PURDUE UNIVERSITY | Office of Undergraduate Research

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Spring 2025 *Undergraduate Research Conference: List of Mentors and non-Student Acknowledgments*

Name spellings appear as submitted in OUR*Connect*. Names may be edited (for future reporting) via "my profile" in OUR*Connect*.

Students' Role Notations: †Presenting Author, ‡Contributing Author, *Acknowledgment

Name	Presentation	Students	Title
Abeyaratna, Akila	1131	Rineet Ranga†	Investigating the Effects of Chemogenetic Manipulation of the Lateral Habenula (LHb) on Social Behavior in Scn2a-Deficient Mice
Adams, Nicole	1007	Nathan James Arnold† Parth Kailash Dubal† Victor Ionut Ene‡ Natasha Rajendrara Gundapaneni‡ Shelby Grace Britton‡ Ty Dean Frederick‡ Harshavi P Birla‡ Bhaskar S Patke‡ Hailey Danae Manuel‡ Nikolai Lyubomir Tesla Auclair‡ Yash Agnihotri‡	Emergency Response Drone for Narcan Delivery
Adams, Shauna Nicole	1480	Philip Hwanseo Lee† Sophia Moon‡ Vishwajit Laxmanrao Patil‡ Jeevika Rajesh Purkar‡	Purdue Ivy Tech Chips Program Analysis Project
Adams, Shauna Nicole	1499	Sophia Moon† Jeevika Rajesh Purkar‡ Philip Hwanseo Lee‡ Vishwajit Laxmanrao Patil‡	Purdue Ivy Tech Chips Program Research Project
Adams, Shauna Nicole	1524	Jeevika Rajesh Purkar† Philip Hwanseo Lee‡ Sophia Moon‡ Vishwajit Laxmanrao Patil‡	Purdue Ivy Tech Chips (PITCH) Program Analysis Abstract
Adams, Shauna Nicole	1713	Vishwajit Laxmanrao Patil† Sophia Moon‡ Jeevika Rajesh Purkar‡ Philip Hwanseo Lee‡	PITCH Program Analysis
Ademoye, Taiwo Ademola	1317	Hannah Irma Reyes Charles† Natalie Grace Horgan* Anabela Djurovic-topalovic*	Exploring the Disaggregation of Serum Amyloid A1 Fibrils Isolated from Animals
Ademoye, Taiwo Ademola	1661	Natalie Grace Horgan† Anabela Djurovic-topalovic‡	The Aggregation Tendencies of the Signal Peptide Regions of Prone and Not Prone to Aggregate Proteins
Adeoye Olenloa, Temitope Folasade	1036	Amanda Rose Colip† Colin Thomas O'Donnell† Triniti M Jenkins†	Self-Handicapping in Purdue Undergraduate Honors Students
Adeoye Olenloa, Temitope Folasade	1473	Zainub Aamir Kokan† Amanda Reese Catey* Lydia Sue Gonzalez* Hannah Krouse*	What Needs Do Parents and Youth Have That Can Be Fulfilled With an Afterschool Program?
Adeoye Olenloa, Temitope Folasade	7095	Amanda Reese Catey† Zainub Aamir Kokan* Lydia Sue Gonzalez* Hannah Krouse*	Supporting Youth Learning and Development in an Afterschool Program

Name	Presentation	Students	Title
Adhikari, Ilina	7088	Manya Devang Kadiwala† Shruti Subramaniyan† Adriana K Sanchez‡ Brasen Paul Garcia‡ Nitya Manish Jhaveri‡ Vijay Muthukumar‡ Mia Constance Schecter‡ John Michael Peters‡ Micah David Ambrose‡ Ryan Arthur Sidney Grenier‡ Emirhan Gunes‡ Mark T Crooks‡ Nathanael Robert Herman‡ Arabella Leia Crivello‡ Elizabeth Xian-Hui Kung‡ Sonali Garg‡ Cole Anthony Massie‡ Ryan Charles Deangelis* Emma M Horn* Swastik Patel* Luke Powell Williams* Simone Xin Moulton* devyani tyagi* Spruha Jigar Vashi*	ASTRO-USA: Analog Simulation Training and Research Outpost Utilizing Self-Sustaining Architecture
Aggarwal, Vaneet	1806	George John Ziavras†	Simulating Quantum Machine Learning: Anomaly Detection using Conditional Quantum Denoising Diffusion Probabilistic Models
Agrawal, Rakesh	1135	Yutika Vasudeo Sawant†	Electrical Characterization of Defects in CuIn1-xGaxSe2 (CIGSe) Solar Cells
Agrawal, Rakesh	1476	Julia Ku†	Direct Conversion of Sulfide to Selenide Phase of Cu(In,Ga)(S,Se)2 (CIGSSe) via Se Vaporization
Agrawal, Rakesh	1655	Kamran Hajibayli†	Direct Ligand Exchange of Thin-Film Photovoltaics of CuInS2 Using Molecular Precursors
Aguilar, Ruben C	1566	Samuel Alan Wieczorek† Anna Maria Seebold*	Trafficking and signaling abnormalities of the EGFRvIII patient variant
Ahmadi Gharehtoragh, Mohammad	1104	Brenna Kari Losch†	A Machine Learning Approach to Estimating Evolving Flood Hazards
Ahmed, Azza H	1345	Tricia Isabel Sy†	The Relationship Between Social Support and Perceived Stress Among Breastfeeding Mothers in the United States: A Cross-Sectional Study
Aime, Mary	1106	Robert james Lyon†	The Effects of Various Materials on the Reclamation and Germination of Fungal Spores.
Aime, Mary	1215	Brieana Elise Branton†	The Isolation of a Novel Cystobasidium sp. Using a Differential Density Centrifugation Method
Aime, Mary	1216	Josephine Capwell Brigham†	Isolating Bryophyte-Associated Fungi and Assessing Their Pathogenic Potential
Aime, Mary	1285	Lindsey Nicole Lorenz†	Exploring Natural Enemies of Coffee Leaf Rust
Aime, Mary	1299	Caitlyn G Mount† Morgan Marie Klein† Sidney Miriam Bunch‡ Bryan Reyes‡	African rust fungi (Basidiomycota, Pucciniales) in the Purdue University Arthur Fungarium include an unrecognized resource for the study of Ugandan plant pathology.
Ajay, Rohan	1260	Parth Kapila†	Optimizing Enrollment Processes: Leveraging Automation for Operational Efficiency and Multilingual Support
Akash, Anwarul Islam	1803	Junwoo Jang†	Femtosecond laser annealing of HfZrO2 (HZO) thin films: Effects on Crystallization, Ferroelectricity and Optical Properties.

Name	Presentation	Students	Title
Akturk, Ilke	1431	Attila Tamas Csathy† Fiona Jene Wehrle* Murat Ekin Agca*	Process Intensification for Synthesis and Purification of Oncology Drugs
Al Hawwash, Awadh Mubarak M	9031	Ayden Matthew Rosencranz† Charlita Sinmak† Antonio C De Oliveira Segura†	Enhancing the Stability of Conductive Bioelectrodes Using Advanced Nanomaterials
Alam, Afaque	7017	Mo Chen†	Investigating Combustion Instabilities in Turbulent Jet Ignition for Internal Combustion Engines
Alam, Muhammad A	1239	Luke Joseph Fortner†	SCALE HI-AP: Evaluation of Radiation Dosage and Microelectronic Reliability in the Cislunar Domain
Alam, Muhammad A	1573	Kira Xinran Zhong†	Solar Energy Map of Mars: Modeling PV Energy Yields on Mars
Alam, Muhammad A	1658	John Lincoln Finn Hewson†	Projecting Plant Growth
Alban Dominguez, Juan Sebastian	1135	Yutika Vasudeo Sawant†	Electrical Characterization of Defects in CuIn1-xGaxSe2 (CIGSe) Solar Cells
Alban Dominguez, Juan Sebastian	1476	Julia Ku†	Direct Conversion of Sulfide to Selenide Phase of Cu(In,Ga)(S,Se)2 (CIGSSe) via Se Vaporization
Alban Dominguez, Juan Sebastian	1655	Kamran Hajibayli†	Direct Ligand Exchange of Thin-Film Photovoltaics of CuInS2 Using Molecular Precursors
Alge, Bradley J	1238	Kate Elena Fitzsimmons†	The Science of Resilience & Related Concepts: A Multi-Level Approach
Aljwirah, Abdulrahman Khalid	1015	Sandra Edilia Bern†	Wettability and Condensation Dynamics on Ultrawhite Radiative Cooling Paints
Allen, Natalie Marion	1150	Ethan Scott Streckfuss†	Genetic Insights into the Conservation of the Western Chicken Turtle
Allen-Petersen, Brittany Lee	1034	Ella Rose Deanne Chianis†	AREG signaling decreases sensitivity to therapeutic PP2A activation in pancreatic cancer
Allen-Petersen, Brittany Lee	1263	Emma Frances Kay† Ella Rose Deanne Chianis‡	Comparing the Role of PP2A-B56a and PP2A-B55a Activation in EGFR Signaling in PDAC
Allert, Beate I	7220	Grace C Thomas†	Bridges and Machines in German Media
Allert, Beate I	8009	Kerri Jayne Easton†	From Nationalism to Moral Responsibility: The Redefinition of German Patriotism in Postwar Literature and Film
Alqahtani, Shaherah Yahi	1224	Jonah Chang†	The Role of Transcription Factor Meis2 on Horizontal Cell Survival and Migration
Altman, Ryan Alan	1675	Adrian Charlie Knoll† victoria burke‡ Alexys Parker Davis‡ Khushi Duggal‡	The Efficacy of a Racemic Delta Opioid Agonist on Binge-Like Drinking in High Alcohol Preferring Mice
Alvarez Gonzales, Miguel Angel	1678	Skyler Anna Kreunen†	Developing a Cost-Efficient Method to Quantify DNA using SYBR Gold
Alvarez Ruiz, Rodrigo	1702	Brandon George Miller†	Fate of unregulated organic compounds at a 40-year dedicated municipal biosolids land disposal site
Ambike, Satyajit S	1103	Justin Edward Logar† Ashley Elaine Fissel†	The Relationship Between Task-Irrelevant Variability and Sensorimotor Adaptation in Speech
Ambike, Satyajit S	1722	Sridevi Ramkumar†	Minimal Motion Metrics: Discriminating Gait Types with Acceleration-Based Analysis for Real-World Monitoring
Ambrose, Rose Prabin Kingsly	1121	Tovia Grace Owens†	Mechanosynthesis of Urea-Gypsum Cocrystals: a Plant Study
Amer, Sara Mohamed	1163	Haven Nicole Wilson†	Structural characterization of sn-isomers of acidic phospholipids using mass spectrometry
Anand, Pranjal	7019	Aditya Kumar†	Snake Tongue Flicking Project
Ananda, Kanduluru	1646	John Oliver Richard Gase†	Targeted recruitment of immune effector cells for the treatment of the influenza virus

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Anandan, Sudharshan	1547	Sohum Singh Sodhi†	Acoustic Bioaerosol Removal in HVAC Systems
Anasori, Babak	1262	Prerona Kaushik†	Effect of temperature on the Ti3AlC2 MAX etching and synthesis of two-dimensional Ti3C2Tx MXene
Anasori, Babak	1326	Christian Paul Hardy Scott†	A systematic study on the effect of different carbon precursors for the synthesis of MAX and two-dimensional MXenes
Anasori, Babak	1522	Janvi Ishana Prasad†	Understanding colloidal stability of two-dimensional Ti3C2Tx MXene using UV-Vis-NIR Spectroscopy
Anasori, Babak	7115	Charlita Sinmak† Ayden Matthew Rosencranz‡ Antonio C De Oliveira Segura‡	The effect of the addition of MXene (Ti3C2Tx) on the long term stability of poly(3,4-ethylenedioxythiophene): poly(styrene sulfonate) (PEDOT:PSS) bioelectronic interfaces
Anasori, Babak	9031	Ayden Matthew Rosencranz† Charlita Sinmak† Antonio C De Oliveira Segura†	Enhancing the Stability of Conductive Bioelectrodes Using Advanced Nanomaterials
Anderson, Nicole L	1538	Sydnie Alexandria Scozzaro†	A Methodology for Detecting Helicobacter Hepaticus in an Inflammatory Bowel Disease Mouse Model Through Feces
Anderson, Theresa M	1087	Ellie Grace Ketcham† Yuchen Zhang‡	The impact of colostrum versus milk replacer feeding on the morphological development and proliferation of cells in the small intestine of neonatal piglets
Anderson, Theresa M	1494	Caeden Patrick Meade† Courtney Elizabeth Phillips‡	The Impact of Colostrum versus Milk Replacer Feeding on Circulating Metabolites in Male and Female Neonatal Piglets
Anderson, Theresa M	7032	Addison Mae Hill† Lily Grace Blythe‡	Effects of Colostrum or Milk Replacer Feeding on Sertoli Cell Proliferation and Seminiferous Tubule Area of Neonatal Male Piglets
Andrews, Grady	1758	Christian R Tomao† Gabrielle Elizabeth Layman*	Leveraging Game Mechanics for STEM Education: Enhancing Engineering Skills Through the Pac-Man Robotics Challenge
Andrews, Grady	7221	Christian R Tomao† Gabrielle Elizabeth Layman*	Leveraging Game Mechanics for STEM Education: Enhancing Engineering Skills Through the Pac-Man Robotics Challenge
Andrews, Justin Lee	1809	William Charles Clifford†	Designing framework materials with open-shell configurations
Annadka, Shrinidhi	1006	Isabella Vollmer Arauz†	AC2 Inhibitor Synthesis for Assessment of Physiological Roles in Blood-Brain Barrier Disorders
Annadka, Shrinidhi	1277	Zane Anthony Lark†	Evaluation of Inhibition Concentration, Solubility, and Metabolic Stability Data for Covalent Antimalarial Analogs
Appenzeller, Joerg	1208	Dilay Aygun† Ryan Prado Bailey† Charlita Sinmak† Matyas Kubon† Laksh Nagpal† Ashwin Amit Parab†	Metal-Insulator-Metal Capacitor Manufacturing and Design
Applegate, Bruce M	1420	Yamna Belen Chacon Perello† Aidan Thomas Dibble† Alexis Mae Carroll† Ann Marie Uhlmansiek† Emily Joy Reeves† Gretchen K Minich† Race Ethan Medema† Timothy Michael Raplee†	Synthetic Biology Laboratory: Construction of a Methylsalycylate Biosensor
Applegate, Bruce M	1620	Katherine Grace Camden†	Using PhiV10 NanoLuc to Detect E. coli O157:H7 in Pediatric Fecal Samples

Name	Presentation	Students	Title
Ardekani, Arezoo	7009	Annika Mallari Munjal† Emma Elizabeth Wagner† Morgan Stephens† Dipali Rebecca Abraham† Ishaan Pratap Singh† Mira Nimesh Patel† Alexander Carnevale†	Modeling Drug Transport in the Umbilical Cord: Fetal Membrane
Ardekani, Arezoo	7102	Dipali Rebecca Abraham† Mira Nimesh Patel† Alexander Carnevale†	Modeling Drug Transport in the Umbilical Cord: A Fluidic Approach to Pregnancy Pharmacokinetics
Arrieta Diaz, Andres	1512	Mariana Peres Duarte†	Temporal Coding in Viscoelastic Multistable Bits
Aryal, Uma K	1045	Aryaman Dewan† Malyka Ram† Priyanshu Datta Roy† Rishabh Kottakota*	Lipidomic Analysis of Crocosphaera subtropica ATCC 51142 Under Diurnal Light-Dark Cycle and Nitrogen Conditions
Aryal, Uma K	1677	Rishabh Kottakota† Malyka Ram‡ Priyanshu Datta Roy‡	Glycoprotein Analysis of Aged Mice Brain Proteome
Aryal, Uma K	1721	Malyka Ram†	Regulation of Nitrogenase in Metallo-Protease Inhibited Cultures of Cyanobacterium Crocosphaera subtropica ATCC 51142
Ault, Aaron C	1421	Kevin Ming Chang† Aditya Krishnan Sivathanu† Leyton Drew Bostre† Samyukta Balaji† Michael Robert Knaack† Jiali Shi† Joshua Yu-Yaw Ho† Ellis Reuben Selznick† Paolo Gabriel Gumasing‡ Jaehyuk Lee‡ Jiaqing Li‡	TimeScale Creator Online: Web Tool for Visualization of Earth
Babakhani Galangashi, Reza	1440	Mikyla Farnell† Kelly Hsieh Lin† Somya Gupta†	Automated Skin Layer Segmentation in Histology Images: A Comparative Analysis of Deep Learning Methods
Babakhani Galangashi, Reza	7068	Jiwon Seo† Sai Aiswarya Sadagopan† Samskrithi Sivakumar† Jinhwan Kwon† Anika Mathur†	Deep Learning for Enhanced Subvisible Particle Analysis in Auto-Injector Devices
Babu, Paul	1624	Christopher Felipe Chavarria† Samuel Andrew Spears‡	The Effects of Oil Contamination on Baby Products
Babusis, Nicholas Vytautas	1302	Rowan Hewitt Murphy† Robert Maxwell Neitzke† Fabian Noyola‡ Niousha Pajouyan‡ Aaron Roth‡ Christopher Robert Stemporzewski‡ Madeline G Taylor‡ Bailey Marie Jones‡ Lucas ChangWon Shannon‡ Ethan Julian Ramon‡	An Analysis of a Hall Effect Thruster through the Undergraduate Lens
Bachman, Brent Benjamin	1076	Natalie Chyrystine Hoffman† Linnaea Eileen Krupke*	The impact of different types of high-fat diet on energy consumption, weight gain, and hypothalamic inflammation in male and female rats
Bachman, Brent Benjamin	1271	Linnaea Eileen Krupke†	Biological and Behavioral Effects of PCOS on Cognition
Baghirov, Javad	1306	Joon Hong Park† Pranav Punuru‡	KiharaLab EMSuite Server: Advanced Tools for Cryo-EM Structure Modeling and Validation

Name	Presentation	Students	Title
Bahr, David	1077	Gwendolyn E Hofman†	High throughput testing for ductility and hydrogen embrittlement
Bahr, David F	1158	Nivrithi S Varghese†	Finite Element Analysis in Indentation at Different Constraints
Bai, Rui	1409	Amareah Elena Bead†	Sustainability Challenges of Recycled Concrete Aggregate: The Hidden Role of Target Strength in Environmental Impact
Bai, Rui	1533	Akshay Makarand Risbud†	A Comparative Analysis of Pure and Recycled Carbon Black on the Mechanical, Thermal, and Microstructural Properties of Mortars
Bai, Rui	7215	Akshay Makarand Risbud†	A Comparative Analysis of Pure and Recycled Carbon Black on the Mechanical, Thermal, and Microstructural Properties of Mortars
Balachandran Sajitha, Nithin Chandran	1262	Prerona Kaushik†	Effect of temperature on the Ti3AlC2 MAX etching and synthesis of two-dimensional Ti3C2Tx MXene
Balachandran Sajitha, Nithin Chandran	1326	Christian Paul Hardy Scott†	A systematic study on the effect of different carbon precursors for the synthesis of MAX and two-dimensional MXenes
Balian, Lara Nicole	1116	Shivani Naayak† Arshia Bhuvana Rama‡ Lauren M Hopkins‡ Gavin Sung-Hei Chiu‡	Understanding Experiences and Beliefs Surrounding Cervical Cancer Among Women Experiencing Homelessness
Baloni, Priyanka	1134	Shanlin Ruan†	Identifying sex-dependent metabolic signatures in IBD
Banko, Andrew	1369	Shelby Allen† Thomas Vellenga†	Sustainable Concrete Utilizing Supplementary Cementitious Materials
Banko, Andrew	1371	Ethan Collins†	CGM Data: Distilling and Interpreting Glycemic Trajectories
Bansal, Shubhra	1221	Caroline Marie Cameron†	SCALE HI-AP: Electromigration Failures in Cu-micro bumps with Sn-Ag solder caps
Bansal, Shubhra	1256	Parker Joseph Jeffrey†	SCALE HI-AP: Thermo-mechanical Reliability of Metal Embedded Chip Assembly (MECA) Package
Bansal, Shubhra	1751	Mark Joseph Tereck†	Degradation Kinetics of Thermal Interface Materials in Immersion Cooling Systems
Bansal, Shubhra	1769	Kyle J Wiegand†	SCALE HI-AP: Thermo-Mechanical Reliability of Bismuth Based Solders for High Temperature Packaging
Bansal, Swapnil	1060	Manuel Ashraf Melad Gad† Kerollos Ehab Matta Yanny†	Design and Implementation of a 2.4 GHz Local Oscillator for Energy-Efficient Wi-Fi RF Receivers in Low-Power Applications
Bansal, Swapnil	1452	Youssef Nagah Haider† Abdelrahman Osama Khalid†	Design and Optimization of a Fully Differential Gilbert Cell Mixer for 2.4 GHz Direct Conversion Wi-Fi RF Receivers
Bansal, Swapnil	1560	Minghan Wang† Asavari Deshmukh† Yash Singh†	Physical Design Verification for a System on Chip
Barbarash, David Michael	1340	Justin Song† Sabrina Louise Gray† Reed Ellis Baker† Akash Amalarasan‡	How NPCs Navigate Crowded Spaces in Different Weather Conditions
Barbarash, David Michael	1659	Rachel Wingyan Ho† Mihika Sharma† Niril Jestus† Chun-Yu She† Chengxuan Li†	How AI-Driven NPCs Simulate Human-like Social Interactions in Crowded Environments
Barnum, Miriam Marina	7049	Abigail Elizabeth Preston†	Balancing Science and Society: A Solution for Long-term Nuclear Waste Management, Finland's Onkalo Deep Geological Repository

Name	Presentation	Students	Title
Barocio Vaca, Eduardo	1047	Rishipreet Singh Dhir† Rohan Jeyasothy† Sruthi Anil‡	Optimization and Testing of Process Parameters for Void Reduction in Additive Manufacturing
Barocio Vaca, Eduardo	1129	Varunavi Kaveri Raghuraman† Sucheol Woo‡ Andrew R Sheedy*	Machining Process Monitoring of Additively Manufactured Fiber-Reinforced Composites
Barocio Vaca, Eduardo	1133	Lucas Emanuel Rodrigues† Meghana Kumar‡	Thermal Fatigue of Adhesive Bonding in Modular Additively Manufactured Fiber-Reinforced Composite Tooling
Barocio Vaca, Eduardo	1274	Meghana Kumar† Lucas Emanuel Rodrigues†	Thermal Fatigue of Adhesive Bonding in Modular Additively Manufactured Fiber-Reinforced Composite Tooling
Barocio Vaca, Eduardo	1520	Alexander Popescu†	Real-Time Controllable Adaptive Numerically Controlled Machine Platform
Barocio Vaca, Eduardo	1537	Thomas Edgardo Schmitz†	Additive Manufacturing with Hybrid Continuous and Discontinuous Fiber Systems
Barocio Vaca, Eduardo	1542	Andrew R Sheedy† Sucheol Woo‡ Varunavi Kaveri Raghuraman*	Optimizing Machining Parameters for Additively Manufactured Fiber-Reinforced thermoplastic Composites
Barta, Riley Bradley	1142	Nishtha Singh† Tanvir Kaur*	Modelling Thermophysical Properties and IMFs of Refrigerant Mixtures
Bartlett, Edward L	1112	Jax Patrick Marrone†	Characterization of Envelope Following Responses to Complex Stimuli
Bartlett, Edward L	1735	Anushka Shome†	A Computational Model of the Inferior Colliculus
Batista Trentin, Alex	1004	Kaitlyn Marie Annunziata†	Examining Bias in DNA Extraction of Surface Attached Soil Bacterial Communities
Baumgartner, Beth Elly	1148	Katelyn Elizabeth Stetter†	The Cytotron: A Revolutionary Approach to Non-Invasive Cellular Therapy
Baumgartner, Beth Elly	1477	Emily Marie Kuras†	The Effects of Exercise on Mental Health
Bauserman, Stewart F	1234	Jana Mohamed Ga Elsayed† Leen Alshaikh†	Weather Station
Bauserman, Stewart F	1314	Brian Ross Ramos† Brandon Maxwell Yee†	Raspberry Pi Robotic Arm Image Recognition
Bauserman, Stewart F	1481	Aelish Marie Ligon†	Small Scale Manufacturing of Clay on Mars
Bauserman, Stewart F	1493	Samuel Joshua McBroom† Jonathan S Carr†	Secure Remote Control Raspberry Pi with SSH and XMRig
Bauserman, Stewart F	1635	Ethan C Espinoza†	Polyformer
Bauserman, Stewart F	1636	Benedict Santino Espinoza†	Classical Calculus-based Mechanical Physics with a Raspberry Pi
Bauserman, Stewart F	7047	Jonathan S Carr† Samuel Joshua McBroom†	Crypto-Mining Integrated Software
Bauserman, Stewart F	9043	Helen Yi† Manuela Cardona Meneses†	Creating a Light Sensor Using a Raspberry Pi
Bautista, Kevin Alessandro	1012	Twinkal Barai† Aidan Hirsch† Ian Kwan Yin Lam† Kelly Hsieh Lin† Hamsikasree Vedavinayagam† Parth Kapila† Shreya Krishnan‡ Cailyn Elizabeth Bowerman* Elena Anne Lehner*	Gamification of Pediatric Rehabilitation Exercise for Brachial Plexus Injuries
Beasley, Melanie M.	1226	Ava Grace Chapman† Caroline Margaret Sozio†	Stable isotope analysis of archaeological bone for diet reconstruction: A guide to bone preparation
Beasley, Melanie M.	1428	Ellie Lane Coppola† Mackenzie Grace Roche*	Neanderthal d15N Values are Not Exceptionally High for Hominins: A Holocene Comparison
Beasley, Melanie M.	1732	Trinity Eve Sevick† Yadira Dominguez†	Pushing the Boundaries of Biological Tissues used for Paleodiet Reconstruction: Maggot Preparation for Stable Isotope Analysis

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Beckett, Linda Marie	1087	Ellie Grace Ketcham† Yuchen Zhang‡	The impact of colostrum versus milk replacer feeding on the morphological development and proliferation of cells in the small intestine of neonatal piglets
Beckett, Linda Marie	1494	Caeden Patrick Meade† Courtney Elizabeth Phillips‡	The Impact of Colostrum versus Milk Replacer Feeding on Circulating Metabolites in Male and Female Neonatal Piglets
Beckett, Linda Marie	7032	Addison Mae Hill† Lily Grace Blythe‡	Effects of Colostrum or Milk Replacer Feeding on Sertoli Cell Proliferation and Seminiferous Tubule Area of Neonatal Male Piglets
Beechem, Thomas Edwin	1155	Bradon Rowan Timms†	SCALE HI-AP: Spatially Identifying Defects in 2D-Logic Transistors via Photocurrent Imaging
Bejarano Posada, Andres Mauricio M	7218	Anvit Sinha† Vivan Tiwari†	BoilerSketch
Bekele, Bereket Tassew	1324	Aakash Sanjay†	Post-Synthetic Phosphorus Modification for Enhanced Hydrothermal Stability of Acid MFI Zeolites
Bellisario, Kristen Marie	1014	Thomas Allen Belcher† Zhixin Cai* Ryan M Feller* Hiya Samanta*	Sounds of sustainability: Can unsupervised clustering recognize regenerative agriculture using insect acoustic data?
Bellisario, Kristen Marie	1056	Ryan M Feller†	How can a Python-based application with a user-friendly interface and remote computation capabilities enhance the efficiency, accessibility, and scalability of calculating acoustic indices for ecologi
Bellisario, Kristen Marie	1707	Anaey Gaurang Naik†	How university students perceive and use data storage and repository tools, with a particular focus on Airtable's ease of use and ability to handle complex workflows in collaborative settings.
Bellisario, Kristen Marie	7011	Sierra Hunnicutt† Alexandra Grace Early* Lukas Benjamin Kraft* Anaey Gaurang Naik* Zhixin Cai*	A qualitative analysis of cyclical patterns in bobcat movement in relation to seasonal flooding and species life history
Bellisario, Kristen Marie	7026	Antonia Christina Alexiou† Katie Luo Hong* Abigail Rose Malott* Vaishnnavi Purram* Anaey Gaurang Naik*	Ecological impact of deer control hunts on wildlife activity in Indiana
Bellisario, Kristen Marie	7077	Zhixin Cai† Keith Meyers‡ Ryan M Feller* Thomas Allen Belcher* Hiya Samanta*	From BirdNet to BugNet: Leveraging AI to enhance Cicada Detection with comparison to bird calls
Bellisario, Kristen Marie	7078	Lukas Benjamin Kraft† Sierra Hunnicutt* Alexandra Grace Early* Anaey Gaurang Naik* Zhixin Cai*	Mapping Wildlife-Vehicle Collision Hotspots in Indiana: Impacts & Implications on Wildlife Corridor Success
Bellisario, Kristen Marie	7099	Katie Luo Hong† Abigail Rose Malott* Antonia Christina Alexiou* Vaishnnavi Purram* Anaey Gaurang Naik*	Analyzing a gradient of effective corridor widths for mesocarnivores in Indiana
Bellisario, Kristen Marie	9010	Alexandra Grace Early† Sierra Hunnicutt* Lukas Benjamin Kraft* Anaey Gaurang Naik* Zhixin Cai*	Biodiversity Changes Due to Ecosystem Disturbance and its Impacts on Mesocarnivore Presence in Indiana

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Benedicto, Elena	1140	Prasiddhi Shivakumaran†	Exploring Hawaiian Grammar: Structure, Adaptability, and Linguistic Preservation
Benedicto, Elena	1528	Collin Thomas Reagin† Prasiddhi Shivakumaran‡	Utilizing Participatory Action Research to Publish The First Yusku Mayangna Dictionary
Bennett, Junior Anthony	7037	Zhengyi Jiang† Manas Kathuria* Aashvi Miten Majmundar*	Embodied Learning in Statistics: Using Gestures to Enhance Statistical Reasoning of Regression and Correlation
Bennett, Junior Anthony	7120	Aashvi Miten Majmundar† Manas Kathuria* Zhengyi Jiang*	Analyzing Gestures in Statistics Instruction: A Study on Digital Video Learning Environments
Bermel, Peter	1100	Jocelyn E Lee†	Analysis of Neutron-Induced Degradation in Commercial Optical Transceivers
Bermel, Peter	1237	Andrew Owen Fewell†	Effects of Neutrons and Protons on Integrated Circuit Molding Compounds
Bermel, Peter	1573	Kira Xinran Zhong†	Solar Energy Map of Mars: Modeling PV Energy Yields on Mars
Bermel, Peter	1629	Chengyu Chiu† Isabel Alejandra Arias Zambrano† Jenna Marie Marquette† Varun Rajesh† Anusha Gambheera†	VIP Birck AP/HI ALN team
Bermel, Peter	1658	John Lincoln Finn Hewson†	Projecting Plant Growth
Bermel, Peter	1663	Chun-Kang Huang† Pin-chen Su† Aadi Hsien-Lin Wu† Ying-Wei Lin† yoshiki takeuchi†	Techniques for Secure Integration of Commercial Dies into Silicon Substrates for Heterogeneous Integration in Low Earth Orbit Applications
Bermel, Peter	1673	Sean Ross Klein†	A Novel Testing Framework for Radiation Qualification of Commercial Microelectronics
Bermel, Peter	1686	Ho Jun Lee† Romy Kim† Cecilie Reingaard Wiuff† CHO-YI HSIEH† Jou-Ting Lai† Aditi Magesh† Stuti Rastogi†	2.5D Advanced Packaging: Fabrication of Silica Glass Interposers for Chiplet Integration
Bermel, Peter	1756	Benjamin Anderson Tofil† Alexandre Chan Tome† Rakhmatillokhon Avazkhon u Abdubaev†	VIP Semiconductors@Birck Statistical Process Control for Solar Cell
Bernal, Ximena	1033	Yu-Wei Cheng†	Heat Across Generations: Thermal Transgenerational Plasticity in a frog-biting mosquito
Bernal, Ximena	1071	Nina Rose Hall†	The Sound of Blood Meal: Exploring the Acoustic Preferences of a Frog-Biting Mosquito
Bernal, Ximena	1444	Rachel Fortman†	Wings in Motion: Geometric Patterns of Swarming and Non-swarming Mosquitoes
Bernal, Ximena	1455	Jonathan Christopher Henry† Krisha Shah‡	Antennal Complexity in Mosquitoes: Association between Structure and Multimodal Sensory Functions
Bernal, Ximena	1466	Grace Lynn Jurkovic†	Eye to Eye: Scaling Patterns and Ecological Functions in Mosquito Vision
Bernal, Ximena	1606	Diego Bailen Boluda† Antonio Alejandro Pinto*	Morphological changes associated with living in urban environments in invasive cane toads
Bernal, Ximena	7021	Anna Judy Lozen†	Sensory Synergy: How a Frog-Biting Mosquito Uses Multimodal Cues for Host-Seeking

Name	Presentation	Students	Title
Berry, Frederick C	1742	Dean Snyder† Arnav Daryani† Marisa Jean Fredrickson† Natalia Cadence Hombs† Aryan Kaul† Hridhay Monangi† Abhik Mullick† Pratham Jigneshbha Patel† Sophia Elizabeth Steele† Aaron Parihar‡ Mark Alexander Myers‡ Daitian Zhao‡ Kyle Patrick Fox‡ Wharton Yeh‡ James Geovanny Viana Fernandes‡ Sagi Ashkenov‡ Riley Wallace Frank‡ Michael S Tarquinto‡	Machine Learning in Motion
Bhandari, Santosh	1504	Joshua David Oberholtzer† Sydney Metz† Sri Krishna Teja Mannava† Thea Lee Bielejec†	Deep Neural Network approach for distinguishing the Higgs signal from background noise
Bhattarai, Sajal	1161	Lea Camille Vojslavek† Han Ye† Nicole Elizabeth Krishna* Jasmine Rae Harper* Victoria Bethany Hale*	Extraction of Alkali-Soluble Arabinoxylan
Bhavankar, Sanath	7052	Hamond Rahardjo†	Anchor Testing in Reinforced Concrete Structures
Bhuiyan, Faharia Hasan	1256	Parker Joseph Jeffrey†	SCALE HI-AP: Thermo-mechanical Reliability of Metal Embedded Chip Assembly (MECA) Package
Bhuiyan, Faharia Hasan	1769	Kyle J Wiegand†	SCALE HI-AP: Thermo-Mechanical Reliability of Bismuth Based Solders for High Temperature Packaging
Bhunia, Arun K	1024	Alvin Cai† Luke Wilson Heymann†	A Next-Generation Probiotic Strain Promotes Epithelial Wound Healing (Repair) after Physical Damage In Vitro
Biasetti, Olivia Ann	1059	Jonathan Lester Flinn†	Sublethal Impacts of Bio-Ex ECOPOL A 3%, a Fluorine-Free Foam Alternative, on American Bullfrog Larvae (Lithobates catesbeianus) activity.
Birkenmeyer, Jacey Rebecca	7038	Quintin David Dumouchelle†	Acoustic Levitation for Additive Manufacturing
Biruete, Annabel	9035	Kara Olivia Shields†	A survey of inpatient nutrition care for people with chronic kidney disease
Blendell, John E	1280	Colton Pierce Lennen†	Reliability for High-Temperature Solders Alloys with Microalloying

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Block, Emma	7088	Manya Devang Kadiwala† Shruti Subramaniyan† Adriana K Sanchez‡ Brasen Paul Garcia‡ Nitya Manish Jhaveri‡ Vijay Muthukumar‡ Mia Constance Schecter‡ John Michael Peters‡ Micah David Ambrose‡ Ryan Arthur Sidney Grenier‡ Emirhan Gunes‡ Mark T Crooks‡ Nathanael Robert Herman‡ Arabella Leia Crivello‡ Elizabeth Xian-Hui Kung‡ Sonali Garg‡ Cole Anthony Massie‡ Ryan Charles Deangelis* Emma M Horn* Swastik Patel* Luke Powell Williams* Simone Xin Moulton* devyani tyagi* Spruha Jigar Vashi*	ASTRO-USA: Analog Simulation Training and Research Outpost Utilizing Self-Sustaining Architecture
Boerman, Jacquelyn P	1647	Brianna Lynn Gast†	Feeding behavior and dry matter intake associated with feeding two concentrations of an Asparagopsis armata containing product in dairy cows
Booker, Harrison	9037	Eddie So†	Origami-Inspired climber for multidirectional Robotic Locomotion
Borde, Shambhavi Sanjay	7108	Luke Nathaniel Abram†	Genetic Engineering of SLC1A5 for Improved NK Cell Metabolism Against Brain Tumors
Borkowski, Michael Humes	1336	Milica Slavkovic†	Synthesis, structural and protein binding analysis of differently substituted Ru(II)-hydrazine complexes
Borovsky, Arielle	1118	Emma Niecikowski†	The Impact of Early Caregiver Linguistic Input on Children's Later Speech Sound Development
Borovsky, Arielle	7060	Victoria Tuell†	The Impact of Children's Sensory Perception Abilities on Early Lexical Development
Bosman, Lisa B	1282	Emily Ran Li†	Analyzing Research Experience for Undergraduates
Bosman, Lisa B	1365	Bayan Yunis†	Understanding Student Experiences in REU Programs at a Large Midwestern R1 University University
Bosman, Lisa B	1519	Jeeranun Poopanead†	Cracking the Code: Unveiling REU Experiences Through Data Analysis
Bosman, Lisa B	7025	Rhea Dutta†	Assessing Learning Gains in Energy-Focused Research Experience for Undergraduates (REU) Program
Bosman, Lisa B	7079	Ava Thant Samuel†	An Assessment of Student Participation in the NSF REU Site: Growing Entrepreneurially-Minded Undergraduate Researchers with New Product Development in Applied Energy
Bosman, Lisa B	9033	Aishani Sakalabhaktula†	Exploring Student Perceptions of Virtual Reality in Higher Education: A Comparative Study with Traditional Lecture-Based Learning
Bowman, Aaron B	1300	Joliene Ruth Munson† Navnoor Kaur Mutti*	Developing an SH-SY5Y model to observe mitochondrial respiratory changes for toxicological studies
Bowman, Aaron B	1706	Navnoor Kaur Mutti† Joliene Ruth Munson*	Development of a SH-SY5Y Model to Mimic hiPCS Based Neuronal Differentiation for Toxicological Studies

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Bowman, Aaron B	7128	Yuchen Zhang†	Influence of Manganese Exposure on SHI-Adapted SH-SY5Y Cells: Neurotoxicity and Adaptive Mechanisms
Bozymski, Brian Matthew	1600	Lissette Mariel Aguiar†	Elevated Oxidative Stress in the Anterior Cingulate Cortex of Welders Exposed to Manganese
Bramson, Ali	7205	Siya Chirag Jariwala† Henry J Lee†	Creating a Framework to Integrate LiDAR Data from Caves into Classroom Virtual Reality
Bramson, Ali	7216	Hiya Samanta†	Co-designing Student VR Experiences for Geology Course Fieldtrips
Braun, James	1298	Seyed Kiarash Mossalaei† Gregory OHanian† Lexing Xu† Zaki Akhter Husain† Conner Walter MacDonald†	The Development of a Thermostat Environmental Emulator With humidification and Dehumidification Capabilities.
Breazeal, Cynthia	1325	Ramani Satishkumar†	Human-Centered Policy Frameworks for Autonomous Agent Technologies
Breazeal, Cynthia	1349	Mikaela Sandra Thompson† Lucy Gunther‡	Participatory Design of Autonomous Agents' Role and Personality in the Workplace
Briggs, Scott D	1513	Mateo Perroud†	Role of Histone Modifiers in Pathogenesis and Drug Resistance in C.glabrata
Brito, Luiz Fernando	1244	Alejandra Maria Garavito† Shayna Jayne Morris†	Evaluating the effects of genomic selection for heat stress tolerance on the behavior of in utero heat stressed piglets after weaning and transportation.
Brosseau-Lapre, Francoise	1170	Zoe Zhang† Jillian Grace Robbins† Lauren Mae Hammond†	Adult Intelligibility Ratings of Preschoolers With and Without Speech Sound Disorders
Brosseau-Lapre, Francoise	1247	Emma J Hall† Ella Nicole Birgel†	Speech Variability, Speech Perception, and Vocabulary Skills in Children With and Without Speech Sound Disorders
Brosseau-Lapre, Francoise	1357	Bailey Marie Whitlock† Taya Christine George†	Phonological Memory Profiles of Children with Speech and Language Disorders
Broviak, Griffin	1165	Jonica Lynn Wooton†	Detecting SARS-CoV-2, CPV, and CDV in River Otters Using qPCR
Brown, Josephine Maria	1039	Matthew Thomas Corson† Sofia Schumann*	Rotenone-induced acute miRNA alterations in extracellular vesicles produce Parkinson's Disease relevant mitochondrial dysfunction and neurotoxicity.
Brown, Josephine Maria	1257	Dia Dipen Jhaveri† Sofia Schumann‡ Matthew Thomas Corson‡	Molecular Effects of Chlorpyrifos Exposure in Pon-1 (-/-) and Wildtype Rat Models
Brown, Josephine Maria	1717	Hurshal Pol† Matthew Thomas Corson*	Imaging neurotoxicity: Visualizing PFOS retention and distribution in the rat brain using DESI-MSI
Brown, Josephine Maria	1729	Sofia Schumann† Dia Dipen Jhaveri‡ Matthew Thomas Corson* Hurshal Pol*	Comparative Neurobehavioral and Molecular Effects of Chlorpyrifos Exposure in Pon-1 (-/-) and Wildtype Rat Models
Brown, Lauren Raye	1647	Brianna Lynn Gast†	Feeding behavior and dry matter intake associated with feeding two concentrations of an Asparagopsis armata containing product in dairy cows
Broyles, Bradley Keith	1211	Sarah M Bennett†	A Genomic Analysis of Global House Dust Mite Allergen Diversit
Buganza Tepole, Adrian	9000	Eshaan Agarwal†	Modular Soft Assemblies with Independent Cells
Buzon, Michele	1516	julia Phelan† Gaia Rose Cannoot‡	Understanding sex and gender in past populations using new proteomics techniques

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Cai, Jie	1298	Seyed Kiarash Mossalaei† Gregory OHanian† Lexing Xu† Zaki Akhter Husain† Conner Walter MacDonald†	The Development of a Thermostat Environmental Emulator With humidification and Dehumidification Capabilities.
Cannon, Jason R	1039	Matthew Thomas Corson† Sofia Schumann*	Rotenone-induced acute miRNA alterations in extracellular vesicles produce Parkinson's Disease relevant mitochondrial dysfunction and neurotoxicity.
Cannon, Jason R	1257	Dia Dipen Jhaveri† Sofia Schumann‡ Matthew Thomas Corson‡	Molecular Effects of Chlorpyrifos Exposure in Pon-1 (-/-) and Wildtype Rat Models
Cannon, Jason R	1717	Hurshal Pol† Matthew Thomas Corson*	Imaging neurotoxicity: Visualizing PFOS retention and distribution in the rat brain using DESI-MSI
Cannon, Jason R	1729	Sofia Schumann† Dia Dipen Jhaveri‡ Matthew Thomas Corson* Hurshal Pol*	Comparative Neurobehavioral and Molecular Effects of Chlorpyrifos Exposure in Pon-1 (-/-) and Wildtype Rat Models
Cappelleri, David J	1408	Alexa Katherine Barron†	Autonomous Docking Mechanism and Deployment System for Agricultural Robots
Carlson, Erica	7094	Po-Yu Chen†	Accurate prediction of macroscopic transport during the Mott transition using fractal resistor network and surface imaging
Carpenter, Derek George	1295	Abigail Sarah Mizzi†	Hypersonic Vehicle Design Analysis Using CBAero: System Interactions and Design of Experiments
Carpenter, Robin	1332	Likith Reddy Singam† Jack Harrison Reynolds† Lucas Michael Rulo† Yana Manishkumar Shah† Hermes Heng-yu Fu† Millan Shah Kumar† Tyler Mitchell†	Simulating a Quantum Walk as Hawking Radiation
Carroll, Chad C	1090	Joshua Dongjin Kim†	Impact of a RAGE antagonist on tendon biomechanical properties in a mouse model of type 2 diabetes
Carroll, Chad C	1496	lauren Mitevski† Matthew Addison Fortino‡	Patellar Tendon biomechanical properties and serum markers in adults with Type II Diabetes
Carroll, Chad C	1660	Aidan Thomas Hopwood† lauren Mitevski‡	Patellar tendon biomechanical and morphological properties in young and older adult women
Caudill, Dylan Scott	1518	Shawanwit Poomsa-ad† Vincent Cody Stavig† Abhiansh Parwal† Marygrace Michelle Fagan†	Optical Rebrightening of Supernovae through ZTF Forced Photometry data.
Caudill, Dylan Scott	1614	Lauren M Burch† Sam Brody Waymire† Jacob Nicholas Rytczak† Amit Valluri†	Searching For Precursor Lightcurve Data Using ZTF Forced Photometry
Cavalca, Alexandre Matheus Baesso	1447	Viviana Galindo†	Exploration of IL-27 Gene Therapy in the Treatment of Acute Respiratory Distress Syndrome (ARDS)
Ccorahua santo, Robert Jose	7004	Philip R Liu† Richard John Silvester† Aadi Jangid‡	Adaptive Speech Reconstruction Interface with AI (ASRIA): A Wearable-LLM Framework for Aphasia Rehabilitation
Ccorahua santo, Robert Jose	7106	Kevin Nathan Qu† Pranav Perumal† Padmaja Sachin Khairnar†	AI-Driven Non-Invasive Wireless Blood Pressure Assessment via Triboelectric Sensors
Chagas Boavida, Leonor Maria de Fatima	1645	Alaina Rose Gartner†	Investigating the function of Cellulose Synthase Genes in Double Fertilization

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Chagas Boavida, Leonor Maria de Fatima	7083	Ava Grace Barnes†	Building Barriers: Natural Variation Contributes to Reproductive Isolation in Arabidopsis thaliana
Chakraborty, Suman	1130	Kavina Tirumamagal Rajan† Anjali Patel†	Design, Manufacture, and Test of a Micro Gas Turbine.
Chambers, Colin James	1099	Bradley Reed Lawrence†	I2C Verification Using Universial Verification Methodology
Chan, Deva	1275	Aishwarya Kunigal†	Analyzing and Comparing Tibial and Femoral Bone Loss Patterns Following ACL Rupture
Chan, Deva	1427	Aaron Coppeta†	Investigation of a mechano-bioreactor on chemical and mechanical properties of a three-dimensional articular cartilage model
Chan, Deva	1723	Amrita Rani Raparti†	Expression of Inflammatory Genes in a Model of Post-Traumatic Osteoarthritis
Chan, Deva	7054	Allison Faye Matovic†	Using RNA Sequencing to Evaluate Exercise as an Intervention for Unloading-Induced Joint Degeneration
Chan, Deva	7104	Sarah Marie Staller†	The impact of gut microbiome dysbiosis and subsequent intervention on restoring spinal health in a murine model
Chang, Younggil	7091	Amikosh Dube† Jay Bhavesh Gandhi† Noah Anthony Wisniewski† Dhanush Adhitya Gopalakrishnan‡ Shrikar Hippargi‡ Berra Ulku Kalci‡ Derek John Matthei‡ Siddharth Shridhar Nadgaundi‡ Gautam Kottayil Nambiar‡ Patrick Randall Spillman‡ Jammy Wang‡	SWARMS: Multi-Agent Control Simulation
Chang Alexander, Stewart C	1218	Gael Calderon Sermeno† Michelle Wan† Reese Caroline Pinkley‡ Ana Elena Pasi Rojas*	Using Music Therapy to Uncover Asian/American Teen Archetypes
Chang Alexander, Stewart C	1716	Reese Caroline Pinkley†	The Lived Experiences of Asian/American Adolescents Through Qualitative Research.
Chang Alexander, Stewart C	7110	Michelle Wan†	Music's Impact on Asian/American Adolescents
Chappell, Jacob	1143	Devin Singh† Michael Jeffery Dick† Andrew Michael Lykken† Luca Renato Simoni†	A Chiplet Communication Protocol for Post-Tapeout Heterogeneous Integration
Chappell, Jacob	1698	James Russell Mareachen† Nandan Varma Uppalapati† Andrew Joseph Cali† Duc Pham Minh† Avanish Karlapudi†	SoCET: AXI Project
Chapple, Clint C S	1050	Maren Michele Eaton† Claire Elizabeth Nowak‡ Eleanore Margaret Malinowski‡	Coniferyl alcohol rescues aberrant root development phenotypes of Arabidopsis lignin mutants
Chapple, Clint C S	1145	Shelby Sliger†	Characterization of the contribution of the Mediator complex subunit MED23 to H3K27me3 homeostasis in Arabidopsis thaliana
Charlesworth, Jon G	1563	Andrew Yang Waskin†	Otterbein Ecological Residential Improvement Plan
Chatzidakis, Stylianos	1100	Jocelyn E Lee†	Analysis of Neutron-Induced Degradation in Commercial Optical Transceivers
Chavas, Daniel R	1818	Marco Alejandro Monrouzeau Vazquez†	Climatology of Tropical Tornadoes Over Puerto Rico

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Chen, Boyuan	1418	Enrique Camacho† Haruna Kawai† Chase John Grimm† Yilin Xu‡	Designing Standard Cell Library using Open-Source Software
Chen, Boyuan	1748	Ethan Xinghan Tan†	SCALE HIAP Heterogeneous Integration of 5G Receivers Using SAWLIT Chiplet Technology: Antenna Design and Impedance Matching on Glass Substrates
Chen, Ching-Chien	1003	Junyeong Ahn† Rachel Alexis Koeiman‡	Analysis of Longevity of Vegetable Oil as Metallurgical Quenchants Under Accelerated Aging
Chen, Haoyu	1622	Shaan Jitesh Chanchani† Claire Seol Kim† Joshua C Mansky† Zian Pan† Medhashree Parhy† Parth Thakre†	Improving Pose Estimation for Antelopes
Chen, Joseph Jia Rong	9000	Eshaan Agarwal†	Modular Soft Assemblies with Independent Cells
Chen, Weijing Sebastian	1267	Seokjae Kim† Vivek Matta†	Design and Development of a Daughter Board for Caravel eFabless Chiplet Integration
Chen, Yikang	1803	Junwoo Jang†	Femtosecond laser annealing of HfZrO2 (HZO) thin films: Effects on Crystallization, Ferroelectricity and Optical Properties.
Chen, Ying Cheng	1714	Amanda Pawlecki† Aryaman Dewan*	PASylation as a promising protein modification to prolong Interleukin 27 (IL-27) half-life
Chen, Yingjie	1700	Kareena Karimpil Mathews†	Analyzing, synthesizing and comparing leaves using LLM
Chen, Yuheng	1535	Vishruth Satuloori†	Annealing Solutions for Large-Scale Nanophotonic Design Spaces.
Chen, Zhihong	1208	Dilay Aygun† Ryan Prado Bailey† Charlita Sinmak† Matyas Kubon† Laksh Nagpal† Ashwin Amit Parab†	Metal-Insulator-Metal Capacitor Manufacturing and Design
Chen, Zhihong	1278	Gangsan Lee† Jozue Kim† Brian Martin Dodd† Ella Gores† Haneul (Sky) Kim† Sang Soo Ha†	Metal-Insulator-Metal Capacitor SPC - MIM3
Chen, Zhixiang	1815	Ramyasri S Vemavarapu† Dana Camila Moreno Burgos‡	Investigating the role of calcium-dependent protein kinases (CDPKs) in Arabidopsis thaliana Immunity Through Higher-Order Mutant Analysis
Cheng, Lizhi	1050	Maren Michele Eaton† Claire Elizabeth Nowak‡ Eleanore Margaret Malinowski‡	Coniferyl alcohol rescues aberrant root development phenotypes of Arabidopsis lignin mutants
Chester, Julia	1675	Adrian Charlie Knoll† victoria burke‡ Alexys Parker Davis‡ Khushi Duggal‡	The Efficacy of a Racemic Delta Opioid Agonist on Binge-Like Drinking in High Alcohol Preferring Mice
Chester, Julia	7044	Caitlin Alexandra Williams†	Title: Sex Differences in Social Isolation Effects on Compulsive Related Behavior in Crossed High Alcohol Preferring Mice
Chetput Venkataraghavan, Sooraj	1088	Dhruv Roopchand Khatri† Tri Than†	DDR4 DRAM Controller Design for Accelerated Matrix Processor

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Chetput Venkataraghavan, Sooraj	1228	Daniel Choi† Hassan Al-alawi† Hunter A Mccollough† Justin Yasuumi† Armaan Kanchan† Jerry Ronald Chen† Viet Khoi Pham Khac† Shresth Mathur† Abhiram Saridena† Muhammad Zohaib Ali†	Integrating SIMT and Scalar Cores to Manage Control Flow Divergence
Chetput Venkataraghavan, Sooraj	1290	Aidan Michael McDonough† Daeun Kim† Eshan Mathur† Puthimet Kitjaruwankul† Dhruv Roopchand Khatri*	CRC Accelerator for the AFTx07 System on Chip
Chetput Venkataraghavan, Sooraj	1568	William Wong† Yue Yin† varun Vaidyanathan†	Memory Subsystem Implementation for Accelerated Matrix Processor
Chetput Venkataraghavan, Sooraj	1570	Cecilie Zhang† Renzhi Yongtian† Atharva Umesh Bhide†	Development and Testing of the QSPI on FPGA
Chidambaran, Vidya	1489	Hana Mohamed Mahmoud†	Perioperative Pressure Pain Threshold as a predictor of Acute and Chronic Postsurgical Pain Outcomes in Adolescents
Chinnenahalli Beeralinga, Nagabhushana	1277	Zane Anthony Lark†	Evaluation of Inhibition Concentration, Solubility, and Metabolic Stability Data for Covalent Antimalarial Analogs
Chiu, Yu-Chin	1168	Peter Zakariya†	Tracking Cognitive Strategies using EEG signals
Chmielewski, Jean A	1419	Wyatt Tristan Carter†	Dextran encapsulation In Modified Coiled-Coil Peptide Nanotubes
Chmielewski, Jean A	1625	Marianna Chicas†	Peptides for Cell Penetration
Choi, Yooseung	1053	Victor Ionut Ene† Clifford Walter Gamble‡ Abhishek Kini‡ Jamie Chanadol Henson‡	Mid-Air Autonomous Battery Exchange System
Choi, Yooseung	1807	Clifford Walter Gamble† Jamie Chanadol Henson* Victor Ionut Ene*	In Air Battery Swapping
Choi, Youn jeong	1410	Ethan Robert Behrend†	PFAS biotransformation through composting of contaminated animal carcass
Choi, Youn jeong	1507	Rachel Christine Quisil Ordiales† Sadie Grace-Lucero Keegan†	Distribution of Biosolid-Impacted Recreational Farm Ponds Contaminated with Per- and Polyfluoroalkyl Substances (PFAS) in Indiana
Choi, Youn jeong	1702	Brandon George Miller†	Fate of unregulated organic compounds at a 40-year dedicated municipal biosolids land disposal site
Chortos, Alex	1497	Uday Mittal†	Photocurable Gel Actuators with Engineered Microstructures for Enhanced Energy Density and Actuation
Choung, Hyesun	8006	Mohamed Alaa Moham Ahmed† saumya verma‡	AI-Powered Tutoring with Retrieval-Augmented Chatbots: Enhancing Interactive Learning in Intercultural Communication
Choung, Hyesun	8015	saumya verma† Mohamed Alaa Moham Ahmed‡	AI as a Creative Partner: Exploring the Effects of Communication Modality and Chatbot Persona on Human Creativity
Christ, Nicholas M	1615	Han Burgess†	Characterization of Expanded Polypropylene Beads for Concrete
Christ, Sharon L	1670	Meha Raagani Kavoori†	A Psychometric Evaluation of the PHQ-8A Among Adolescents in Military Families
Chubykin, Alexander A	1638	Mia Anne Fehlinger†	Effects of Acute Ketamine Treatment on Learning Dependent Neural Plasticity in FXS Mice Models

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Chukwu, Rita Ogechi	1318	Ava Grace Reynolds†	Tobacco Perceptions and Abstinence Intentions Among Caribbean Adolescents: Through the Lens of the Health Belief Model
Chynoweth, Brandon C	1212	Tanuj Bhat† Krish Samir Mehta† Tanush Ashok† Edward X Sun† Arjun Aneja†	Lift Analysis on Diamond-Shaped Airfoils in Supersonic Free-Stream Velocities
Clapp, Anna R	1157	Anjali Vanamala†	Maximizing Accuracy in Longitudinal Microbiota Analysis: A Mixed-Model Approach
Clase, Kari L	1042	Therese Richelle Cunanan† Kyle Kai-Yuan Han† Sabrina Michelle Hardy†	Impact of Arthrobacter Phage Genome Frameshift on Function and Protein Structure Prediction
Clase, Kari L	1065	Bhoomika Kumar Gowda† AJ DiAndreth† Milena Campos Prada†	Predicting The Functions of Hypothetical Proteins Using Pymol and Alphafold
Clase, Kari L	1201	Leilani Grace Agngarayngay† Julia Lauren Marino† Samhita Mysore Shantharam† Alexis Lucille Ador Bernal†	Bacteriophage Skitty: A Comparative Study Between the MicroProtein Gene 73 and Defined Gene 56
Clase, Kari L	1258	Manya Devang Kadiwala† Abigail Nguyen Origer† Collin Jayson Kao† Elyse Youngstedt†	Investigating Protein-Protein Interactions for Functional Assembly in Actinobacteriophage GoldDust
Clase, Kari L	1331	Ranen Kaiser Shakir† Eric Tate Vasser† Lauren Elizabeth Bhat† Isaac Brennan Schantz†	Molecular CSI: An Integrated Workflow Using AI-Driven Structural Modeling and Domain Microanalysis for Hypothetical Protein Annotation
Clase, Kari L	1453	Ash Hallissey† Joshua Edward Sheldon† Ekagrah Kumar† Sara Thomason†	Comparative Analysis of Bioinformatic Programs for Bacteriophage Protein Structure and Function Homology
Clase, Kari L	1471	Lillian Grace Knight† Michael H Wang† Reina Cristine Perl† Sabina Anna Mazur† Madeline Marie Peterson†	Exploring the Gap Moe: Analyzing Unknown Functions of Gaps in Bacteriophages AdaS and MellowYellow
Clase, Kari L	1515	Mia Cynthia Pfeiffer† Lauren Marie Schinker† Erin E Chapmond† Kole Allen Luckett†	Close Calls: Evaluating Auto Annotation Accuracy in GeneMarkS and Glimmer in Bacteriophage Genomes
Clase, Kari L	1607	Isaac Robert Bailey† Owen Louis Hoerner† Saydie Ann Bannister Hannah† Katy Brauer†	Fold and Behold: Predicting Protein Functions with Structural Models
Clase, Kari L	1612	AnnaBella Marie Brown† Delilah Ruth Flora† Pooja Sriram† Madelyn Clair Watson†	Resolving Gene Prediction Discrepancies: Comparing Glimmer and GeneMark in Bacteriophage Genome Annotation
Clawson, Rosalee	1223	Gabrielle Loretta Casement†	Examining the Role Gender Egalitarianism has on Domestic Violence Policies
Claxton, Laura J	1261	Riya Ashwin Karpe†	The Development of Advanced Bimanual Object Manipulation in a Natural Setting
Clay-Gilmore, Miron Javionne	1021	Reuben Lewis Bowie†	Visualizing the Enemy: Artificial Intelligence Image Generators and the Reproduction of Counter-Insurgent Logics in the Western Imagination
Clifford, Sydney Joann	1034	Ella Rose Deanne Chianis†	AREG signaling decreases sensitivity to therapeutic PP2A activation in pancreatic cancer
Clifford, Sydney Joann	1263	Emma Frances Kay† Ella Rose Deanne Chianis‡	Comparing the Role of PP2A-B56a and PP2A-B55a Activation in EGFR Signaling in PDAC

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Cloft, Sara Elizabeth	1098	Claire Elizabeth Lang†	How pasture-raised laying hens impact the abundance of surrounding wildlife in Northwestern Indiana
Colbert, Ethan Michael	1674	Anna G. Klupshas†	Quality Assurance of Macro Pixel Sub-Assemblies for the CMS Outer Tracker Upgrade
Cole, John H	1460	Cheyenne Mie Huggins† Samridhi Kakkar† Linda Ronglin Xu† lance Ma† Nicholas Gentry Viardo†	VIP EdTechDev: Developing an Accessible Physical Computing Course
Collins, Margaret Elizabeth	1417	Caitlyn Yuchong Cai† Skyler Rose Mofle† Shree Krishna Tulasi Bavana†	How Student Journalists Perceive and React to Information Challenges in the Field of Journalism
Cong, Yan	1554	Emily Angel Tumacder†	Leveraging LLMs for the prediction of Aphasia severity directly from Speech
Cooke, Brody Steven	7088	Manya Devang Kadiwala† Shruti Subramaniyan† Adriana K Sanchez‡ Brasen Paul Garcia‡ Nitya Manish Jhaveri‡ Vijay Muthukumar‡ Mia Constance Schecter‡ John Michael Peters‡ Micah David Ambrose‡ Ryan Arthur Sidney Grenier‡ Emirhan Gunes‡ Mark T Crooks‡ Nathanael Robert Herman‡ Arabella Leia Crivello‡ Elizabeth Xian-Hui Kung‡ Sonali Garg‡ Cole Anthony Massie‡ Ryan Charles Deangelis* Emma M Horn* Swastik Patel* Luke Powell Williams* Simone Xin Moulton* devyani tyagi* Spruha Jigar Vashi*	ASTRO-USA: Analog Simulation Training and Research Outpost Utilizing Self-Sustaining Architecture
Coon, MacKenzie Rachelle	1319	Justina Joy Riffell† Anna Polkowski†	Customizing Grid Collimators with 3D printing for Optimized Spatially Fractionated Radiotherapy
Cooper, Austin Rory	7049	Abigail Elizabeth Preston†	Balancing Science and Society: A Solution for Long-term Nuclear Waste Management, Finland's Onkalo Deep Geological Repository
Cooper, Harold Kory	1070	Jarren Haggard†	Elements of Art: pXRF Testing and Exhibition of Purdue
Cooper, Harold Kory	1151	Kyah Elizabeth Sturm†	Analyzing Excavated Jewelry from Fort Ouiatenon
Cooper, Harold Kory	7100	Jacob Scott Culp†	Dress and Trade at Fort Ouiatenon and New France: Economic and Social Relations as Evidenced by Cloth Bale Seals
Cordeiro Moreira, Davi	1032	Maoxiong Chen† Abhinav Bondlela† Dane Alexander Kniola† Theodore Dean Schmidt†	Predicting the Future of Electric Vehicles: Adoption Trends, Reliability, and Market Growth in Washington State
Cordeiro Moreira, Davi	1052	Kyle Steven Emgenbroich† Kaitlin Rose Otto† Ishita Tripathy† Vaibhavi Chamiraju†	Bracket Bias: Predicting NCAA March Madness Outcomes and the Influence of Fan Loyalty

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Cordeiro Moreira, Davi	1063	Aditya Ghorpade† Shreem Bhavesh Amin† Ronak Bhagia† Gabriel E Calleja Sanchez† Jayanth Madhava Kurup†	Forecasting Nike's 2025 Earnings: A Data-Driven Approach
Cordeiro Moreira, Davi	1095	Anisa Krvavac† Adam Taesoo Bae† Ian Spencer Lutz† Jacob Matthew Embleton† Alex Lukowiecki Caridi†	Predicting GDP Growth: Using Data - Driven Insights to Uncover Economic Trends
Cordeiro Moreira, Davi	1101	Josiah John Linnemann†	Forecasting Monthly Bag Distribution: Improving Delivery Efficiency Through Data
Cordeiro Moreira, Davi	1250	Adlyn Aliette Hernandez†	Analyzing Fan Predictions of Basketball Bracket Winner's: Driven by Fan Brackets and Affinity of Teams
Cordeiro Moreira, Davi	1260	Parth Kapila†	Optimizing Enrollment Processes: Leveraging Automation for Operational Efficiency and Multilingual Support
Cordeiro Moreira, Davi	1269	Lauren Mackenzie Knowlton†	Predicting Peoples' Perfect Bracket: A Data-Driven Approach to March Madness Forecasting
Cordeiro Moreira, Davi	1291	William V. Mehra† Thomas Daniel Holland† Nathan Andrew Summers† Ethan Arthur Haeberle† Mahek Gupta†	Predicting Bracket Outcomes: Using Predictive Analytics to Understand how Customer School Affinity Effects Decision Making Bias
Cordeiro Moreira, Davi	1303	Viet Vu Hoang Ngo† Rachel Kalyn Spear† Anishka Pateriya† Marcus Victor Page† Sana M Khambati†	Predicting March Madness Bracket: The Influence of School Affinity
Cordeiro Moreira, Davi	1305	Lynden Tate Oliver† Aubrey Zak‡ James Graeme Tolland‡ Charles Andrew Dempewolf‡ Maanav Narasimha Kyabarsi‡	Predicting Fan Engagement: A Similarity Test Enhancing Future Bracketology
Cordeiro Moreira, Davi	1403	Alexander Chase Alfele† Lauryn J Crumbley† Annika Anders Nelson† Brendan Lawrence Ludwig†	Predicting Consumer Purchasing Trends: A Comparative Analysis of Walmart and Target Customers in West Lafayette
Cordeiro Moreira, Davi	1442	Maura K Flood† Mackenzie Elizabeth Arnish† Nicholas Patrick Zebell† Haley Grace Henson† Olivia Francis Hojnicki†	Predicting NCAA Bracket Champions with Data-Driven Insights
Cordeiro Moreira, Davi	1443	Alyssa A Forester† Sophia Ling† Isabella Chiara Lagioia† Zainab Waheed† Aadi Agrawal†	Beyond the Bracket: Data-Driven Predictions of March Madness Selection Patterns
Cordeiro Moreira, Davi	1488	Aryaa Madan† Rayan Siddiqi† Pahal Vishalkumar Kapatel† Jacob Michael Zawacki†	Predicting NCAA March Madness Outcomes: Assessing School Affinity and Bracket Forecasting Accuracy
Cordeiro Moreira, Davi	1490	Avi Manik† Anurag Koripalli† Ark Kedia† Brady Ivan Yoder† Somansh Hamen Shah†	Predicting March Madness Bracket Accuracy: The Role of School Affinity in Final Round Forecasting

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Cordeiro Moreira, Davi	1605	Pranshu Aryal† Mishka Parashar† Ria Trikha Singh† Tishia Talia Darmawan†	Clicks to Conversions: Leveraging Social Media Engagement for Teenage Purchasing Behavior
Cordeiro Moreira, Davi	1618	Albert Joseph Burton† Michael Lance Whitfield† Filippa Maria Rodriguez Pinzon† Chalen Alexander Jack† Varsha Raj†	Predicting March Madness Fan Brackets: Leveraging Data for Sponsorship Insights
Cordeiro Moreira, Davi	1644	Ethan Thomas Garcia† Jakub John Jasinski† Cooper J Keillor† Shenghua Wu† Meenakshi Radhakrishnan†	Predictive Modeling of Liver Cancer Risk
Cordeiro Moreira, Davi	1684	Drew Christophe Lawler† Omar Haytham Al Husseini† Benjamin James Wright† Kelly Ann Igo†	Predicting March Madness Finalists: A Data-Driven Approach to Understanding School Affinity
Cordeiro Moreira, Davi	1688	Yun jing Lin† Cooper Jacob Wylie† Theodore Christian Lewis† Harleen Kaur Sohal† Rick Lee†	Predicting Customer Ratings: A Data-Driven Approach to Optimizing EV Charging Stations
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Cordeiro Moreira, Davi	1720	Samyukta Rajaraman† Kriti Bagchi† Brandon Michael Dries† Alexander Logan Kapala† Christina Wan†	Unveiling Fan Decision-Making: Predicting Sports Championship Outcomes Through User Prediction Strategies
Cordeiro Moreira, Davi	1766	Charlotte Ann Warren† Lahari Krishna Bikkavilli† Aksheet Sameer Paralkar† Madeeha Sadiq†	Customer Return Likelihood: Based on Demographics, Service Usage, and Customer Support Interactions
Cordeiro Moreira, Davi	1768	Tyler Nathan Wichman† Hunter McCormick Danton† Robert Paul Bogdajewicz† Sruthi Bhamidipati† Shreya Maganti†	Predicting Cryptocurrency Price Movements: A Data-Driven Analysis of Trading Volume Trends
Cordeiro Moreira, Davi	1772	Xinyue Zhao† Shih-En Wang† Jackson McKinney† Brody Lee Stevens†	Maximizing Revenue: Analyzing Hotel Rates and Booking Patterns
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Costa Alves Souza, Olga	7039	Danny Andre Thornewell†	Multi-step Enzymatic Retrosynthesis using Monte Carlo Tree Search
Cottingham, Harrison Michael	1090	Joshua Dongjin Kim†	Impact of a RAGE antagonist on tendon biomechanical properties in a mouse model of type 2 diabetes
Cottingham, Harrison Michael	1660	Aidan Thomas Hopwood† lauren Mitevski‡	Patellar tendon biomechanical and morphological properties in young and older adult women
Cottrell, Kyle Aaron	1691	Madison Elizabeth Liu†	Evaluating the Role of RIG-I in Triple Negative Breast Cancer

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Couetil, Laurent L	1643	Alyson Renae Galey†	The effects of omega-3-polyunsaturated fatty acid (PUFA) supplementation on asthma-prone racehorse performance
Cren Colalillo, Beatriz	7023	Nikhil Samit Sadavarte† Kaitlyn Ying* Jonathan Minh-Tri Ngo* Manasa Gudugundla*	Identifying potential enhancers of regeneration after zebrafish spinal cord injury
Cross, Tzu-Wen L.	1157	Anjali Vanamala†	Maximizing Accuracy in Longitudinal Microbiota Analysis: A Mixed-Model Approach
Csonka, Laszlo	1323	Olivia Nicole Safranek† Ruoqin Rachel Yang†	Analysis of Temperature Sensitive Mutants
Currim, Fatema Mustafa	1039	Matthew Thomas Corson† Sofia Schumann*	Rotenone-induced acute miRNA alterations in extracellular vesicles produce Parkinson's Disease relevant mitochondrial dysfunction and neurotoxicity.
Currim, Fatema Mustafa	1257	Dia Dipen Jhaveri† Sofia Schumann‡ Matthew Thomas Corson‡	Molecular Effects of Chlorpyrifos Exposure in Pon-1 (-/-) and Wildtype Rat Models
Currim, Fatema Mustafa	1717	Hurshal Pol† Matthew Thomas Corson*	Imaging neurotoxicity: Visualizing PFOS retention and distribution in the rat brain using DESI-MSI
Currim, Fatema Mustafa	1729	Sofia Schumann† Dia Dipen Jhaveri‡ Matthew Thomas Corson* Hurshal Pol*	Comparative Neurobehavioral and Molecular Effects of Chlorpyrifos Exposure in Pon-1 (-/-) and Wildtype Rat Models
Curtis, Philip Robert	1118	Emma Niecikowski†	The Impact of Early Caregiver Linguistic Input on Children's Later Speech Sound Development
Curtis, Philip Robert	7060	Victoria Tuell†	The Impact of Children's Sensory Perception Abilities on Early Lexical Development
Czerwionka, Lori A	8002	Claudia Kayleen Albrecht†	The Power of Linguistic Landscapes in Indiana's Libraries
Czerwionka, Lori A	8004	Lillian Sarah Pirotto† Haley Diane Imus† Elizabeth S Noh* Tran Nguyet Anh An* Brody Everett Snyder* Olivia Marie Scavo* Edjutawee Dawit* Laura Esther McWilliams*	Systematic Review of Humanities Pedagogy
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Dai, Ran	1053	Victor Ionut Ene† Clifford Walter Gamble‡ Abhishek Kini‡ Jamie Chanadol Henson‡	Mid-Air Autonomous Battery Exchange System
Dai, Ran	1107	Sishir Mahavadi† Prisha Rachakonda‡ Tanya Vijay‡ Jacob Daniel‡ Adina Ioana Margineantu‡	Advancing Space Exploration with Origami-Inspired Robot Design and Prototyping
Dai, Ran	1160	Tanya Vijay† Sishir Mahavadi‡ Adina Ioana Margineantu‡ Prisha Rachakonda‡ Jacob Daniel‡	Design and Experimental Analysis of an Origami-Based Compliant Mechanism for Deployable Space Antennas
Dai, Ran	1433	Jacob Daniel† Prisha Rachakonda‡ Adina Ioana Margineantu‡ Sishir Mahavadi‡ Tanya Vijay‡	Optimization of an Origami Shaped Antenna Reflector to Maximize Uniform Coverage and Energy Containment For One-to-Many Communication

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Dai, Ran	1492	Adina Ioana Margineantu† Prisha Rachakonda‡ Tanya Vijay‡ Jacob Daniel‡ Sishir Mahavadi‡	Leveraging Shape Memory Alloys (SMAs) to Assist in Thermal Actuation of Origami Antennas
Dai, Ran	1807	Clifford Walter Gamble† Jamie Chanadol Henson* Victor Ionut Ene*	In Air Battery Swapping
Dai, Ran	7118	Prisha Rachakonda† Adina Ioana Margineantu‡ Tanya Vijay‡ Sishir Mahavadi‡ Jacob Daniel‡	Thermal Actuation Inspired Machine Learning Algorithm for Reconfigurable Antenna
Dai, Ran	9037	Eddie So†	Origami-Inspired climber for multidirectional Robotic Locomotion
Dankwa, Derrick	1048	Michael Stuart Dickinson† Eric Tate Vasser†	CRISPR Nanocarriers: Developing a Novel Method of Genome Engineering Using DNA Nanocage-Based Delivery of EnAsCas12f and CRISPR Associated Components
Dankwa, Derrick	1139	Prisha Nitin Shethia†	Design of Logic-Based Genetic Circuits Using RNA Aptamers for Inflammatory Bowel Disease Biomarker Response.
Darbyshire, Amanda K	7200	Shikha Adhikari† Kelly Marie Curry†	A novel self-entry restraint device for low-stress handling of mice
Das, Soumyajit	7064	Khanh Ha Nguyen†	Engineering Stable HEK293T Viral Production Cells to Achieve High Lentiviral Vector Titer for Cell-based Immunotherapy
Das, Subham	7102	Dipali Rebecca Abraham† Mira Nimesh Patel† Alexander Carnevale†	Modeling Drug Transport in the Umbilical Cord: A Fluidic Approach to Pregnancy Pharmacokinetics
Davis, James C	1337	Lawrence Folsom Smith† Hyeonwoo Heo† Christopher Xu† Minh Binh Tran† Kyle John Massie‡	Optimizing Pre-Trained Model Selection for Resource-Constrained Applications
Davis, James C	1601	Mohamed Alaa Moham Ahmed† Mohamed Sameh Abde Abdelmouty† Alex Sangwoo Park‡ Gunvanth Reddy Kandula‡	Advancing Jailbreak Strategies: A Hybrid Approach to Exploiting LLM Vulnerabilities and Bypassing Modern Defenses
Davis, James C	1680	Parv Kumar† Lavangi X Yadava† Zackary Pieter Homrich† Parth Kapila† Rohan S Potta†	Improving Agent Communication Large Language Model-Based Multi-Agent Systems
Davis, James C	1737	Christopher Michael Sigmund† Rohan Chandra Mudugere† Ivan Ni† Shrenick Sri Venkata Sai Gannamani† Lingyu Li† Donhyung Ko†	Auto ONNX Tester
Davis, James C	7070	Rishi Mantri† Arjun Sandeep Gupte† Chien Chou Ho† Leo Deng† Michael Lie Setiawan†	Optimizing Application Software for Greater Energy Efficiency using Large Language Models

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Davis, Zachary Robert	7119	Luke Brian Johnson† Shreya Prakash† Ariel Scout Hudson† Uday Mittal† Supreet Mishra† Anjan Nanisetti† Ayush A Kabirpara‡ Isha Varshney‡ Rishaan Ponna‡ Zion Maurice Julius Hackett‡ Krish Majumdar‡ Ishana Didwania‡	Restoring Functional Independence: A Grip-Assistive Glove for Muscular Dystrophy through Responsive Motor Control
Davisson, Vincent Jo	1008	Ari Samuel Samuel Arzumanian† Allison Catherine Bennett†	Platinum-Containing Compounds have Potential Roles as Cyanide Antidotes
Davisson, Vincent Jo	7065	Oliver Hu†	Optimization of Diphyllin Analog Solubility for Ebolavirus Treatment as a V-ATPase Inhibitor
Davisson, Vincent Jo	7080	Jenna Yeager†	PCNA-NKp44 Interaction Provides Avenue for Immunotherapeutics
Davisson, Vincent Jo	7081	Sungyu Choi†	Targeting High-risk HPV E6: Structure Based E6-p53 Inhibition
de Souza Barbosa, Pedro Henrique	1539	Adam Jair Selby†	Real-Time Health Monitoring: A Wireless System for Triboelectric Sensor Data Acquisition and Analysis
de Souza Barbosa, Pedro Henrique	1557	Dhruva Vedula† Mrigas Ajay Iyer†	AWARE: A wearable self-powered smart pressure sensors for workplace injury prevention
de Souza Barbosa, Pedro Henrique	7121	Abhinav Chowdary Annabathula†	Intrinsically Self-healable Laser-Induced Graphene Pressure for Ergonomic Hazard Monitoring
DeBoer, Jennifer J	1631	Stephanie Close† Darren Soo ahm Hwang†	EngStarter: A Microelectronics Kit for STEM Education in Fragile Contexts
DeBoer, Jennifer J	7020	Maerianna Jane Artang†	Identity Negotiation among LGBTQ+ Youth Experiencing Housing Insecurity through a Localized Engineering Program
DeFrench, Melissa Kay	1363	Ashley Young†	Communication's Role in Facilitating University Student Access to Mental Health Resources: How Communication Can Help Save Lives
DeFrench, Melissa Kay	7104	Sarah Marie Staller†	The impact of gut microbiome dysbiosis and subsequent intervention on restoring spinal health in a murine model
Deka, Angshuman	1278	Gangsan Lee† Jozue Kim† Brian Martin Dodd† Ella Gores† Haneul (Sky) Kim† Sang Soo Ha†	Metal-Insulator-Metal Capacitor SPC - MIM3
Delaurentis, Daniel A	1295	Abigail Sarah Mizzi†	Hypersonic Vehicle Design Analysis Using CBAero: System Interactions and Design of Experiments
Delgado, Michael S	1169	Yuhang Zhai† Runjie Wu†	Investigating the mediating effects of ESG for corporate equity and financial performance in specific levels: A case study of China's A-share listed companies

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Delgado, Michael S	7222	Yiwen Zhang†	The Impact of Air Quality on Real Personal Income: Evidence from U.S. States (2019–2022)
Delp, Edward J	1097	Bhavya Lakhina† Kathleen Elane O'Sullivan† Gavin Noel Hendrix†	APPS: Style Transfer
Delp, Edward J	1240	Connor Bradley Frey† Joonyeoup Kim† Piotr Stanislaw Nabrzyski† William Benjamin Tao†	Continual Learning for Calorie Estimation of Food Items
Delp, Edward J	1352	Jai Balaji Viswanath† Zian Pan†	Traffic Light Detection for Autonomous Vehicles
Delp, Edward J	1500	Jacob Ray Morales† Sidh Jain† Alessandra Rice† Tuan Minh Pham† Puruo Wang†	Enhancing Bone Fragment Identification in Forensic Anthropology Using Machine Learning
Delp, Edward J	1613	Ishaan Bangarraju Buddharaju† Aryan Kiran Kumar Chamarajanagar† Ishita Shukla† Parth Nitin Ranade†	Pedestrian Detection in EarthCam Images: Benchmarking Three Object Detection Methods
Delp, Edward J	1734	Ahmed Wael Shebl† Abdelrahman Hamdy Ghania† Zeyad Ayman El Afify†	3D Food Reconstruction
Delp, Edward J	7053	William Henry Stevens† Karthik Selvaraj† Gabriel A Torres† Leo Ross Benaharon† Surya Teja Sripathi†	Refining Text Detection using Transfer Learning and a Unified Approach to Text Localization and Transcription
Deming, Brody Alan	1131	Rineet Ranga†	Investigating the Effects of Chemogenetic Manipulation of the Lateral Habenula (LHb) on Social Behavior in Scn2a-Deficient Mice
Deptula, Adrianna Marie	1763	Sophia Marielle Vina†	Generative AI in Narrative Medicine: Strengthening Patient-Physician Relationships in Rural Healthcare
Dharanipragada, Archana	1060	Manuel Ashraf Melad Gad† Kerollos Ehab Matta Yanny†	Design and Implementation of a 2.4 GHz Local Oscillator for Energy-Efficient Wi-Fi RF Receivers in Low-Power Applications
Dharanipragada, Archana	1450	Thomas Allen Greer† Erik Kocinare† Chao Min Chung†	An In-depth Look of Different Phase Locked Loop Topologies
Dharanipragada, Archana	1452	Youssef Nagah Haider† Abdelrahman Osama Khalid†	Design and Optimization of a Fully Differential Gilbert Cell Mixer for 2.4 GHz Direct Conversion Wi-Fi RF Receivers
Dick, Jeffrey Edward	1162	Amber K Wang†	Probing Mass Transport in an Acoustically Levitated Droplet with Novel Electroanalytical Techniques
Dick, Jeffrey Edward	1222	Daniel Michael Carrel†	Multiphase Electrochemiluminescence Microscopy of Competitive Reactions
Dick, Jeffrey Edward	1517	Sadie A Poirier† Yashvi Choudhary‡	Electrochemical Aptamer Sensor Fidelity in Complex Blood/ Serum Solutions
Dick, Jeffrey Edward	1530	Emily Lucille Richardson†	Understanding the Effects of Co-Solvents in Enhancing Efficiency and Stability of Zinc Metal Anodes
Dick, Jeffrey Edward	1656	Michael Louis Harrigan†	Current Matters: Unraveling "Dead" Zinc Formation in AZMBs
Dick, Jeffrey Edward	7040	Sirish Meher Reddy Kayam†	Optimizing Platinum Nanoparticle Deposition for Enhanced Stability in Electrochemical Aptamer-Based Sensors
Dickey, Ethan William	7218	Anvit Sinha† Vivan Tiwari†	BoilerSketch

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Dierolf, Benjamin Kieth	1017	Anvi Bhatnagar† Nicholas James Georgiades† Arni Prakash Bhatnagar‡ Thomas John Cowden‡	Acute Exposure to Nicotine-containing Electronic Cigarette Aerosols Augment Early Molecular Changes Related to Chronic Lung Diseases in Mice.
Dierolf, Benjamin Kieth	7112	Andrew Patrick Folkers† Thomas John Cowden† Arni Prakash Bhatnagar‡ Anvi Bhatnagar‡ Nicholas James Georgiades‡	Systemic Inflammatory and Organ-Specific Tissue Remodeling Responses Induced by Acute Electronic Cigarette Vapor Exposure.
Dietrich, Bryce Jensen	1613	Ishaan Bangarraju Buddharaju† Aryan Kiran Kumar Chamarajanagar† Ishita Shukla† Parth Nitin Ranade†	Pedestrian Detection in EarthCam Images: Benchmarking Three Object Detection Methods
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Dikshit, Abhijnan	1361	Sota Yanagisawa† Milan Edward Rahmani‡	Design and Analysis of Flapping-Wing Unammned Aerial Vehicle (FWAV) Modular Wing Testbed
Dilger, Bradley	1081	Naomi Elizabeth Islas† Sarah Colleen Buwick†	Developing a Collaborative Coding Framework for Onboarding Undergraduate Researchers
Dilley, Neil R	1278	Gangsan Lee† Jozue Kim† Brian Martin Dodd† Ella Gores† Haneul (Sky) Kim† Sang Soo Ha†	Metal-Insulator-Metal Capacitor SPC - MIM3
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Ding, Ziwei	1544	Dean Patrick Shock† Tiancheng Zhang† Camden Michael French† Dominic J Harbin†	Automating the Discovery of Tidal Disruption Events
Ding, Ziwei	1709	Cadance William Lucas Ormsby† Vincent Xavier Velasquez† Tianhe Yang†	An Attempt at Identifying Tidal Disruption Events through ZTF
Dong, Ziyu	1552	Maitreyee Panini Telang†	Chemogenetic Tools in Zebrafish: Visualizing and Manipulating Bioelectric Activity.
Dooley, Jimmy	1038	Alyssa Yates Collins†	Twitchy Whiskers, Busy Brains
Dooley, Jimmy	1164	Claire Wolfer-Jenkins†	A Longitudinal Analysis of Developmental Changes in Twitch Patterning during REM Sleep
Douglas, Kerrie	1010	Sofia Adelaide Jane Bahr†	Investigating identity-based social capital for nonbinary STEM graduate students
Douglas, Kerrie	1230	Thais da Silva Oliveira Mendes†	From Equations to Interpretations: An Engineering Student's Journey in Qualitative Research
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Douglas, Kerrie	1499	Sophia Moon† Jeevika Rajesh Purkar‡ Philip Hwanseo Lee‡ Vishwajit Laxmanrao Patil‡	Purdue Ivy Tech Chips Program Research Project

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Douglas, Kerrie	1713	Vishwajit Laxmanrao Patil† Sophia Moon‡ Jeevika Rajesh Purkar‡ Philip Hwanseo Lee‡	PITCH Program Analysis
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Duarte, Bryan J.	1814	Anjali Devi Gupta†	Tracking the Demographic Differences Between Traditional Public Schools and Sectors of Charter Schools in Indianapolis
Dubey, Shubham	1730	Molly Genevieve Seeser†	ExbB + ExbD in Neisseria: a Proton Channel Protein Puzzle
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Duffell, Paul Cole	1416	Aydian Brown†	Exploring Gap Depth in Protoplanetary Disks: The Effects of Planet Mass, Orbital Separation, Surface Density, and Gap Merging in Multi-Planet Systems
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Dunlop, Steven R	1234	Jana Mohamed Ga Elsayed† Leen Alshaikh†	Weather Station
Dunlop, Steven R	1314	Brian Ross Ramos† Brandon Maxwell Yee†	Raspberry Pi Robotic Arm Image Recognition
Dunlop, Steven R	1481	Aelish Marie Ligon†	Small Scale Manufacturing of Clay on Mars
Dunlop, Steven R	1493	Samuel Joshua McBroom† Jonathan S Carr†	Secure Remote Control Raspberry Pi with SSH and XMRig
Dunlop, Steven R	1635	Ethan C Espinoza†	Polyformer
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Dunlop, Steven R	7047	Jonathan S Carr† Samuel Joshua McBroom†	Crypto-Mining Integrated Software
Durbin, Stephen M	1096	Madeline Zofia Kwasniewski† Brijesh B Patel*	Variable Bragg x-ray beam splitters
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Elkabbany, Amr Hussien	7065	Oliver Hu†	Optimization of Diphyllin Analog Solubility for Ebolavirus Treatment as a V-ATPase Inhibitor
Elkin, Samuel Theodore	1665	Arnav Jadhav† Christian Scheckel† In Jun Baek† Keshav Shylesh† Charles Spencer Bowles† Tanvi Chukka† Jinhoo Yoon†	Numerical Techniques for Efficient Full-Wave Modeling of Circuit Quantum Electrodynamic Devices
Elkin, Samuel Theodore	1728	Annabelle Rose Schultz† Annsh Santosh Navle† Christian Scheckel† Jack Thomas Willard† Jinhoo Yoon† Tanvi Chukka† Tylen Sean Fleming†	Creating Comprehensive Modeling Tools for Simulating the Dynamics of Multi-Qubit Superconducting Systems Embedded in Arbitrary Transmission Line Networks
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Elliott, Christine Harrison	7077	Zhixin Cai† Keith Meyers‡ Ryan M Feller* Thomas Allen Belcher* Hiya Samanta*	From BirdNet to BugNet: Leveraging AI to enhance Cicada Detection with comparison to bird calls
Ellis, Audrey Christine	1132	Mackenzie Grace Roche† Adela Stephanie Fuentes‡	Determining Antimicrobial Resistance in Bovine Respiratory Disease Bacteria
Engelberth, Abigail	1627	Katherine Sophia Chiparus†	Unveiling Food Waste Patterns at Purdue University
Enkh-Amgalan, Soyol	1675	Adrian Charlie Knoll† victoria burke‡ Alexys Parker Davis‡ Khushi Duggal‡	The Efficacy of a Racemic Delta Opioid Agonist on Binge-Like Drinking in High Alcohol Preferring Mice
Enkh-Amgalan, Soyol	7044	Caitlin Alexandra Williams†	Title: Sex Differences in Social Isolation Effects on Compulsive Related Behavior in Crossed High Alcohol Preferring Mice
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Erk, Kendra A	1770	Evan R Williams†	Interfacial Phase Behavior and Growth of Hexagonal Phase in Concentrated Lamellar Sodium Laureth Sulfate Solution and Cetostearyl Alcohol Crystal
Ewing, Christopher	7117	Isidore Peter White†	Stalin and Groupthink: How Stalin's Personality Colt Existed Alongside Collective Leadership
Falk, Courtney Allen	1400	Phoebe Isadora Abbruzzese†	Financial Conspiracy Theories and Their Influence on Social Media
Fang, Shaohua	8013	Lauren Mackenzie Matthews†	Semantic Interpretation in Humans and Large Language Models of Quantified Statements
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Fei, Songlin	1700	Kareena Karimpil Mathews†	Analyzing, synthesizing and comparing leaves using LLM
Feijoo Garcia, Miguel Alfonso	7113	Jennifer L Harvey†	Student Identification of Persuasion Strategies in AI-simulated Financial Scams
Felicelli, Andrea Lorena	1817	Jose Prieto Innes†	Comparison of orientation of hexagonal Boron Nitride nanoplatelets in biodegradable films
Feng, Dudong	1015	Sandra Edilia Bern†	Wettability and Condensation Dynamics on Ultrawhite Radiative Cooling Paints
Feng, Yaohua	7201	Shams Adigozalzade†	Trust in the Food Supply Chain: Pre- and Post-Survey Analysis of Poisoned's Influence on Young Adults
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Fernandez Vasquez, Luis David	1804	Aditya Mallepalli† Luke Steven Tuthill†	Crack Detection in Reinforced Concrete Structures Using Machine Learning
Fernandez-Juricic, Esteban	1650	Paraj Goyal†	Contrasting the ratios of neural mechanisms to photoreceptors: Animals employ different color processing strategies
Ferreira, Christina R	1717	Hurshal Pol† Matthew Thomas Corson*	Imaging neurotoxicity: Visualizing PFOS retention and distribution in the rat brain using DESI-MSI
Figueiredo, Marxa	1447	Viviana Galindo†	Exploration of IL-27 Gene Therapy in the Treatment of Acute Respiratory Distress Syndrome (ARDS)
Figueiredo, Marxa	1714	Amanda Pawlecki† Aryaman Dewan*	PASylation as a promising protein modification to prolong Interleukin 27 (IL-27) half-life
Finders, Jenn	1413	Camila Bonta†	Examining the Role of Teachers' Language Modeling in Prekindergarten Classrooms
Fisher, Kayla Kiara	1491	Charles W Mann† Blessing Adomale Lesi† Khanh Ha Nguyen‡	Using ABCD Data to Identify Cardiovascular Protective Factors Among Black Youth
Fisk, Andrew James	7048	Abagayle Caitlin Wright† Lilly Cathleen Thomas*	Comparative measurement of sow shoulder sore response to common and novel treatments
Flaherty, Daniel P	1006	Isabella Vollmer Arauz†	AC2 Inhibitor Synthesis for Assessment of Physiological Roles in Blood-Brain Barrier Disorders
Flaherty, Daniel P	1277	Zane Anthony Lark†	Evaluation of Inhibition Concentration, Solubility, and Metabolic Stability Data for Covalent Antimalarial Analogs
Flath-Everhard, Gabriel Thomas	9030	Willard Gabriel Rash Cuevas† Samir Niradbhai Patel† Meghana Sunil Kumar† Jaskarandeep Kaur† Gavin Allen Arner‡ Zachary Gosnell‡ Elliott Samuel Korentager‡ Cohen Scott Meredith‡ Jakob Eric Mikolajczyk‡ Pralhad Prashant Mundargi‡ Gavin Wang‡	Refinement of Acrylic Cages for Seizure Research
Fortin, Jessica Sonia	1317	Hannah Irma Reyes Charles† Natalie Grace Horgan* Anabela Djurovic-topalovic*	Exploring the Disaggregation of Serum Amyloid A1 Fibrils Isolated from Animals
Fortin, Jessica Sonia	1661	Natalie Grace Horgan† Anabela Djurovic-topalovic‡	The Aggregation Tendencies of the Signal Peptide Regions of Prone and Not Prone to Aggregate Proteins

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Foust, Emine	1372	Drew Homan†	Fresh Whole Blood Transfusion in Austere Environments
Fraley, Greg	7031	Grace Catherine Ayres† Gabriella Emilia Chambers† Brynn Camille Peterson† Emma Lynn Stuart† Jordan Jada Curry‡	Play that Funky Music Pekin Duck Part 2: Effects of Auditory Enrichment on production variables.
Francis, Alexander L	7061	Mia An-Mei Schmetter† Abigail Foley*	Effects of Hearing Impairment and Cognitive Load on Postural Sway
Francis, Elaine J	8003	Marley Grace Mack†	Animacy in English Object Relative Clause Structure Choice: A Comparative Study Between L1 and L2
Frederique, Isaac Thomas	1277	Zane Anthony Lark†	Evaluation of Inhibition Concentration, Solubility, and Metabolic Stability Data for Covalent Antimalarial Analogs
Freeman, Jennifer	1018	Saraf Jalil Bhuiya†	Glutamatergic-Driven Behavioral Alterations in Lead-Exposed Larval Zebrafish
Freeman, Jennifer	1666	Ashilyn Joseph†	Caffeine and Diphenhydramine for Evaluation of Anxiety and Sleep Patterns in Zebrafish Larvae
Frisbee, Marty D	1296	Leah Nicole Montgomery†	Water-table response to rainfall in the alluvial aquifer of the Funeral Formation in Death Valley National Park, CA.
Frisbee, Marty D	1341	Canada Connor Speier† timothy Hartzer† Thomas Barstow Lambert† Destin Javai Gentillon‡ Diana Lucia Pinto Montes‡	Quantifying hydrogeological processes in the stratified-drift aquifer system of the Iroquois Till Plain using heat, geochemistry, and stable isotopes as tracers in the Ross Biological Reserve, Tippeca
Fritsch, Abigale Louise	1344	Emma Swanson† Evan Graham Coblentz‡ Rhea Chintan Shah‡ Avery Grace Brubaker* Caroline Rhea Packee*	HPV Vaccine Recommendations: Influencing Change Through Information Provision at No-Cost Vaccine Clinics
Fritsch, Abigale Louise	7010	Caroline Rhea Packee† Avery Grace Brubaker† Evan Graham Coblentz‡ Emma Swanson* Rhea Chintan Shah*	Prioritization of HPV Vaccine Preventable Diseases Among Emerging Adults – Implications for Health Education and Communication
Fundator, Rachel	1417	Caitlyn Yuchong Cai† Skyler Rose Mofle† Shree Krishna Tulasi Bavana†	How Student Journalists Perceive and React to Information Challenges in the Field of Journalism
Fundator, Rachel	7066	Makenzie Lee Albert† Taylor Gloria Vic Graham† Yaajushi Valluri† Margaret Elizabeth Collins*	How Audience Relations, University Practices, and Logistics of Student Journalism Impact the Journalistic Practices Used by Student Journalists
Fundator, Rachel	7092	Norah Ann Wills† Harsha Bansiwal† Sophia Victoria Pimentel†	The Implications of Information Challenges on Student Journalists
Gabrielov, Amina	8008	Luke A Diehl†	Perspectives on Mental Health and Society in the Novels of Fyodor Dostoevsky
Gabrielov, Amina	8011	Tessa Clarabelle Stahly†	Castles in the Sky: A Comparison of Constructed and Natural Paradise in Dostoevsky and Utopian Literature
Gallaway, Glynn Ellen	1434	Joshua Armstrong Davis†	Impact of Medullary Bone on the Fracture Toughness of Egg Laying Hens' Tibias
Gallina, Nicholas Leo Frank	1024	Alvin Cai† Luke Wilson Heymann†	A Next-Generation Probiotic Strain Promotes Epithelial Wound Healing (Repair) after Physical Damage In Vitro
Gan, Yi En	1690	Chloe Lin† Sage Clysta Stefonic† Devansh Khandelwal† Nicolas Shulga†	Enhancing PPML with GPU Acceleration: Optimizing Secure Inference for Practical Use

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Gao, Jing	1602	Mateus Ananias†	Enhancing Urban Crime Analysis with Machine Learning and Python-Based Data Matching
Garcia Bravo, Jose M	7015	Lucca Su Mo†	Pulse Flow Reverse Osmosis System for Home Scale Use
Garcia Bravo, Jose M	7055	Nikitha Sam† Diya Banerjee† Ryan Kumar San Juan† Nishtha Singh† Trysta Dephin Chiang† Lily Avery Waterman† Alex Joseph Nagel† Benjamin C Martin† Zihao Qin†	Development of a Novel Wave-Powered Dual-Stage Pulse-Flow Reverse Osmosis System
Garcia Lopez-Arias, Marina	1409	Amareah Elena Bead†	Sustainability Challenges of Recycled Concrete Aggregate: The Hidden Role of Target Strength in Environmental Impact
Gardner, Stephanie M	1574	David H Zis†	How Students Interpret Variability between Categorical and Quantitative Scatter Plots
Gardner, Stephanie M	1637	Piper Jade Feese† Natalie Corrine Marraccini† Ciara N Worthey†	Remember? Understand? Coding an Exam's Difficulty
Garje, Yash Ajay	1480	Philip Hwanseo Lee† Sophia Moon‡ Vishwajit Laxmanrao Patil‡ Jeevika Rajesh Purkar‡	Purdue Ivy Tech Chips Program Analysis Project
Garje, Yash Ajay	1499	Sophia Moon† Jeevika Rajesh Purkar‡ Philip Hwanseo Lee‡ Vishwajit Laxmanrao Patil‡	Purdue Ivy Tech Chips Program Research Project
Garje, Yash Ajay	1524	Jeevika Rajesh Purkar† Philip Hwanseo Lee‡ Sophia Moon‡ Vishwajit Laxmanrao Patil‡	Purdue Ivy Tech Chips (PITCH) Program Analysis Abstract
Garje, Yash Ajay	1713	Vishwajit Laxmanrao Patil† Sophia Moon‡ Jeevika Rajesh Purkar‡ Philip Hwanseo Lee‡	PITCH Program Analysis
Garner, Allen L	1237	Andrew Owen Fewell†	Effects of Neutrons and Protons on Integrated Circuit Molding Compounds
Garretson, Braden Lee	1049	Benjamin David Duttlinger† Elijah Scott Forbes† Michael Vic Paulson† Adina Ioana Margineantu†	Evaluating the Effectiveness of Transient Prioritization Algorithms for Follow-Up Observations in Modern All Sky Surveys
Garzon Sabogal, Luis Enrique	1040	Grace Margaret Costello†	Image-based Analysis of Silicone-Encapsulated Particle Attenuation
Garzon Sabogal, Luis Enrique	7067	Emily Katherine Slotegraaf† Tai S Hsu*	Laponite-based clay inks for natural material 3D printing
Geise, Justin Bernard	1319	Justina Joy Riffell† Anna Polkowski†	Customizing Grid Collimators with 3D printing for Optimized Spatially Fractionated Radiotherapy
Gelvin, Stanton B	1057	Elizaveta Filippova†	Evaluating the Effect of the Location of Type III Secretion System Genes on Agrobacterium-Mediated Transformation Efficiency
Gentry, Adrian	1010	Sofia Adelaide Jane Bahr†	Investigating identity-based social capital for nonbinary STEM graduate students
George, Jessica Ann	1600	Lissette Mariel Aguiar†	Elevated Oxidative Stress in the Anterior Cingulate Cortex of Welders Exposed to Manganese
Getz, Will Jacob	7048	Abagayle Caitlin Wright† Lilly Cathleen Thomas*	Comparative measurement of sow shoulder sore response to common and novel treatments

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Ghajar-Rahimi, Elnaz	1026	Jake Anthony Castro† Sarah Elizabeth Grev‡ Samantha Stebbings‡	Left Ventricular Strain During Chronic Hypertension in Murine Pregnancy Using 4D-Ultrasound Analysis
Ghajar-Rahimi, Elnaz	1651	Sarah Elizabeth Grev† Jake Anthony Castro‡ Samantha Stebbings‡	Assessment of cardiac geometrical remodeling during chronic hypertension in murine pregnancy with 2D and 4D ultrasound
Ghajar-Rahimi, Elnaz	7122	Samantha Stebbings† Sarah Elizabeth Grev‡ Jake Anthony Castro‡	Cardiac Remodeling by Pressure and Volume Overload During Pregnancy
Ghanati, Mahdi	9030	Willard Gabriel Rash Cuevas† Samir Niradbhai Patel† Meghana Sunil Kumar† Jaskarandeep Kaur† Gavin Allen Arner‡ Zachary Gosnell‡ Elliott Samuel Korentager‡ Cohen Scott Meredith‡ Jakob Eric Mikolajczyk‡ Pralhad Prashant Mundargi‡ Gavin Wang‡	Refinement of Acrylic Cages for Seizure Research
Ghodsi, Zahra	1690	Chloe Lin† Sage Clysta Stefonic† Devansh Khandelwal† Nicolas Shulga†	Enhancing PPML with GPU Acceleration: Optimizing Secure Inference for Practical Use
Ghosh, Neil	1803	Junwoo Jang†	Femtosecond laser annealing of HfZrO2 (HZO) thin films: Effects on Crystallization, Ferroelectricity and Optical Properties.
Ghosh, Shreya	1136	Sarah Sawhney† Taehoon Kim† Ian Tseng† David Andrew Slater‡	Depth Estimation Model for Autonomous Driving
Ghosh, Shreya	1510	Pratham Patil† Alexander Jonathan Collins† Jeet Brahmbhatt† Neal Noel Lobo† Bobby Gu† Jake Aron Brenner†	Retrofitting Legacy ICE Vehicles for Autonomous Operation: A Systematic Integration Approach
Ghosh, Shreya	1762	Aditya Verma† Samuel Elijah Nadol† Jae Hun Oh†	Autonomous Motorsports Purdue - Electrical Team
Ghosh, Shreya	7086	Manav Nikhil Gagvani† Sangeet Mohan† Zachary Thomas Nena† Felipe da Paixao†	NeuralRace: Autonomous Racing through Neural Perception, Planning and Control
Ghosh, Shreya	7217	Sarah Sawhney† Taehoon Kim† Ian Tseng† David Andrew Slater‡	Depth Estimation Model for Autonomous Driving
Ghosh, Shreya	9039	Shishir Tumma† Aarav B Patel†	Autonomous DQN Drone
Gkritza, Nadia	1465	Christina Joslin†	Preference for Charging Station Venues – A Comparison between Electric Vehicle Users vs. Non-Electric Vehicle Users
Glenn, Caden Max	7001	Gino Christian Daniels† Alexandre M Chevalier‡ John Cheng Yu Chang‡ Benjamin Andrew Velasco‡	Research and Development towards a Carbon-Fiber wire based drift chamber for Future Lepton Colliders
Goergen, Craig	1026	Jake Anthony Castro† Sarah Elizabeth Grev‡ Samantha Stebbings‡	Left Ventricular Strain During Chronic Hypertension in Murine Pregnancy Using 4D-Ultrasound Analysis

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Goergen, Craig	1144	Samskrithi Sivakumar†	GUI-Based Segmentation and Quantitative Analysis of Aortic Aneurysms in M-Mode Echocardiography
Goergen, Craig	1651	Sarah Elizabeth Grev† Jake Anthony Castro‡ Samantha Stebbings‡	Assessment of cardiac geometrical remodeling during chronic hypertension in murine pregnancy with 2D and 4D ultrasound
Goergen, Craig	7005	Suhani Lodha† Daniel Ethan Kelley‡ Claudia Kayleen Albrecht‡ Christin Alyse Huene‡	Evaluating Blood Velocity Changes in Thoracic Aneurysm Progression for Rupture Risk Assessment
Goergen, Craig	7122	Samantha Stebbings† Sarah Elizabeth Grev‡ Jake Anthony Castro‡	Cardiac Remodeling by Pressure and Volume Overload During Pregnancy
Gong, Boxi	1022	Lindsay Rebecca Brncick† Julia Lynn Flowers‡	Measuring the Immune Response in Mouse Tumor Models Treated with Attenuated Salmonella Anticancer Bacteria Strains
Gonzalez, Marcial	1461	Prashant Iyer†	Using neural networks to predict microstructure evolution in granular materials
Good, Allie McCain	7061	Mia An-Mei Schmetter† Abigail Foley*	Effects of Hearing Impairment and Cognitive Load on Postural Sway
Goppert, James Michael	1007	Nathan James Arnold† Parth Kailash Dubal† Victor Ionut Ene‡ Natasha Rajendrara Gundapaneni‡ Shelby Grace Britton‡ Ty Dean Frederick‡ Harshavi P Birla‡ Bhaskar S Patke‡ Hailey Danae Manuel‡ Nikolai Lyubomir Tesla Auclair‡ Yash Agnihotri‡	Emergency Response Drone for Narcan Delivery
Goppert, James Michael	1653	Natasha Rajendrara Gundapaneni† Kanav Atre† Hanqin Zhai† Shreyansh Tehanguria† Nathan James Arnold* Yash Agnihotri* Bhaskar S Patke* Hailey Danae Manuel* Harshavi P Birla* Nikolai Lyubomir Tesla Auclair* Parth Kailash Dubal* Shelby Grace Britton* Ty Dean Frederick* Victor Ionut Ene*	Biomedical Drone for Narcan Delivery
Goppert, James Michael	1679	Arthur Wesley Kron† Abdullah F A Y Alsadi† Maxwell Christophe Sprague† Saif Ali Jalal† Vikramaditya Baid† Alexander Kmetko‡	CogniPilot
Goppert, James Michael	1740	John Henry Slater† Natalia Zagata† Braden Thomas Callaway† Lillian Ji† Jonathan George Cats† Anish Paspuleti†	Autopilot Integration for Lightweight Unmanned Fixed Wing Aircraft in PURT Testing Facility

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Gordon, Alexander Kevin	7088	Manya Devang Kadiwala† Shruti Subramaniyan† Adriana K Sanchez‡ Brasen Paul Garcia‡ Nitya Manish Jhaveri‡ Vijay Muthukumar‡ Mia Constance Schecter‡ John Michael Peters‡ Micah David Ambrose‡ Ryan Arthur Sidney Grenier‡ Emirhan Gunes‡ Mark T Crooks‡ Nathanael Robert Herman‡ Arabella Leia Crivello‡ Elizabeth Xian-Hui Kung‡ Sonali Garg‡ Cole Anthony Massie‡ Ryan Charles Deangelis* Emma M Horn* Swastik Patel* Luke Powell Williams* Simone Xin Moulton* devyani tyagi* Spruha Jigar Vashi*	ASTRO-USA: Analog Simulation Training and Research Outpost Utilizing Self-Sustaining Architecture
Gotway, Kirstin Marie	1070	Jarren Haggard†	Elements of Art: pXRF Testing and Exhibition of Purdue
Goulet, Timothy L	1009	Adam Daniel Aufderheide†	An Automated Blender-Python-MATLAB Pipeline for Testing Visual Navigation Algorithms
Gounder, Rajamani P	1324	Aakash Sanjay†	Post-Synthetic Phosphorus Modification for Enhanced Hydrothermal Stability of Acid MFI Zeolites
Gouri Prabhakar, Gouri	1430	Kerstin Ariel Cox† Parth Thakre‡	Wildfire Impact on Air Quality: A Case Study of Isle Royale, Michigan in 2023
Gouri Prabhakar, Gouri	7076	Parth Thakre† Kerstin Ariel Cox‡	Wildfire Impacts on Air Quality in the Midwestern United States
Gozzi, Fanny Geraldine Patricia	7201	Shams Adigozalzade†	Trust in the Food Supply Chain: Pre- and Post-Survey Analysis of Poisoned's Influence on Young Adults
Grama, Ananth Y	7056	Bharath Anand†	BrainTrain: Human Behavior Alignment Improves the Robustness of Neural Networks
Green, Conor James	1143	Devin Singh† Michael Jeffery Dick† Andrew Michael Lykken† Luca Renato Simoni†	A Chiplet Communication Protocol for Post-Tapeout Heterogeneous Integration
Green, Leopold Noel	1048	Michael Stuart Dickinson† Eric Tate Vasser†	CRISPR Nanocarriers: Developing a Novel Method of Genome Engineering Using DNA Nanocage-Based Delivery of EnAsCas12f and CRISPR Associated Components
Green, Leopold Noel	1139	Prisha Nitin Shethia†	Design of Logic-Based Genetic Circuits Using RNA Aptamers for Inflammatory Bowel Disease Biomarker Response.
Green, Leopold Noel	1705	Augustine Levi Muskat†	Engineering Cells to Decrease Autoimmune Response in Relation to Hashimoto
Grier, Thomas Ray	1708	Drew Thomas Novak†	Advancing the use of X-Ray Fluorescence in obscured lead pipe detection
Grossi Ferrarezzi, Cristiane	1624	Christopher Felipe Chavarria† Samuel Andrew Spears‡	The Effects of Oil Contamination on Baby Products
Gu, Yan	1407	Annalise Marie Baniecki†	Development and Testing of a Footstep Planner Simulation Platform for Robust Quadrupedal Locomotion on Dynamic Surfaces

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Guberman, Daniel A	1322	Emma Krista JiaFu Runyan† Jimena Avalos-Hernandez*	The Hardships of the "Brightest": An Investigation Into the Unhealthy Relationship Between High-Ability Students and Academics
Guerrero Montalvan, Marcelo Inaki I	1042	Therese Richelle Cunanan† Kyle Kai-Yuan Han† Sabrina Michelle Hardy†	Impact of Arthrobacter Phage Genome Frameshift on Function and Protein Structure Prediction
Guerrero Montalvan, Marcelo Inaki I	1065	Bhoomika Kumar Gowda† AJ DiAndreth† Milena Campos Prada†	Predicting The Functions of Hypothetical Proteins Using Pymol and Alphafold
Guerrero Montalvan, Marcelo Inaki I	1201	Leilani Grace Agngarayngay† Julia Lauren Marino† Samhita Mysore Shantharam† Alexis Lucille Ador Bernal†	Bacteriophage Skitty: A Comparative Study Between the MicroProtein Gene 73 and Defined Gene 56
Guerrero Montalvan, Marcelo Inaki I	1258	Manya Devang Kadiwala† Abigail Nguyen Origer† Collin Jayson Kao† Elyse Youngstedt†	Investigating Protein-Protein Interactions for Functional Assembly in Actinobacteriophage GoldDust
Guerrero Montalvan, Marcelo Inaki I	1331	Ranen Kaiser Shakir† Eric Tate Vasser† Lauren Elizabeth Bhat† Isaac Brennan Schantz†	Molecular CSI: An Integrated Workflow Using AI-Driven Structural Modeling and Domain Microanalysis for Hypothetical Protein Annotation
Guerrero Montalvan, Marcelo Inaki I	1453	Ash Hallissey† Joshua Edward Sheldon† Ekagrah Kumar† Sara Thomason†	Comparative Analysis of Bioinformatic Programs for Bacteriophage Protein Structure and Function Homology
Guerrero Montalvan, Marcelo Inaki I	1471	Lillian Grace Knight† Michael H Wang† Reina Cristine Perl† Sabina Anna Mazur† Madeline Marie Peterson†	Exploring the Gap Moe: Analyzing Unknown Functions of Gaps in Bacteriophages AdaS and MellowYellow
Guerrero Montalvan, Marcelo Inaki I	1515	Mia Cynthia Pfeiffer† Lauren Marie Schinker† Erin E Chapmond† Kole Allen Luckett†	Close Calls: Evaluating Auto Annotation Accuracy in GeneMarkS and Glimmer in Bacteriophage Genomes
Guerrero Montalvan, Marcelo Inaki I	1607	Isaac Robert Bailey† Owen Louis Hoerner† Saydie Ann Bannister Hannah† Katy Brauer†	Fold and Behold: Predicting Protein Functions with Structural Models
Guerrero Montalvan, Marcelo Inaki I	1612	AnnaBella Marie Brown† Delilah Ruth Flora† Pooja Sriram† Madelyn Clair Watson†	Resolving Gene Prediction Discrepancies: Comparing Glimmer and GeneMark in Bacteriophage Genome Annotation
Guo, Haohan	1256	Parker Joseph Jeffrey†	SCALE HI-AP: Thermo-mechanical Reliability of Metal Embedded Chip Assembly (MECA) Package
Guo, Qi	1422	Alan Chi†	SLM Research for Computer Vision
Guo, Qi	1446	Alan Fu† Thomas William Concannon† Emma Lynn Stump† Chewon Yu Park† Neal Sai Singh†	Low Power Depth from Differential Defocus
Gupta, Aslesha	1670	Meha Raagani Kavoori†	A Psychometric Evaluation of the PHQ-8A Among Adolescents in Military Families
Gupta, Vanshika	1517	Sadie A Poirier† Yashvi Choudhary‡	Electrochemical Aptamer Sensor Fidelity in Complex Blood/ Serum Solutions
Gupta, Vanshika	7040	Sirish Meher Reddy Kayam†	Optimizing Platinum Nanoparticle Deposition for Enhanced Stability in Electrochemical Aptamer-Based Sensors
Gutierrez, Eric	1090	Joshua Dongjin Kim†	Impact of a RAGE antagonist on tendon biomechanical properties in a mouse model of type 2 diabetes

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Gutierrez, Eric	1496	lauren Mitevski† Matthew Addison Fortino‡	Patellar Tendon biomechanical properties and serum markers in adults with Type II Diabetes
Gutierrez, Eric	1660	Aidan Thomas Hopwood† lauren Mitevski‡	Patellar tendon biomechanical and morphological properties in young and older adult women
Gutierrez Schultz, Victor Anthony	1513	Mateo Perroud†	Role of Histone Modifiers in Pathogenesis and Drug Resistance in C.glabrata
Haddad, Jeffrey M	7061	Mia An-Mei Schmetter† Abigail Foley*	Effects of Hearing Impairment and Cognitive Load on Postural Sway
Hadi, Maryam	1318	Ava Grace Reynolds†	Tobacco Perceptions and Abstinence Intentions Among Caribbean Adolescents: Through the Lens of the Health Belief Model
Hadisurya, Marco	7022	Nathan Xuheng Li† Vatsal Sanjeevkum Dudhaiya† Tingyu Yin† Rachel Catherine D'Souza† Purav Matlia† Isaac Kojima Shane†	Streamlining Proteomics Data Analysis: A Full-Stack Application and Statistical Pipeline for Enhanced Accuracy and Interpretation
Hagedorn, Isaac P	1219	Siddarth Balaji Calidas† Andrew James Larkins‡	System-on-Chip Verification - Applying UVM to Verify RTL Designs
Hagedorn, Isaac P	1753	Parin Paresh Timbadia†	Designing and Developing a UVM Environment to Verify a Digital Counter
Hale, Melissa E	1758	Christian R Tomao† Gabrielle Elizabeth Layman*	Leveraging Game Mechanics for STEM Education: Enhancing Engineering Skills Through the Pac-Man Robotics Challenge
Hale, Melissa E	7221	Christian R Tomao† Gabrielle Elizabeth Layman*	Leveraging Game Mechanics for STEM Education: Enhancing Engineering Skills Through the Pac-Man Robotics Challenge
Hall, Mark C	1657	Nathan Michael Henderson†	Cdc14 Targeted Antifungal Drug Discovery
Han, Hyunsup	1137	Abigail Wang Schroeder† Hannah Faith Abdon‡	Genetically engineering Anti-HER2 Car-Macrophages and in-vivo optical imaging of 4T1.2-HER2T breast cancer mouse model treated with bacteria-enhanced immunotherapy
Han, Hyunsup	1200	Hannah Faith Abdon† Abigail Wang Schroeder†	CAR-Macrophage engineering to treat immunologically cold breast cancer in VNP20009 bacteria-enhanced immunotherapy
Hannah, Ashley Jean	1109	Jacob Alan Malone† Katelyn Riddle‡	Does Airplane Pollution Elevate Elemental Lead Concentration in Soil?
Hannah, Ashley Jean	1531	Katelyn Riddle† Jacob Alan Malone‡	Assessing Arsenic Contamination in Soil: A Secondary Analysis of Airport Site Data
Harlan, Richard D	1278	Gangsan Lee† Jozue Kim† Brian Martin Dodd† Ella Gores† Haneul (Sky) Kim† Sang Soo Ha†	Metal-Insulator-Metal Capacitor SPC - MIM3
Hashemi, Abolfazl	1055	Jiaming Fang†	Design and Development of the Super Capacitor Project for Extra Robot Chasis Power
Hashemi, Abolfazl	1487	Jessica Frances Lyng†	Code and Development of Radar Sensors for Environment Feedback
Hashemi, Abolfazl	9042	Qinjia Xu† Xiang Fang‡	Robot Arm
Hastreiter, Travis James	1079	Jack William Hulbert† Shaun Nethan Artzi† Matthew Robert Dillman† Yanchen Liu† Adam David Rushdy† Andrew Alberto Fontanetta‡ Truman Quincy Howerton‡ James Shim*	Development of Synodic Orbit Cycler Targeting the Trojan Asteroids of the Sun-Jupiter L4 Lagrange Point

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Hastreiter, Travis James	1292	Krish Samir Mehta† Evan Clark Paull† Conner M Winchester† Sloan Bennett McDonald† Apoorva Bahl† Kaushik G Vudathu‡	The Effect of Solar Radiation Pressure and Solar Activity Cycles on the Orbital Precession of Satellites
Hayes, Andrea M	1061	Rebecca Gao† Ruchi Rajesh Patel‡ Tricia Isabel Sy‡ Lourdes Olivia Bengero‡	Community health workers in supporting lung cancer screening in the United States: A systematic review
Haynes, Linda E	1084	Mert Karabulut†	Evaluating AI's Ability to Detect Literary Symbolism
Haynes, Linda E	1123	Valentina Victoria Sienna Perera†	Impact of Various Songs as Waking Stimuli on Female College Students
Haynes, Linda E	1128	Grant Pryor†	Expected Value Returns when Sports Betting with Probability and Statistics
Haynes, Linda E	1245	Walker Kumar Gollapudi†	Designing and Integrating Biologically Realistic Neuron Models into Artificial Neural Networks: Impacts on Efficiency, Robustness, and Interpretability.
Haynes, Linda E	1320	Samuel Carter Rolley†	Fast and Accurate Estimates: Leveraging Digital Technologies for Construction Estimating
Haynes, Linda E	1322	Emma Krista JiaFu Runyan† Jimena Avalos-Hernandez*	The Hardships of the "Brightest": An Investigation Into the Unhealthy Relationship Between High-Ability Students and Academics
Haynes, Linda E	1353	Vedant Vrattikoppa†	The Computational Implications of Lambda Calculus
Haynes, Linda E	1458	Isabelle Patricia Hopf†	The Correlation Between Lead Exposure and Preeclampsia in Pregnant Women
Haynes, Linda E	1479	Zubin Lee†	The Benefits of Bilingualism in a Globalized World
Haynes, Linda E	1532	Max A Ringger†	Rethinking Police Training to Prevent Deadly Force
Haynes, Linda E	1540	Karthik Selvaraj†	The Statistics Behind Fantasy Basketball: A Deep Dive into Category Leagues
Haynes, Linda E	1543	Tyrone John Shields†	Balancing Authority and Authenticity
Haynes, Linda E	1561	Madeline Rose Wanninger†	Differing Roles of Pediatric Physical Therapy in Children with Neurological Disorders
Haynes, Linda E	1567	Alexandra M Wildridge†	The Fight for Gender Equity in Drug Trials
Haynes, Linda E	1632	Freya Jayden D'Souza†	Topological Qubits: The Future of Quantum Computing
Haynes, Linda E	1634	Cohl Cortland Erwin†	The Next Era of Dentistry
Haynes, Linda E	1641	Scott William Fusco†	Actuaries and AI
Haynes, Linda E	1672	Roshan Khan†	The Application of AI Tools in Cancer Research
Haynes, Linda E	1701	Jenna Mesker†	How Should Parents Get Involved in Their Child's Education
Haynes, Linda E	1754	Isaac Robert Timmer†	Actuarial Science for Risk Mitigation and Economic Resilience in Developing Countries
Haynes, Linda E	1771	Lillian K Wong†	Determining the Best Way to Teach Mathematics to High School Students
Haynes, Linda E	7127	Akshith Garapati†	Enhancing Low-Resource Machine Translation Using Synthetic Data Augmentation
Haynes, Linda E	8010	Aastha Rasesh Patel†	Physics of Speech Perception: Cross-Linguistic Variations in Vowel Frequency Discrimination
Haynes, Linda E	8016	Mia An-Mei Schmetter†	The Intersection of Motivation, Community, and Happiness
Hazbun, Tony	1648	Kody Glithero† Audrey Elizabeth Ortman†	Assessing N-terminal methylation in the yeast stress response
He, Qiuhong	1022	Lindsay Rebecca Brncick† Julia Lynn Flowers‡	Measuring the Immune Response in Mouse Tumor Models Treated with Attenuated Salmonella Anticancer Bacteria Strains

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He, Qiuhong	1137	Abigail Wang Schroeder† Hannah Faith Abdon‡	Genetically engineering Anti-HER2 Car-Macrophages and in-vivo optical imaging of 4T1.2-HER2T breast cancer mouse model treated with bacteria-enhanced immunotherapy
He, Qiuhong	1200	Hannah Faith Abdon† Abigail Wang Schroeder†	CAR-Macrophage engineering to treat immunologically cold breast cancer in VNP20009 bacteria-enhanced immunotherapy
He, Qixin	1211	Sarah M Bennett†	A Genomic Analysis of Global House Dust Mite Allergen Diversit
He, Zijian	1487	Jessica Frances Lyng†	Code and Development of Radar Sensors for Environment Feedback
He, Zijian	9015	Kai-Neng Lin†	Design and Optimization of a Rapid-Fire Projectile Launching System for Combat Robotics
He, Zijian	9023	Xin Jue B. Bhaisajay Ng†	Custom Motion Controller with IMU for Robotic Arm Applications
He, Zijian	9042	Qinjia Xu† Xiang Fang‡	Robot Arm
Hearn, Chase Taylor	1050	Maren Michele Eaton† Claire Elizabeth Nowak‡ Eleanore Margaret Malinowski‡	Coniferyl alcohol rescues aberrant root development phenotypes of Arabidopsis lignin mutants
Hegazy, Hosam	1462	Tanay Jain† Inaki Garcia Barcena Garcia† Jennifer Yunning Lu†	AutoIC - Integration of BIM for Bridge Modeling
Heil, Brittany Nicole	1263	Emma Frances Kay† Ella Rose Deanne Chianis‡	Comparing the Role of PP2A-B56a and PP2A-B55a Activation in EGFR Signaling in PDAC
Hein, Timothy Francis	1088	Dhruv Roopchand Khatri† Tri Than†	DDR4 DRAM Controller Design for Accelerated Matrix Processor
Hein, Timothy Francis	1110	Antonios Maniatis†	SRAM on a System-on-Chip
Hein, Timothy Francis	1288	Leo Pearson Malachowski† Pei-Chi Liu†	Power Integrity Analysis for Post-Layout VLSI Design
Hein, Timothy Francis	1301	Thomas Munson† Kyle Zhen-Han Wang† Jake Robert Zegger† Daniel EnYi Yang†	FPGA Area Optimization
Hein, Timothy Francis	1315	Soham Rattan†	Benchmarking and Analyzing Machine Learning Workloads for Hardware Optimization
Hein, Timothy Francis	1316	Alexander Repikov†	SoCET HAPS
Hein, Timothy Francis	1506	Tei Okamoto† Cameron Thomas Patt†	DFT and LEC for AFTx07+
Hein, Timothy Francis	1560	Minghan Wang† Asavari Deshmukh† Yash Singh†	Physical Design Verification for a System on Chip
Hein, Timothy Francis	1571	Robert Yida Zhang† Nathan Nanchuen Yu†	SoCET Synopsys Flow & Memory Compiler
Hein, Timothy Francis	1626	Vihaan Reddy Chinthakindi†	Integrating PyTorch with a custom accelerator
Hein, Timothy Francis	1752	Levi J Thompson†	Integrating Crosstalk Analysis into SoCET's Design Flow
Hein, Timothy Francis	7016	Ammar M Mukadam†	Power, Performance, and Area Optimization of SoCET's AFTx07 Chip
Helie, Sebastien	1205	Maria Paula Armenta†	Risk, Reward, and Frustration: What Drives Decision-Making?
Henderson, Gregory C	7062	Yen-hsi Lai†	Ultrastructural Characterization of White Adipose Tissue in Albumin Knockout Mice
Herchenbach, Patrick James	1162	Amber K Wang†	Probing Mass Transport in an Acoustically Levitated Droplet with Novel Electroanalytical Techniques

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Hernandez Alvarado, Rick Obrian	1244	Alejandra Maria Garavito† Shayna Jayne Morris†	Evaluating the effects of genomic selection for heat stress tolerance on the behavior of in utero heat stressed piglets after weaning and transportation.
Hicks, Talon	7063	Shreya Krishnan†	In Silico Analysis of Calmodulin-Calcium Binding Sites and their effects on Adenylyl Cyclase 1 Activation
Hill, Megan Leigh	1222	Daniel Michael Carrel†	Multiphase Electrochemiluminescence Microscopy of Competitive Reactions
Hoda, Smriti	1513	Mateo Perroud†	Role of Histone Modifiers in Pathogenesis and Drug Resistance in C.glabrata
Holcombe, Michele L	1637	Piper Jade Feese† Natalie Corrine Marraccini† Ciara N Worthey†	Remember? Understand? Coding an Exam's Difficulty
Holloway, Beth M	1236	Amanda Heidi Feeley†	The Effect of COVID-19 on Second-Year Engineering Students
Holloway, Eric A	1236	Amanda Heidi Feeley†	The Effect of COVID-19 on Second-Year Engineering Students
Holly, Katrina Jeanae	1277	Zane Anthony Lark†	Evaluation of Inhibition Concentration, Solubility, and Metabolic Stability Data for Covalent Antimalarial Analogs
Hood, Kaitlyn T.	1264	Alexander G Kelley†	Modeling Deformable Cells Using Spherical Harmoics
Hoon, Fan Jing	1094	Saandiya KPS Mohan† Vinay Pundith* Charles James Wagner*	Accelerated Matrix Processor - Convolution Acceleration Architecture
Horgan, Briony H	1402	Chandler Albright†	MINERAL DIVERSITY AND IMPACT MELTS IN CRATER CENTRAL PEAKS ON MARS
Horgan, Briony H	7107	Samuel Garrison D Singer† Matthew B Winter‡ David Matthew Moore‡ Aksh Sandeep Iyer*	USING TOPOGRAPHY TO SEARCH FOR STRATOVOLCANOES ON MARS: RESULTS FROM THE JEZERO AND NE SYRTIS REGION
Horton, William Travis	1298	Seyed Kiarash Mossalaei† Gregory OHanian† Lexing Xu† Zaki Akhter Husain† Conner Walter MacDonald†	The Development of a Thermostat Environmental Emulator With humidification and Dehumidification Capabilities.
Horvath, Aidan Patrick	7200	Shikha Adhikari† Kelly Marie Curry†	A novel self-entry restraint device for low-stress handling of mice
Hoskins, Tyler D	1507	Rachel Christine Quisil Ordiales† Sadie Grace-Lucero Keegan†	Distribution of Biosolid-Impacted Recreational Farm Ponds Contaminated with Per- and Polyfluoroalkyl Substances (PFAS) in Indiana
Hoverman, Jason T	1059	Jonathan Lester Flinn†	Sublethal Impacts of Bio-Ex ECOPOL A 3%, a Fluorine-Free Foam Alternative, on American Bullfrog Larvae (Lithobates catesbeianus) activity.
Howarter, John	1005	James Gavin Anzaldi†	Elastically Recoverable Dynamically Vulcanized Polymer Blend Nanocomposites
Hoyos Moreno, Andres Felipe	1268	Junyoung Kim† Christian A Choi† Aroldo Fernando Lugo Quintanilla† Nicholas Gentry Viardo†	Racing Line Optimization with Adaptive Grip Estimation
Hoyos Moreno, Andres Felipe	1469	Azain Khalid† Ritwik Suresh Jayaraman† Pranav Vijay Kumar† Khoi Xuan Mai† Jake Alan Patterson†	Raceline Optimization in Autonomous Racing using Quantum Annealing
Hoyos Moreno, Andres Felipe	1485	Austin S Lugo† Emily Song† Shivani Sinha† Shreya Shrikrushna Pulujkar† Alexander Popescu‡	Data Transformation and Cleaning for Autonomous Vehicles: Ensuring Compatibility with AV-24 Platform and Enhanced Performance on Deep Neural Networks

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Hoyos Moreno, Andres Felipe	1801	Justin Zijie Gan† Yu-Shing Chen† Greer Thomas McDevitt†	Camera Lidar Fusion Perception Pipeline
Hoyos Moreno, Andres Felipe	7072	Myron Milad Tadros† Abdelrahman Ahmed Safw Eissa† Ahmed Sayed Omar Omar† Bola Yosry Zaky Warsy† Omar Ahmed Roshdi Badawi Abousheishaa† Rohin Rajesh Nair†	Real-Time Agent Motion Prediction and Overtaking in Multi-Agent Autonomous Racing Using Deep Neural Networks
Hu, Rongbo	1487	Jessica Frances Lyng†	Code and Development of Radar Sensors for Environment Feedback
Hu, Yifeng	1069	Jarren Haggard† Juniper Rodriguez†	The Boilermaker Food Security Project: Multidimensional Analysis of Campus Food Experiences
Hua, Inez	7069	Isha Shamim† Jaewon Cho†	Synthesizing and Understanding Facility-Level Water Consumption Datasets in Computing at Scale
Huang, Feichi	1278	Gangsan Lee† Jozue Kim† Brian Martin Dodd† Ella Gores† Haneul (Sky) Kim† Sang Soo Ha†	Metal-Insulator-Metal Capacitor SPC - MIM3
Huang, Feichi	1663	Chun-Kang Huang† Pin-chen Su† Aadi Hsien-Lin Wu† Ying-Wei Lin† yoshiki takeuchi†	Techniques for Secure Integration of Commercial Dies into Silicon Substrates for Heterogeneous Integration in Low Earth Orbit Applications
Huang, Feichi	1686	Ho Jun Lee† Romy Kim† Cecilie Reingaard Wiuff† CHO-YI HSIEH† Jou-Ting Lai† Aditi Magesh† Stuti Rastogi†	2.5D Advanced Packaging: Fabrication of Silica Glass Interposers for Chiplet Integration
Huang, Rong	1423	Yoonjung Choi†	Evaluating the Efficacy of Protein Arginine Methyltransferase (PRMT5) Inhibitor in Castration-Resistant Prostate Cancer (CRPC)
Huang, Yuning	1747	Soneya Tamang†	Timing and Duration of Eating by Self-Report and Self-Taken Images and Its Link to Environmental Factors
Huang, Yunmei	1464	Yuexin Jiang†	Individual Tree Detection using deep learning models with UAV-Based images in Mixed Forests
Hubach, Randolph Duane	1309	Alana Powell†	Perspectives towards DMPA-SC (Depo) self-administration among Black women
Huby, John Alexandre	1802	Ethan Ray Liao†	Development of an Experimental Setup to Investigate Commercial Refrigeration Systems with Low-GWP Refrigerants
Hummels, David L	1220	Rebecca Grace Caliendo† Nayfa Johan†	Decoding College Costs: How Are Rising Tuition Prices Shaping Access and Profit?
Hung, Chen-Lung	1241	Joshua Matthew Friedman†	Beam Shaping for Vortex Solitons in a 2D Cesium BEC
Hutchins, Benjamin Lee	9000	Eshaan Agarwal†	Modular Soft Assemblies with Independent Cells
Hynes, Morgan M	1480	Philip Hwanseo Lee† Sophia Moon‡ Vishwajit Laxmanrao Patil‡ Jeevika Rajesh Purkar‡	Purdue Ivy Tech Chips Program Analysis Project

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Hynes, Morgan M	1499	Sophia Moon† Jeevika Rajesh Purkar‡ Philip Hwanseo Lee‡ Vishwajit Laxmanrao Patil‡	Purdue Ivy Tech Chips Program Research Project
Hynes, Morgan M	1713	Vishwajit Laxmanrao Patil† Sophia Moon‡ Jeevika Rajesh Purkar‡ Philip Hwanseo Lee‡	PITCH Program Analysis
Ikoh, Anamano Editi	1807	Clifford Walter Gamble† Jamie Chanadol Henson* Victor Ionut Ene*	In Air Battery Swapping
Ingwell, Laura L	1204	Isabela I Arias†	The role of weeds as a non-crop habitat for aphid pests in high tunnel systems
Ingwell, Laura L	1553	Sydney Anne Territo†	Tomato pinworm (Keiferia lycopersicella) distribution and location analysis in Indiana High Tunnels
Innis, Sarah M	1165	Jonica Lynn Wooton†	Detecting SARS-CoV-2, CPV, and CDV in River Otters Using qPCR
Irizarry Tardi, Nicole	1024	Alvin Cai† Luke Wilson Heymann†	A Next-Generation Probiotic Strain Promotes Epithelial Wound Healing (Repair) after Physical Damage In Vitro
Isrrael Teran, Miguel	9002	Pranav Bantval† Arnav Pravinkuma Namdev† Advay Welling† Jai Anand Keskar† Minh Huy Nguyen†	Matrix Multiplier Engine
Isrrael Teran, Miguel	9007	Matthew Du† Jeet Chandresh Jagad† Amogh Shivanand Havanagi† Lucas Michael Mallen† Nicholas Zhang†	Computational Arithmetic Logic CALC (CALC)
Isrrael Teran, Miguel	9008	Genci Duraku† Arjun Julius Siderys† Jack Spenser Zimmerman† Arina Harlanovich† Noah Everett Desserich† Austin Salomon Guerrero†	Digital Stopwatch
Ivester, Kathleen M	1643	Alyson Renae Galey†	The effects of omega-3-polyunsaturated fatty acid (PUFA) supplementation on asthma-prone racehorse performance
Iyer, Vea	1535	Vishruth Satuloori†	Annealing Solutions for Large-Scale Nanophotonic Design Spaces.
Jacobson, Maxwell Joseph	7075	Daniel C Xie†	Reducing Hallucination in LLM-based Scientific Literature Summarization Using Peer Context Outlier Detection
Jagadeesha, Nishchal	1272	Avery Kruppe†	Exploring Older Adults' Privacy Concerns In Robot-Mediated Data Collection
Jagannathan, Suresh	1820	Kartavya Vashishtha†	A monotonicity-inspired optimization for the three-way merge in Mergeable Replicated Datatypes
Jahangir, Jabir Bin	1573	Kira Xinran Zhong†	Solar Energy Map of Mars: Modeling PV Energy Yields on Mars
Jahangir, Jabir Bin	9006	Akash Narasimha Darbha† Henry George DeRyke†	ABC-PV: miniaturized agrivoltaic model for simulating full-sized installations
Jaiswal, Aparajita	1468	Saachi Katariya†	Engineering Leadership: A Systems Approach to Collaboration and Communication
Jaiswal, Aparajita	7045	Jose Jorge Bueso† Vidya Reddy Madana†	Human vs. AI: Efficacy of LLMs in Performing Thematic Analysis
Jaiswal, Natasha	1283	Nathan Roger Lin† Annabella Mei Lau† Amanda Lynn Spanier‡	The Role of AKT and Skeletal Muscle in The Maintenance Of Neuromuscular Junction Plasticity

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Jaiswal, Prateek	7045	Jose Jorge Bueso† Vidya Reddy Madana†	Human vs. AI: Efficacy of LLMs in Performing Thematic Analysis
Jajal, Purvish Jatin	1737	Christopher Michael Sigmund† Rohan Chandra Mudugere† Ivan Ni† Shrenick Sri Venkata Sai Gannamani† Lingyu Li† Donhyung Ko†	Auto ONNX Tester
James, Nicholas William	1746	Nick Taha† Pierce Yungjoon Johnson† Rishikesh Reddy Bathina† Argha Badhon Saha† Fan Jing Hoon‡	Accelerated Matrix Processor (AMP) - Scheduler Core
Janis, Amy	7043	Frances Margaret Bajorat†	The Inclusive Space Project: Adapting Physical Lab Spaces to Serve All Students
Janis, Mark	1704	Lucia Aurora Morton†	Interpreting the Artemis Accords: A Case Study on Safety Zones and International Space Law Discourse
Janis, Mark	9004	John Lance Clark†	The Geopolitical Struggle for Space Governance and Safety Zones
Jenckes, Charles Holliday	7090	Xiaoyang Yu†	Single-Wheel Omnidirectional Drive
Jenkins, Jonathan B	1562	Bruce Daniel Ward† Rachel Pinto†	Responses To Transposition In Carolina Chickadees (Poecile carolinensis) Of Central Indiana
Jensen, Clare	1051	Shawna Lynn Edmiston†	Service Dogs for Military Veterans with PTSD: Research Design and Initial Data Collection for a Randomized Clinical Trial
Jeong, Sooyeon	1272	Avery Kruppe†	Exploring Older Adults' Privacy Concerns In Robot-Mediated Data Collection
Jiang, Boyu	1134	Shanlin Ruan†	Identifying sex-dependent metabolic signatures in IBD
Jiang, Jing	1555	Surya Pratheek Turaga† Margaret H Prokopy† Maria Therese Kufahl† Vishakh Menon†	Wearable Electrochemical Sensors for Proactive Personalized Health
Jiang, Jing	7004	Philip R Liu† Richard John Silvester† Aadi Jangid‡	Adaptive Speech Reconstruction Interface with AI (ASRIA): A Wearable-LLM Framework for Aphasia Rehabilitation
Jiang, Jing	7133	Surya Pratheek Turaga†	Integrating Wearable Technology for Electrochemical Sensor based Remote Health Monitoring
Jiang, Yiying	8007	Paige Katherine Doyle† Adam Wesley Buehrer† Hannah Marie Marlowe†	Rethinking Control Groups in L2 Pronunciation Research: Insights from a Systematic Review
Jin, Qingchun	1318	Ava Grace Reynolds†	Tobacco Perceptions and Abstinence Intentions Among Caribbean Adolescents: Through the Lens of the Health Belief Model
Jo, Soo Jung	9019	Alexander McQuade†	Changes in rural healthcare provider vaccine opinions after the COVID-19 pandemic: A mixed methods study
Jo, Wooyong	1339	Elliott Jameson Soderberg†	Decoding the Future: The Impact of Generative AI on Coding Education and the Programming Job Market
Johns, Cortland Hannah	7005	Suhani Lodha† Daniel Ethan Kelley‡ Claudia Kayleen Albrecht‡ Christin Alyse Huene‡	Evaluating Blood Velocity Changes in Thoracic Aneurysm Progression for Rupture Risk Assessment
Johnson, Alexandria Vincenza	1502	Rowan Nag†	Moon Clouds? Modeling an Ancient Lunar Atmosphere with Photochemical & Climate models

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Johnson, Alexandria Vincenza	7125	Frances Geraldine Johnson† Jacob David Dorson‡	Physical Characterization of Atmospheric Microplastics in Precipitation
Johnson, David R	1104	Brenna Kari Losch†	A Machine Learning Approach to Estimating Evolving Flood Hazards
Johnson, Lucas	7085	Laurian Kate Lien†	Adaxial versus Abaxial Translocation in Dicots for Organic Nanocarriers Produced via FNP
Johnson, Mark	1043	William Rowan Cunningham† Kathy Niu†	Supervisor for Embedded Systems
Johnson, Mark	1060	Manuel Ashraf Melad Gad† Kerollos Ehab Matta Yanny†	Design and Implementation of a 2.4 GHz Local Oscillator for Energy-Efficient Wi-Fi RF Receivers in Low-Power Applications
Johnson, Mark	1088	Dhruv Roopchand Khatri† Tri Than†	DDR4 DRAM Controller Design for Accelerated Matrix Processor
Johnson, Mark	1094	Saandiya KPS Mohan† Vinay Pundith* Charles James Wagner*	Accelerated Matrix Processor - Convolution Acceleration Architecture
Johnson, Mark	1099	Bradley Reed Lawrence†	I2C Verification Using Universial Verification Methodology
Johnson, Mark	1143	Devin Singh† Michael Jeffery Dick† Andrew Michael Lykken† Luca Renato Simoni†	A Chiplet Communication Protocol for Post-Tapeout Heterogeneous Integration
Johnson, Mark	1202	Fatma Mohamed Ahmed Youssef Alagroudy† Yara Ahmed Mohamed Abbas†	SoCET I2C Controller Design
Johnson, Mark	1219	Siddarth Balaji Calidas† Andrew James Larkins‡	System-on-Chip Verification - Applying UVM to Verify RTL Designs
Johnson, Mark	1228	Daniel Choi† Hassan Al-alawi† Hunter A Mccollough† Justin Yasuumi† Armaan Kanchan† Jerry Ronald Chen† Viet Khoi Pham Khac† Shresth Mathur† Abhiram Saridena† Muhammad Zohaib Ali†	Integrating SIMT and Scalar Cores to Manage Control Flow Divergence
Johnson, Mark	1288	Leo Pearson Malachowski† Pei-Chi Liu†	Power Integrity Analysis for Post-Layout VLSI Design
Johnson, Mark	1290	Aidan Michael McDonough† Daeun Kim† Eshan Mathur† Puthimet Kitjaruwankul† Dhruv Roopchand Khatri*	CRC Accelerator for the AFTx07 System on Chip
Johnson, Mark	1316	Alexander Repikov†	SoCET HAPS
Johnson, Mark	1418	Enrique Camacho† Haruna Kawai† Chase John Grimm† Yilin Xu‡	Designing Standard Cell Library using Open-Source Software
Johnson, Mark	1506	Tei Okamoto† Cameron Thomas Patt†	DFT and LEC for AFTx07+
Johnson, Mark	1541	Aiden Hughes Sexton† Tushar Singh† Hojun Choi† Dhruv Dipesh Shah†	FatFs Kernel for AFTx07+ Microcontroller
Johnson, Mark	1560	Minghan Wang† Asavari Deshmukh† Yash Singh†	Physical Design Verification for a System on Chip
Johnson, Mark	1570	Cecilie Zhang† Renzhi Yongtian† Atharva Umesh Bhide†	Development and Testing of the QSPI on FPGA

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Johnson, Mark	1571	Robert Yida Zhang† Nathan Nanchuen Yu†	SoCET Synopsys Flow & Memory Compiler
Johnson, Mark	1626	Vihaan Reddy Chinthakindi†	Integrating PyTorch with a custom accelerator
Johnson, Mark	1698	James Russell Mareachen† Nandan Varma Uppalapati† Andrew Joseph Cali† Duc Pham Minh† Avanish Karlapudi†	SoCET: AXI Project
Johnson, Mark	1703	Christopher Daniel Miotto† Joseph Alan Ghanem† Chase Yungmin Johnson†	Accelerator Matrix Processor (AMP) - Advanced Architecture
Johnson, Mark	1746	Nick Taha† Pierce Yungjoon Johnson† Rishikesh Reddy Bathina† Argha Badhon Saha† Fan Jing Hoon‡	Accelerated Matrix Processor (AMP) - Scheduler Core
Johnson, Mark	1749	Alexandra J Tauriainen† Andy Hanjun Hu† Mary Francis†	Characterization of Branch Predictor Area for System-on-a-Chip Design
Johnson, Mark	1764	Pranav Wadhwa† Kevin Luke Phlips†	Accelerated Matrix Processor - Simulator
Johnson, Mark	1765	Charles James Wagner† Vinay Pundith† Saandiya KPS Mohan*	Accelerated Matrix Processor - Systolic Array
Johnson, Mark	7016	Ammar M Mukadam†	Power, Performance, and Area Optimization of SoCET's AFTx07 Chip
Johnson, Mark	7103	Aishwarya Saikrupa Anand† Seongjoong Yim† Devin Singh*	RISCV Multicore Extension and Benchmarking
Johnson, Mark	9011	Seongwon Hong† Raghav Srivaths† Benjamin Eunsang Ryu† Henan Wang†	SoCET-Test Engineering
Johnson, Mark	9020	Yash Mishra†	UVM Verification of AHB_MUX
Johnson, Mark	9022	Nicha Muninnimit† Matthew S Pung† Vidyut Karur Suresh† Nhu Thanh Quynh Ta† Peter Alexei Kaya Gretchikha†	ASIC Implementation of a Digital Audio Synthesizer
Johnson, Michael Douglas	1066	Giancarlo Sean Guccione† Anthony Tan†	"Enhancing Purdue Grand Prix Training Through Racing Simulation: A Virtual Approach to Karting Performance"
Johnson, Richard D	1078	Reetika Ranjeet Hogade†	How telemedicine platforms can be leveraged to improve mental health accessibility and outcomes for teens and young adults in rural areas
Johnson, Richard D	1459	Sabrina Nicole Hornung†	Artificial Intelligence in Dentistry: Utilizing Diagnostics Interpreted by AI to Enhance Patient Understanding of Oral Health in Rural Areas
Johnson, Richard D	1763	Sophia Marielle Vina†	Generative AI in Narrative Medicine: Strengthening Patient-Physician Relationships in Rural Healthcare
Johnson, Timothy	1132	Mackenzie Grace Roche† Adela Stephanie Fuentes‡	Determining Antimicrobial Resistance in Bovine Respiratory Disease Bacteria
Jun, Martin Byung-Guk	1360	Andrew Yuchao Wu† Chen Jyh Wong* Eunjae Yu*	Predicting Failures in Manufacturing Machinery Using AI-Based Models: Case Study of Air Compressor Health Monitoring
Jun, Martin Byung-Guk	1364	Eunjae Yu† Chen Jyh Wong† Andrew Yuchao Wu*	Smart CNC Machine Tool Monitoring using Industrial IoT and Artificial Intelligence: MTConnect Data Integration and Forecasting Conductivity for Predictive Maintenance

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Jung, Andreas	1332	Likith Reddy Singam† Jack Harrison Reynolds† Lucas Michael Rulo† Yana Manishkumar Shah† Hermes Heng-yu Fu† Millan Shah Kumar† Tyler Mitchell†	Simulating a Quantum Walk as Hawking Radiation
Jung, Andy	1028	Kevin Chang† Samuel McColl Langley-Hawthorne‡	Multifunctional carbon composite support structures for calorimeters in Future Circular Collider IDEA detector concept
Jung, Andy	1064	Ishan Goel†	Simulated Annealing for CMS Primary Vertexing demonstrates promise of Quantum Annealing
Jung, Andy	1346	Myron Milad Tadros†	Supply Chain Optimization Using Quantum and Hybrid Machine Learning
Jung, Andy	1504	Joshua David Oberholtzer† Sydney Metz† Sri Krishna Teja Mannava† Thea Lee Bielejec†	Deep Neural Network approach for distinguishing the Higgs signal from background noise
Jung, Andy	7001	Gino Christian Daniels† Alexandre M Chevalier‡ John Cheng Yu Chang‡ Benjamin Andrew Velasco‡	Research and Development towards a Carbon-Fiber wire based drift chamber for Future Lepton Colliders
Jung, Andy	7059	James Thomas Pittard† Mason Patrick Julius Levere† Sydney Metz†	Automation Methods for Gamma Ray Spectroscopy and Data Analysis
Jung, Jiwon	7008	Yang Lyu†	Regime Switching Financial Model with Signature
Kabir, Md Ehsanul	1017	Anvi Bhatnagar† Nicholas James Georgiades† Arni Prakash Bhatnagar‡ Thomas John Cowden‡	Acute Exposure to Nicotine-containing Electronic Cigarette Aerosols Augment Early Molecular Changes Related to Chronic Lung Diseases in Mice.
Kabir, Md Ehsanul	7112	Andrew Patrick Folkers† Thomas John Cowden† Arni Prakash Bhatnagar‡ Anvi Bhatnagar‡ Nicholas James Georgiades‡	Systemic Inflammatory and Organ-Specific Tissue Remodeling Responses Induced by Acute Electronic Cigarette Vapor Exposure.
Kaboolian, Matthew	1770	Evan R Williams†	Interfacial Phase Behavior and Growth of Hexagonal Phase in Concentrated Lamellar Sodium Laureth Sulfate Solution and Cetostearyl Alcohol Crystal
Kagaya, Yuki	1306	Joon Hong Park† Pranav Punuru‡	KiharaLab EMSuite Server: Advanced Tools for Cryo-EM Structure Modeling and Validation
Kampe, Linda Lee	1223	Gabrielle Loretta Casement†	Examining the Role Gender Egalitarianism has on Domestic Violence Policies
Kanaganamaradi Nagaraju, Vidya	1121	Tovia Grace Owens†	Mechanosynthesis of Urea-Gypsum Cocrystals: a Plant Study
Kao, Shih-chun	1089	Wojciech Jan Kielbus†	Altering Affect and Emotional Reactivity Through Exercise and Mindfulness
Kao, Shih-chun	1739	Neilan Narane Sivalogan†	Inhibitory control is impaired during the exercise intervals but unaffected during the recovery intervals within a single session of high-intensity interval training.
Karanki, Fecri	1412	Layne Daniel Blocher† Serim No Cheon†	Optimal Fleet Strategy for Consistent Efficiency through Crisis: COVID-19 Case
Karcher, Darrin M	1098	Claire Elizabeth Lang†	How pasture-raised laying hens impact the abundance of surrounding wildlife in Northwestern Indiana
Karmarkar, Sushrut	1028	Kevin Chang† Samuel McColl Langley-Hawthorne‡	Multifunctional carbon composite support structures for calorimeters in Future Circular Collider IDEA detector concept

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Karmarkar, Sushrut	7001	Gino Christian Daniels† Alexandre M Chevalier‡ John Cheng Yu Chang‡ Benjamin Andrew Velasco‡	Research and Development towards a Carbon-Fiber wire based drift chamber for Future Lepton Colliders
Kasireddy, Sudarsan Reddy	1367	Nathan Enlong Zhang†	Enhancing Tumor Cell Therapy: Development of Bispecific Small Molecule Ligands Targeting Tumor Cells and Cancer-Associated Fibroblasts
Kasting, Monica	1344	Emma Swanson† Evan Graham Coblentz‡ Rhea Chintan Shah‡ Avery Grace Brubaker* Caroline Rhea Packee*	HPV Vaccine Recommendations: Influencing Change Through Information Provision at No-Cost Vaccine Clinics
Kasting, Monica	7010	Caroline Rhea Packee† Avery Grace Brubaker† Evan Graham Coblentz‡ Emma Swanson* Rhea Chintan Shah*	Prioritization of HPV Vaccine Preventable Diseases Among Emerging Adults – Implications for Health Education and Communication
Katsamba, Ioanna	1817	Jose Prieto Innes†	Comparison of orientation of hexagonal Boron Nitride nanoplatelets in biodegradable films
Kerstein, Patrick	1224	Jonah Chang†	The Role of Transcription Factor Meis2 on Horizontal Cell Survival and Migration
Khan, Ghazi	1665	Arnav Jadhav† Christian Scheckel† In Jun Baek† Keshav Shylesh† Charles Spencer Bowles† Tanvi Chukka† Jinhoo Yoon†	Numerical Techniques for Efficient Full-Wave Modeling of Circuit Quantum Electrodynamic Devices
Khan, Ghazi	1728	Annabelle Rose Schultz† Annsh Santosh Navle† Christian Scheckel† Jack Thomas Willard† Jinhoo Yoon† Tanvi Chukka† Tylen Sean Fleming†	Creating Comprehensive Modeling Tools for Simulating the Dynamics of Multi-Qubit Superconducting Systems Embedded in Arbitrary Transmission Line Networks
Khan, Hammad Furqan	7105	Khushi Choksi† Elan Smyla† Ramya Prasanna† Ian Kwan Yin Lam† Saqib Manjur Chowdhury† Navya Gupta† Nasser H Sanwari† Hannah Jordan Margulis† Grant Dlugos Congdon† Kenneth David Siefken† Paras Sandeep Punater† Dalton J Aaker‡ Deniz Eksioglu‡ Saishri Bagde‡	Bluetooth Functional Near Infrared Spectroscopy (fNIR) Software for Detection of Traumatic Brain Injury (TBI) in Athletes
Khot, Krutarth Hemant	7089	Jonathan Steven Hickle†	Machine Learning driven characterization of thermal conductivity in materials
Khoudari, Nour	7213	Thanmaya Pattanashetty† Joseph Michael Cromp†	Expanding on Election Forecasting
Kihara, Daisuke	1306	Joon Hong Park† Pranav Punuru‡	KiharaLab EMSuite Server: Advanced Tools for Cryo-EM Structure Modeling and Validation
Kilari, Hemalatha	1431	Attila Tamas Csathy† Fiona Jene Wehrle* Murat Ekin Agca*	Process Intensification for Synthesis and Purification of Oncology Drugs
Kim, Daniel	1125	Caroline Powell† Conwy Zheng‡	Investigating the Role of ATP2b1a in Neutrophil Migration
Kim, Do Gyun	7214	Jeeranun Poopanead†	Recycled to Revived: Giving Plastic a Second Life

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Kim, Do Hyeon	1298	Seyed Kiarash Mossalaei† Gregory OHanian† Lexing Xu† Zaki Akhter Husain† Conner Walter MacDonald†	The Development of a Thermostat Environmental Emulator With humidification and Dehumidification Capabilities.
Kim, Dongwook	1710	Jeffrey Park†	Development of DNA linked Ser/Thr kinase activity sensing tool
Kim, Eunseob	1360	Andrew Yuchao Wu† Chen Jyh Wong* Eunjae Yu*	Predicting Failures in Manufacturing Machinery Using AI-Based Models: Case Study of Air Compressor Health Monitoring
Kim, Eunseob	1364	Eunjae Yu† Chen Jyh Wong† Andrew Yuchao Wu*	Smart CNC Machine Tool Monitoring using Industrial IoT and Artificial Intelligence: MTConnect Data Integration and Forecasting Conductivity for Predictive Maintenance
Kim, Garam	1129	Varunavi Kaveri Raghuraman† Sucheol Woo‡ Andrew R Sheedy*	Machining Process Monitoring of Additively Manufactured Fiber-Reinforced Composites
Kim, Garam	1133	Lucas Emanuel Rodrigues† Meghana Kumar‡	Thermal Fatigue of Adhesive Bonding in Modular Additively Manufactured Fiber-Reinforced Composite Tooling
Kim, Garam	1266	Haneul (Sky) Kim†	Investigation the Effect of UV Exposure on Carbon Fiber-Reinforced Thermoplastic Composites
Kim, Garam	1274	Meghana Kumar† Lucas Emanuel Rodrigues†	Thermal Fatigue of Adhesive Bonding in Modular Additively Manufactured Fiber-Reinforced Composite Tooling
Kim, Garam	1294	Stan Melkumian† Edward Yum Kim‡ Alex Zhihang Ye‡	Carbon fiber reinforced composite beam designing and testing for SAMPE bridge contest
Kim, Garam	1426	Doren M Cohen† Chang Su†	Optimization of Composite Patch Repairs for Steel Bridge Girders
Kim, Garam	1451	Arda Gunduz† Sean Angillo Mitchell†	Design, Manufacturing and Testing of Thermoplastic Composite Rivets
Kim, Garam	1520	Alexander Popescu†	Real-Time Controllable Adaptive Numerically Controlled Machine Platform
Kim, Garam	1529	Nathan Thomas Rice†	Metrology-Assisted Machining for Additively Manufactured Fiber-Reinforced Composite Tooling
Kim, Garam	1542	Andrew R Sheedy† Sucheol Woo‡ Varunavi Kaveri Raghuraman*	Optimizing Machining Parameters for Additively Manufactured Fiber-Reinforced thermoplastic Composites
Kim, Garam	1711	Paul Kyu-Hwan Park† Sucheol Woo†	Advanced Impact Testing of Helicopter Fuel Tanks
Kim, Garam	7214	Jeeranun Poopanead†	Recycled to Revived: Giving Plastic a Second Life
Kim, Jaeeun	1286	Jason Dumaual Lyst† Namit Shailesh Joshi† Jayaditya Borah† Abhiraj Singh Jaswal†	Using IoT and Edge Computing to Ensure Saftey in the Bechtel Innovation Center
Kim, Jaeeun	1360	Andrew Yuchao Wu† Chen Jyh Wong* Eunjae Yu*	Predicting Failures in Manufacturing Machinery Using AI-Based Models: Case Study of Air Compressor Health Monitoring
Kim, Jaeeun	1435	Thiago Gabriel Di Si†	Reinforced Learning Models for Modern Production
Kim, Jaeeun	7033	Aditya Manoj Nair†	Using Reinforcement Learning for Automating Robot Path Planning in Manufacturing

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Kim, Jaeeun	7123	Xuan Chen† Shivanya Chandra† Naeem Saeed Bahemia† Aarav Mangla† Isha Virat Yanamandra† Nina Hu† Alexander Chen†	VIP Bechtel IoT
Kim, Jaeeun	9014	Juneseok Kwon†	Object Interaction with MuJoCo Simulation
Kim, Kwang Seob	1103	Justin Edward Logar† Ashley Elaine Fissel†	The Relationship Between Task-Irrelevant Variability and Sensorimotor Adaptation in Speech
Kim, Kwang Seob	1664	Taylor Marcia Irvin†	The Role of Contextual Memory in Speech Sensorimotor Adaptation
Kim, Seyoung	1156	Calla Grace Tucker† Grace Anne Larkey*	Characterizing the Spreading Dynamics of High-Tg Polymer Micelles at the Air-Water Interface for ARDS Lung Surfactant Research
Kim, Sung-Jin	1137	Abigail Wang Schroeder† Hannah Faith Abdon‡	Genetically engineering Anti-HER2 Car-Macrophages and in-vivo optical imaging of 4T1.2-HER2T breast cancer mouse model treated with bacteria-enhanced immunotherapy
Kim, Sung-Jin	1200	Hannah Faith Abdon† Abigail Wang Schroeder†	CAR-Macrophage engineering to treat immunologically cold breast cancer in VNP20009 bacteria-enhanced immunotherapy
Kinzig, Kimberly	1076	Natalie Chyrystine Hoffman† Linnaea Eileen Krupke*	The impact of different types of high-fat diet on energy consumption, weight gain, and hypothalamic inflammation in male and female rats
Kinzig, Kimberly	1271	Linnaea Eileen Krupke†	Biological and Behavioral Effects of PCOS on Cognition
Kiran, Avinash	1809	William Charles Clifford†	Designing framework materials with open-shell configurations
Kirchmaier, Ann L	1117	Ainsley Marie Newett†	The Role of Fumarase in DNA Damage Repair Mechanisms
Kirchmaier, Ann L	1682	Maxine Katya Kushner†	Fumarase and the DNA Replication Stress Response
Kistler, Brandon M	9035	Kara Olivia Shields†	A survey of inpatient nutrition care for people with chronic kidney disease
Klemp, Mikayla	1070	Jarren Haggard†	Elements of Art: pXRF Testing and Exhibition of Purdue
Klidaras, Athanasios	1402	Chandler Albright†	MINERAL DIVERSITY AND IMPACT MELTS IN CRATER CENTRAL PEAKS ON MARS
Klimov, Pavel Borisovich	1211	Sarah M Bennett†	A Genomic Analysis of Global House Dust Mite Allergen Diversit
Koe, Nickolas	7052	Hamond Rahardjo†	Anchor Testing in Reinforced Concrete Structures
Kolbinger, Fiona	1463	Saloni Jajoo†	Pre-PCI Risk Stratification
Kolbinger, Fiona	1699	Farren M Martinus†	Evaluating Cross-Species Generalization Capabilities of Deep Learning Models in Laparoscopic Surgical Tool Segmentation
Kolbinger, Fiona	7131	Madison Sarah Loiselle†	Cross-Species Deep Learning: Evaluating the Generalization of Human and Veterinary Segmentation Models
Kolbinger, Fiona	7211	Farren M Martinus†	Evaluating Cross-Species Generalization Capabilities of Deep Learning Models in Laparoscopic Surgical Tool Segmentation

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Kong, Nan	1007	Nathan James Arnold† Parth Kailash Dubal† Victor Ionut Ene‡ Natasha Rajendrara Gundapaneni‡ Shelby Grace Britton‡ Ty Dean Frederick‡ Harshavi P Birla‡ Bhaskar S Patke‡ Hailey Danae Manuel‡ Nikolai Lyubomir Tesla Auclair‡ Yash Agnihotri‡	Emergency Response Drone for Narcan Delivery
Koratikere, Pavankumar Channabasa	1312	Milan Edward Rahmani† Sota Yanagisawa‡	Design and Analysis of Flapping-Wing Unmanned Aerial Vehicle (FWAV) Modular Wing Testbed
Koratikere, Pavankumar Channabasa	1361	Sota Yanagisawa† Milan Edward Rahmani‡	Design and Analysis of Flapping-Wing Unammned Aerial Vehicle (FWAV) Modular Wing Testbed
Kosoko-Thoroddsen, Magnus-Tryggvi Adejogun	1407	Annalise Marie Baniecki†	Development and Testing of a Footstep Planner Simulation Platform for Robust Quadrupedal Locomotion on Dynamic Surfaces
Kouvaras Ostrowski, Anastasia	1272	Avery Kruppe†	Exploring Older Adults' Privacy Concerns In Robot-Mediated Data Collection
Kouvaras Ostrowski, Anastasia	1325	Ramani Satishkumar†	Human-Centered Policy Frameworks for Autonomous Agent Technologies
Kouvaras Ostrowski, Anastasia	1349	Mikaela Sandra Thompson† Lucy Gunther‡	Participatory Design of Autonomous Agents' Role and Personality in the Workplace
Kouvaras Ostrowski, Anastasia	7205	Siya Chirag Jariwala† Henry J Lee†	Creating a Framework to Integrate LiDAR Data from Caves into Classroom Virtual Reality
Kouvaras Ostrowski, Anastasia	7216	Hiya Samanta†	Co-designing Student VR Experiences for Geology Course Fieldtrips
Krause moras, Bruno cesar	1465	Christina Joslin†	Preference for Charging Station Venues – A Comparison between Electric Vehicle Users vs. Non-Electric Vehicle Users
Krishna, Ashima	7024	Alyssa Marie Berger† Marisa Rose Crescent†	Researching the Old Naval Observatory
Krishna, Ashima	7050	NahShon Zion Williams†	The Black Genealogical Research Project: Hill-Williams-Coleman Family of South Bend
Krushinski, Lynn Elizabeth	1162	Amber K Wang†	Probing Mass Transport in an Acoustically Levitated Droplet with Novel Electroanalytical Techniques
Kubis, Tillmann C	1111	Jeremy Jingrui Mao†	Model optimization for nanodevices and functionalized material
Kuhn, Richard J	1231	Bella Kristina Demantes†	Impacts of dengue virus nonstructural protein NS1 on viral infectivity
Kuhn, Richard J	1757	Cora Tolan†	HCV E1/E2 Chimeric Constructs and Their Impact on Host Cell Surface Expression
Kulkarni, Ritwik Vijaykumar	1067	Vikash Gunalan†	Engineering Materials for Thermal Transport of Semiconductor Packaging
Kulkarni, Ritwik Vijaykumar	1652	Nolan Parker Gronowski†	SCALE HI-AP Experimental Design & Facilitation of Thermal Grease Reliability and Performance in Large-Scale Computer Applications
Kumar Alabhya, Fnu	1484	Felix Liu† Mohammed Rafi‡	A RISC-V Implementation of the Core-Local Interrupt Controller for the AFTx Series.
Kunwar, Vijay Singh	1523	Sonia Amaris Propst-Zuverza†	Further Study of Root Knot Nematode with Suppressive Soil Types
Kuznik, Aaron C	1739	Neilan Narane Sivalogan†	Inhibitory control is impaired during the exercise intervals but unaffected during the recovery intervals within a single session of high-intensity interval training.

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Ky, Samantha L.	1344	Emma Swanson† Evan Graham Coblentz‡ Rhea Chintan Shah‡ Avery Grace Brubaker* Caroline Rhea Packee*	HPV Vaccine Recommendations: Influencing Change Through Information Provision at No-Cost Vaccine Clinics
Ky, Samantha L.	7010	Caroline Rhea Packee† Avery Grace Brubaker† Evan Graham Coblentz‡ Emma Swanson* Rhea Chintan Shah*	Prioritization of HPV Vaccine Preventable Diseases Among Emerging Adults – Implications for Health Education and Communication
Labi, Samuel	1044	Sameeksha Sekhar Desai† Pranav Sanghi† Liam M Mccormack† Steven James Van Hulle† Margulan Mukhametkarim† Ridge McCain Blankenship† Jamie Youngjin Cho† Joseph Dominic D'Alessandro† Nicholas Keir Wade† Benjamin Harris Ciliberto† Alexander T Valdes* Andrew Joseph Shelley* Alexander Kmetko* Atharva Shailendra Patil* Audrey L Williamson* Chun Yi Pham* Emily Marie Thomas* Jason Zheng*	Artificial Intelligence: Marine Maneuvering
Labi, Samuel	1268	Junyoung Kim† Christian A Choi† Aroldo Fernando Lugo Quintanilla† Nicholas Gentry Viardo†	Racing Line Optimization with Adaptive Grip Estimation
Labi, Samuel	1469	Azain Khalid† Ritwik Suresh Jayaraman† Pranav Vijay Kumar† Khoi Xuan Mai† Jake Alan Patterson†	Raceline Optimization in Autonomous Racing using Quantum Annealing
Labi, Samuel	7072	Myron Milad Tadros† Abdelrahman Ahmed Safw Eissa† Ahmed Sayed Omar Omar† Bola Yosry Zaky Warsy† Omar Ahmed Roshdi Badawi Abousheishaa† Rohin Rajesh Nair†	Real-Time Agent Motion Prediction and Overtaking in Multi-Agent Autonomous Racing Using Deep Neural Networks
Laferriere, Kris	1287	Kamden Elliott Maddox† Matthew Robert Scheer† Jessica Marie Cyr‡ Arunima Saha‡	Utilizing the Modified Gaussian Model to analyze the abundance and locations of pyroxenes on the lunar surface
Laferriere, Kris	7109	Jessica Marie Cyr† Arunima Saha† Kamden Elliott Maddox‡ Matthew Robert Scheer‡	Development of a data calibration pipeline and identification and mapping of pyroxene in lunar spectroscopy via RGB image and absorption band analysis
Lagudu, Vishnu Chaithanya	1219	Siddarth Balaji Calidas† Andrew James Larkins‡	System-on-Chip Verification - Applying UVM to Verify RTL Designs
Lagudu, Vishnu Chaithanya	1267	Seokjae Kim† Vivek Matta†	Design and Development of a Daughter Board for Caravel eFabless Chiplet Integration
Lagudu, Vishnu Chaithanya	1486	Joseph Alexander Schelb† Han My Luu†	Interfacing a Daughter Board for Caravel EFabless Chip
Lagudu, Vishnu Chaithanya	1753	Parin Paresh Timbadia†	Designing and Developing a UVM Environment to Verify a Digital Counter
Lagudu, Vishnu Chaithanya	9012	Adam Jacob Keith† Dev M Patel†	UVM-Based Verification of RISC-V Multicore Design

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Lagudu, Vishnu Chaithanya	9027	Santiago Xavier Pineiros Gavilanes† Anas Zyad Abughali‡	UVM verification module for stack LIFO module
Lagudu, Vishnu Chaithanya	9029	Aryan Ram Babu† Sanjay Akam†	Caravel Chip (STARS Chiplet)
Lagudu, Vishnu Chaithanya	9032	Dogyu Ryu† Moeyad OmerAbdalla Omer†	AXI UVM
Lai, Dali	1146	Nathaniel A Smith†	Design of an 8-Bit Digital-to-Analog Converter with Thermometer Decoder and Custom Two-Stage Operational Amplifier in TSMC180 Technology
Lai, Jingyi	1462	Tanay Jain† Inaki Garcia Barcena Garcia† Jennifer Yunning Lu†	AutoIC - Integration of BIM for Bridge Modeling
Lai, Sean Yenyu	1233	Brendan Duffy†	SCALE HI-AP Constitutive Evaluations of High-Temperature SAC-based Solder and Considerations for Thermal Stress Tester Design
Lammert, Seth Daniel	1668	Danny Mazen Kanj†	Glycine-N-methyltransferase is not necessary for age-dependent Drosophila photoreceptor survival
Landis, Benjamin	1144	Samskrithi Sivakumar†	GUI-Based Segmentation and Quantitative Analysis of Aortic Aneurysms in M-Mode Echocardiography
Langemeier, Michael R	7084	Yufei You†	Economic and Environmental Comparison of Tillage Systems in Illinois
Lanham, Matthew	1124	Gabriel L Ponsot† Caleb Zachariah Brunton† Umar Yasser† Conrad Sebastian Lin†	PoliticaLens: An R-shiny Application to Evaluate Political Bias in American News
Lanham, Matthew	1147	Cooper William Springs† Ethan Mathew Lebon† Ian Spencer Lutz† Aruneeth Ranjan Sil†	A Patient Decision Support Tool for Simplifying Medical Information
Lanham, Matthew	1328	Himanshu Niraj Sethia† Marissa Shuluo Urbanek† Bao Chau Chau Nguyen† Allison Spahn†	fRaud: An R-Shiny Application To Identify Financial Transaction Fraud
Lanham, Matthew	1448	Riley Clare Garrison† Sreeya Thirunagari† James Graeme Tolland† Lucas Hunter Spence† Destinee Walker†	ExamBoost: A Data-Driven Approach to Improve Student Exam Outcomes
Lanham, Matthew	1617	Albert Joseph Burton† Russell John Cohen† Ryan Andrew Katz† Ethan Brian Kobylinski†	BetteR Bets: A Decision Support Tool for Sports Betting
Lanham, Matthew	7082	Eric Tysinger† Leo Zheng† Michael Lance Whitfield† Nelson A Paguada†	A Software Application to Predict and Optimize Healthcare Insurance Costs
Lanham, Matthew	7203	Satyam Vipulbhai Dave† Yana Sheoran†	How Does Prompt Engineering Influence Character Consistency and Bias Mitigation in AI-Generated Biblical Narratives?
LaRoche, Kathryn Jean	1058	Alexandra Sophia Finlayson†	Pregnant and Waiting: The Alarming Delays in Indiana's Prenatal Care System
LaRoche, Kathryn Jean	1309	Alana Powell†	Perspectives towards DMPA-SC (Depo) self-administration among Black women
Laskin, Julia	1163	Haven Nicole Wilson†	Structural characterization of sn-isomers of acidic phospholipids using mass spectrometry
Laskin, Julia	1166	Jenna J Wu†	Enhancing Lipid Signal and Coverage in Positive Mode ESI-MS using Charged Chemical Derivatives

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Laskin, Julia	1343	Erik Robert Sveen†	Efficient and Cost-Effective Enzyme Deposition onto Tissues for Mass Spectrometry Imaging using a Mini-Humidifier
Laskin, Julia	1432	Ronald Anton Cutler†	Measuring the Ligand Exchange Kinetics of Metal Chalcogenide Clusters
Laskin, Julia	9040	Jorge Vilchez†	Derivatization with La3+ facilitates structural characterization of isomeric sugars using mass spectrometry
Lau, Holman	1358	Thomas B Wooldridge† Ishaan Breinig‡	Clean and Efficient Hybrid Propulsion System for Drones
Lau, Holman	1415	Ishaan Breinig† Thomas B Wooldridge‡	Forever-Flying Drones: Autonomous Ocean-Based Refueling Stations for Hydrogen-Powered Drones
Lawal, Fatimah Bisola	1309	Alana Powell†	Perspectives towards DMPA-SC (Depo) self-administration among Black women
Layman, Brady Robert	1222	Daniel Michael Carrel†	Multiphase Electrochemiluminescence Microscopy of Competitive Reactions
Lazorchak, Nathaniel Liam	9031	Ayden Matthew Rosencranz† Charlita Sinmak† Antonio C De Oliveira Segura†	Enhancing the Stability of Conductive Bioelectrodes Using Advanced Nanomaterials
Le, Tho	1246	Paraj Goyal†	Data Visualization of the Semiconductor Supply Chain
Le, Tho	1759	Shou-Fu Tseng† Brandon Anthony Farber†	A Systematic Review of Lean Six Sigma Applications in the Semiconductor Lifecycle: From Design to E-Waste Management
Lee, Chang Geun	1600	Lissette Mariel Aguiar†	Elevated Oxidative Stress in the Anterior Cingulate Cortex of Welders Exposed to Manganese
Lee, Chang Geun	7111	Shane Kevin Limas†	Monitoring the size distribution of aerosols in manual metal arc welding fumes
Lee, Jaeil	1141	Diya Singh†	AI-Based Walkability Ecosystem: A Personalized, Social and Adaptive Solution to Urban Mobility and Public Health
Lee, Jiho	1129	Varunavi Kaveri Raghuraman† Sucheol Woo‡ Andrew R Sheedy*	Machining Process Monitoring of Additively Manufactured Fiber-Reinforced Composites
Lee, Jiho	1542	Andrew R Sheedy† Sucheol Woo‡ Varunavi Kaveri Raghuraman*	Optimizing Machining Parameters for Additively Manufactured Fiber-Reinforced thermoplastic Composites
Lee, Jung Hyun	1109	Jacob Alan Malone† Katelyn Riddle‡	Does Airplane Pollution Elevate Elemental Lead Concentration in Soil?
Lee, Jung Hyun	1531	Katelyn Riddle† Jacob Alan Malone‡	Assessing Arsenic Contamination in Soil: A Secondary Analysis of Airport Site Data
Lee, Jung Hyun	1715	Paige Bailey Pierson†	Application of Purple Air Sensors: Determining Air Quality Over Different Time Intervals
Lee, Kiseop	1347	Sarthak Tandon†	Deep Learning for Asset Mispricing in High-Frequency Trading: A Fat-Tailed Approach
Lee, Kiseop	7008	Yang Lyu†	Regime Switching Financial Model with Signature
Lee, Lan-Ying	1057	Elizaveta Filippova†	Evaluating the Effect of the Location of Type III Secretion System Genes on Agrobacterium-Mediated Transformation Efficiency
Lee, Lan-Ying	1323	Olivia Nicole Safranek† Ruoqin Rachel Yang†	Analysis of Temperature Sensitive Mutants
Lee, Linda S	1410	Ethan Robert Behrend†	PFAS biotransformation through composting of contaminated animal carcass
Lee, Linda S	1507	Rachel Christine Quisil Ordiales† Sadie Grace-Lucero Keegan†	Distribution of Biosolid-Impacted Recreational Farm Ponds Contaminated with Per- and Polyfluoroalkyl Substances (PFAS) in Indiana

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Lee, Linda S	1702	Brandon George Miller†	Fate of unregulated organic compounds at a 40-year dedicated municipal biosolids land disposal site
Lee, Youngjun	7134	Sidh Jain†	Radiomic Analysis of Collagen
Lee, Youngjun	9003	Christopher Richard Chin†	Texture and Mechanical Properties of Human Cortical Bone: Influence of Bound Water Composition
LeGrand, Keith Allen	1009	Adam Daniel Aufderheide†	An Automated Blender-Python-MATLAB Pipeline for Testing Visual Navigation Algorithms
Lehto, Mark R	1141	Diya Singh†	AI-Based Walkability Ecosystem: A Personalized, Social and Adaptive Solution to Urban Mobility and Public Health
Lehto, Xinran Y	1141	Diya Singh†	AI-Based Walkability Ecosystem: A Personalized, Social and Adaptive Solution to Urban Mobility and Public Health
Leifsson, Leifur Thor	1312	Milan Edward Rahmani† Sota Yanagisawa‡	Design and Analysis of Flapping-Wing Unmanned Aerial Vehicle (FWAV) Modular Wing Testbed
Leifsson, Leifur Thor	1361	Sota Yanagisawa† Milan Edward Rahmani‡	Design and Analysis of Flapping-Wing Unammned Aerial Vehicle (FWAV) Modular Wing Testbed
Leitch, Stephen R	1072	Chloe Grace Hardesty† Grace E Bedka† Whitley Claire Judd† Max Jatin Arnold† William Charles Young†	Enhancing Brand Recognition and Market Positioning Case Study: The Studio at Miracles Fitness
Leitch, Stephen R	1281	Kylie Michelle Levine† Skylar Marie Heckman† Olivia Kylie Troy† Varsha Raj†	Mobile App Loyalty Program - A Case Study of Greyhouse Coffee
Leitch, Stephen R	1321	Jessica Ruiz Cortez† Autumn Marie Scott† Savannah K Scheele† Nicholas Bradley Brown†	Customer Segmentation and Market Expansion Strategies: A Case Study for Flora Candle Co.
Leitch, Stephen R	1354	Paul Christian Walter† Elijah Lewis Claeys† Noah Michael Clayman† Trent A Osborn† Tyler Ryan Green†	Consumer Decision-Making and Market Expansion Strategies: A Fowler Theater Business Case Study
Leitch, Stephen R	1366	Avery Marie Ragon† Neng Bi Zhang† Isabel Opal Davis† Robert Pedro Chambers† Andee Michelle Elenbaum†	Understanding Engagement and Ministry Improvement in a Local Church Community
Leitch, Stephen R	1445	Robert Louis Fruchey† William V. Mehra† Henry Jack Love† Simon Joseph Denny†	KanKan Theater Business Case Study
Leitch, Stephen R	1457	Brooklyn Grace Holt† Camila Gumucio Granier† Carolyn Elizabeth Szilagyi† Justin Alexander Bolinder† Austin Edward Springer†	Enhancing SCP Hotels' Brand Positioning Through Sustainability and Community Engagement
Leitch, Stephen R	1514	Grace Elizabeth Peter† Kaitlin Rose Otto† McKenna Rae Toltzman† Sydney Lynn Williams† Kiersten Serenity Fisher†	Reaching Market Potential: A Garbanzo Case Study
Leitch, Stephen R	1527	Varsha Raj†	Impacts of a Potential TikTok Ban

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Leitch, Stephen R	1558	Ishika Vellaboyina† Katelyn Marie Hansa† Kathleen Marie Soedel† Yeshua Hernandez†	Greyhouse Business Case Study: Increasing revenue with food sales
Leitch, Stephen R	1727	Lauren Lee Ryan† Harry Hyunseung Moon† Tyler James Vanderwoude† Ashlee Elizabeth Laskowski† Aadi Dipak Patel† Kaitlyn Riley Ellison†	Boosting Brand Visibility: A Strategic Marketing Approach for TruVant Realty in Lafayette
Leitch, Stephen R	1805	Sumantra Basu†	MGMT 324 Trend Project
Li, Guangjie	7093	Jordan Alexander Gaines†	DMRG Simulation of Spin-Chain Multichannel Kondo Model
Li, Haitong	1628	Geetika Chitturi† Jou-Ting Lai†	SCALE HI-AP Fabrication and Modeling of RRAM for 3D Monolithic Integration of an In-Memory Computing 1T1R OSFET Memory Cell
Li, Haiyan	1225	Jin-Jia Chang† Sebastian Montano Elbancol Knill† Po-Chin Yang†	Consumption of Short-Form Content on U.S. College Students' Political Opinion
Li, Haiyan	1243	Fanxi Gao† Yuexin Jiang†	Make America Christian Again: Christian Nationalism and Voting for Donald Trump in the 2024 Presidential Election
Li, Haiyan	1329	Amogh Meenakshi Shadangi† Manas Umangkumar Doshi† Yu-Chun Chou† Jui-Tung Lee†	The Impact of DEI Abolition on University Cultural Centers and International Student Inclusion
Li, Haiyan	1355	Chandhopama Thidas Bandara Wanasinghe† Zhonghang Du†	AI Tool Selection Among University Students: Preferences and Influencing Factors
Li, Haiyan	1482	Ying-Wei Lin† Minsu Cho† Yuma Ariga† Stavros Tzortzatos Gorrichategui†	Shaping Future Leaders: Business Students' Views on Leadership
Li, Jianing	7063	Shreya Krishnan†	In Silico Analysis of Calmodulin-Calcium Binding Sites and their effects on Adenylyl Cyclase 1 Activation
Li, Junfei	1249	Brett Michael Heckman†	Improving performance of boards hosting FPGAs for ECELabs.io
Li, Junfei	1293	Heran Leonardo Mei†	Enhancing ECElabs.io: Porting the Logic Gate Diagram Page to Vue for Improved Usability and FPGA Integration
Li, Junfei	1478	Haejune Kwon† Rauf Emre Erkiletlioglu‡	ECELabs - GPIO streaming
Li, Junfei	1685	Nana Lee†	Reducing Real-Time FPGA Streaming Latency via WebRTC Optimization
Li, Junfei	1359	Shaocheng Wu†	Optimized Air-Entrained Structures in Underwater Noise Mitigation for Offshore Wind Energy
Li, Linlin	1206	Velan Arunmozhi† Ian Kwan Yin Lam†	Enhancing Data Efficiency in 3D Nuclei Segmentation for Light Sheet Microscopy Data using Deep Learning
Li, Linlin	1526	Aakarsh Nagendra Rai†	Quantitative Analysis of Shape and Topological Changes in Enveloping Cells during zebrafish epiboly
Li, Linlin	1683	Ian Kwan Yin Lam† Velan Arunmozhi†	Quantitative Analysis of Shape and Topological Differences in EVL Cells of Zebrafish Embryos during Epiboly
Li, Shu	1306	Joon Hong Park† Pranav Punuru‡	KiharaLab EMSuite Server: Advanced Tools for Cryo-EM Structure Modeling and Validation

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Li, Tongtong	7063	Shreya Krishnan†	In Silico Analysis of Calmodulin-Calcium Binding Sites and their effects on Adenylyl Cyclase 1 Activation
Li, Yue	8003	Marley Grace Mack†	Animacy in English Object Relative Clause Structure Choice: A Comparative Study Between L1 and L2
Lim, Dong won	1019	Kamon Van Blong† Nicolas Michael Makovnik† Andrew Alberto Fontanetta† Timothy Joseph Mareachen† Cole Alan Halupnik†	Development of a 5000 lbf Rocket Turbopump
Lin, Guang	1308	Katherine Xiaoxing Pesetski† Alan Yue*	Machine Learning Driven Analysis of Duchenne Muscular Dystrophy Cardiac MRI Data
Lindemann, Stephen R	1074	Yara Zaidoun Hijaz†	Cloning and Characterizing a GH43 Enzyme from Bacteriodes for Arabinoxylan Degradation
Lindemann, Stephen R	1092	Norah Riley Kopolow†	Dietary Fibers and the Gut: A Functional Approach to Microbiome Assessment
Lindemann, Stephen R	1161	Lea Camille Vojslavek† Han Ye† Nicole Elizabeth Krishna* Jasmine Rae Harper* Victoria Bethany Hale*	Extraction of Alkali-Soluble Arabinoxylan
Lindemann, Stephen R	1678	Skyler Anna Kreunen†	Developing a Cost-Efficient Method to Quantify DNA using SYBR Gold
Lindsay, Ian	1475	Melanie A Kreutz†	Digitizing the Past: Using GIS to Integrate Analog and Digital Spatial Data for Bronze/Iron Age Hillforts in the Armenian Highlands
Lindshield, Stacy	1214	Elaina Caroline Bowlds†	The Effect of Diet on Social Behavior in Mantled Howler (Alouatta paliatta) and Spider Monkeys (Ateles geoffroyi)
Ling, Kai	1306	Joon Hong Park† Pranav Punuru‡	KiharaLab EMSuite Server: Advanced Tools for Cryo-EM Structure Modeling and Validation
Linnes, Jacqueline	1029	Akansha Chauhan†	Paper-Based Duplex Assay for Early Cervical Cancer Screening
Linnes, Jacqueline	1758	Christian R Tomao† Gabrielle Elizabeth Layman*	Leveraging Game Mechanics for STEM Education: Enhancing Engineering Skills Through the Pac-Man Robotics Challenge
Linnes, Jacqueline	7073	Francesca Chiara Hamacher†	Rapid Diagnostic Test for HPV 16 & 18
Linnes, Jacqueline	7221	Christian R Tomao† Gabrielle Elizabeth Layman*	Leveraging Game Mechanics for STEM Education: Enhancing Engineering Skills Through the Pac-Man Robotics Challenge
Little, Dianne	1536	Sarah Schloff†	Mechanical Testing Standards for Tendon - Are they Equivalent?
Liu, Huilong	1769	Kyle J Wiegand†	SCALE HI-AP: Thermo-Mechanical Reliability of Bismuth Based Solders for High Temperature Packaging
Liu, Jing	1545	Ishaan Kartik Singh†	New Bayesian Methods for Fluorescent Lifetime Imaging Microscopy
Liu, Peiran	1284	Che Liu† Aqib Muhammad Abdullah†	Large language model (LLM) for surgical training and the evaluations of LLM performance
Liu, Sa	1609	Hannah Ashley Bard† Tamia A Austin‡	Understanding The Rural Environmental Health Landscape: Exploring The Link Between Arsenic Exposure and Cancer Rates in Hartford City, Indiana
Liu, Yanfu	1272	Avery Kruppe†	Exploring Older Adults' Privacy Concerns In Robot-Mediated Data Collection

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Loeb, Chase Ja-ok	1740	John Henry Slater† Natalia Zagata† Braden Thomas Callaway† Lillian Ji† Jonathan George Cats† Anish Paspuleti†	Autopilot Integration for Lightweight Unmanned Fixed Wing Aircraft in PURT Testing Facility
Long, Jiaxin	1145	Shelby Sliger†	Characterization of the contribution of the Mediator complex subunit MED23 to H3K27me3 homeostasis in Arabidopsis thaliana
Long, Jiaxin	1819	Joshua Paul Kaluf† Joshua T Stephenson*	Characterization of a Potential Role for PKL in Replication in Arabidopsis thaliana
Loviska, Amy Milin	1120	Oyindamola Olutofunmi Odelowo†	Traumatic Brain Injury and Contact Sports on Cognitive Performance
Loviska, Amy Milin	1491	Charles W Mann† Blessing Adomale Lesi† Khanh Ha Nguyen‡	Using ABCD Data to Identify Cardiovascular Protective Factors Among Black Youth
Low, Philip S	1367	Nathan Enlong Zhang†	Enhancing Tumor Cell Therapy: Development of Bispecific Small Molecule Ligands Targeting Tumor Cells and Cancer-Associated Fibroblasts
Low-Nam, Shalini T	1203	Alex James Alonzo†	Mechanisms of tuning cytotoxic T cell activation via artificial triggering
Lu, Yung-Hsiang	1080	Julianne Quin Iaccarino† Basil Khwaja† Ian Owen Ou† Ibrahim Issa Abdullah†	CVGM - Computer Vision and Generative Models
Lu, Yung-Hsiang	1327	Ranav Sethi† Peter Edvardsson† Seung Hyun Choi† Ashwin Kazuki Thampi† Nathan Zhou† Si Ci Chou† Sean Xiaoyang Su†	Adaptive Accompaniment for Musical Compositions
Lu, Yung-Hsiang	1401	Rishit Agrawal† Agrim Sharma† Bingyi Liu†	Development of a Benchmarking Tool Utilizing Computer Vision for Generative Models
Lu, Yung-Hsiang	1608	Utkarsh Bali† Tim Nadolsky† Liam Matthew Stonestreet† Henry Hengyi Tsay†	Visualize Music using Generative Models of Artificial Intelligence
Lu, Yung-Hsiang	1623	Ojas Chaturvedi† Kayshav Bhardwaj† Tanay Hemant Gondil† Ankur Senapati† Sanshray Kumar† Yuting Xiao† Mithun Mahesh†	Quantitative Comparison for Automatic Music Transcription
Lu, Yung-Hsiang	7041	Gurtej Singh Bagga† Trevor Mission Ju† Benjamin Joseph Taylor† Jackson Patrick Shields† Dinmukhamed Mukhtar Tynysbay† Han Li† Hanako S Keney† Paige Lorenz† Aneesh Pendyala† Yumin Kim† William P Jiang* Shrinand Perumal*	Artificial Intelligence in Music - Computer Vision

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Lu, Yung-Hsiang	7124	Tanishaa Shah† Jiashu Liu† Samantha Sudhoff† Pranesh S Velmurugan† Vincent Wentao Zhao†	Studying Cello Bowing Performance through a Robotic Arm and Reinforcement Learning
Lubbers, Travis Jon	1682	Maxine Katya Kushner†	Fumarase and the DNA Replication Stress Response
Lucas, Jeffrey R	1562	Bruce Daniel Ward† Rachel Pinto†	Responses To Transposition In Carolina Chickadees (Poecile carolinensis) Of Central Indiana
Luo, Junjie	1446	Alan Fu† Thomas William Concannon† Emma Lynn Stump† Chewon Yu Park† Neal Sai Singh†	Low Power Depth from Differential Defocus
Luo, Zhiwei	1050	Maren Michele Eaton† Claire Elizabeth Nowak‡ Eleanore Margaret Malinowski‡	Coniferyl alcohol rescues aberrant root development phenotypes of Arabidopsis lignin mutants
Luo, Zhuojun	7022	Nathan Xuheng Li† Vatsal Sanjeevkum Dudhaiya† Tingyu Yin† Rachel Catherine D'Souza† Purav Matlia† Isaac Kojima Shane†	Streamlining Proteomics Data Analysis: A Full-Stack Application and Statistical Pipeline for Enhanced Accuracy and Interpretation
Lutz, Kurt Robert	1630	Kendall Anne Claymon†	The relationship between American Bullfrog tadpole mouthpart surface area and shedding rate
Lutz, Kurt Robert	1731	Koby M Sellner†	Just "Beet" it? A Comparison of Road Salt Effects on the Life History of Daphnia magna.
Lyanda-Geller, Olga	8005	Emily Doris Gervais†	Laughter in Exile: The Concept of Laughter in Chekhov
Lyanda-Geller, Olga	8014	Davyd Revenko†	"Holy Jokesters" in Russian Culture and Literature: Then and Now
Lyon, Angeline M	1138	Canyen Locke Setser†	Structural and Functional Analysis of Ras Isoforms in Phospholipase C-epsilon Signaling
Ma, Alex Ruichao	7057	Santiago Lopez†	A Triangular Ladder of Superconducting Qubits for Quantum Simulation
Macatangay, Jalen Riley	1649	Jacob Hayes Goehring†	Effect of shock-induced compressive and shear work on the reactivity of hotspots in polymer-bonded explosives
MacDermid Wadsworth, Shelley	1670	Meha Raagani Kavoori†	A Psychometric Evaluation of the PHQ-8A Among Adolescents in Military Families
Machiry, Aravind	1351	Gaurav Vermani† Ryan Alexander Kubinski† Tzu Chieh Yi†	C-To-Rust: Standardized Dataset Creation
Macwilliams, Charles Joseph	1534	Kaley Roe†	Impact Mechanics of Avian Collisions: Assessing Forces and Fracture Risk
Madhuvanesh, Praneel	1738	Pranav Singh† Colby Strohl† Bella Irma Schaetzle† Clara Marie Anne Goffioul† Cassius Samuel Sampson† Simran Nadig† Nathanael Adrian Lorincz† Tatiana Varela* Ananya Prasad*	Multifunctional Materials in Aerospace Applications to Drone Landing Gear
Madsen, Emilee A	1676	Eileen Koh†	Exploring the Influence of Location-related Factors on the Job Choice of Engineering Students Interested in Microelectronics Careers
Maeda, Kazuki	1761	Eylul Ustaoglu†	Visualizing microscopic shock physics

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Maggart, Emma	1470	Jolie Grace Klimczak†	The History of Bovine Tuberculosis in the United States and its Modern Day Implications
Mahdi, Mohammed Abir	1537	Thomas Edgardo Schmitz†	Additive Manufacturing with Hybrid Continuous and Discontinuous Fiber Systems
Mahmoudian, Nina	7212	Nay Naing† Carolina Bobadilla†	Designing Healthcare Robotics: Biomimetic Prosthetic Hands for Secondary Education
Mahurkar, Ketaki A	1138	Canyen Locke Setser†	Structural and Functional Analysis of Ras Isoforms in Phospholipase C-epsilon Signaling
Malcolm, Shandey Derisa	1318	Ava Grace Reynolds†	Tobacco Perceptions and Abstinence Intentions Among Caribbean Adolescents: Through the Lens of the Health Belief Model
Malcolm, Shandey Derisa	1344	Emma Swanson† Evan Graham Coblentz‡ Rhea Chintan Shah‡ Avery Grace Brubaker* Caroline Rhea Packee*	HPV Vaccine Recommendations: Influencing Change Through Information Provision at No-Cost Vaccine Clinics
Malcolm, Shandey Derisa	7010	Caroline Rhea Packee† Avery Grace Brubaker† Evan Graham Coblentz‡ Emma Swanson* Rhea Chintan Shah*	Prioritization of HPV Vaccine Preventable Diseases Among Emerging Adults – Implications for Health Education and Communication
Mallery, Eileen L	1259	Maxwell Murphy Kahle†	Polarity establishment and cytoskeleton rearrangement in early cotton fiber development
Manalo, Lucas William	1228	Daniel Choi† Hassan Al-alawi† Hunter A Mccollough† Justin Yasuumi† Armaan Kanchan† Jerry Ronald Chen† Viet Khoi Pham Khac† Shresth Mathur† Abhiram Saridena† Muhammad Zohaib Ali†	Integrating SIMT and Scalar Cores to Manage Control Flow Divergence
Manojlovich, Kali Elizabeth	7061	Mia An-Mei Schmetter† Abigail Foley*	Effects of Hearing Impairment and Cognitive Load on Postural Sway
Mansour, Patrick Tareg	9000	Eshaan Agarwal†	Modular Soft Assemblies with Independent Cells
Mansson, Jan-Anders E	9016	Andrew Hanchen Liu† Lucas David Gorretta† Colin H Reilly*	Feel and Control: Improving Damping in Tennis Rackets
Mao, Huan wen	1235	Brandon Anthony Farber† Hao Tian Pang† Hsun-Ti Chiang† Nora Miqueleiz-Alonso† Prateek Sinha†	SPC Metal Insulator Metal Team
Mao, Le	9005	Luisa Cruz Miotto† Qiuyang Huang† Heidi Teng†	Evaluating Vision Transformer Architectures: Accuracy, Efficiency, and Resilience in Image Classification
Marais, Karen	7000	Aaryan Sachin Lath†	Modeling and Mitigating Lunar Habitat Disruptions
Marceau, Kristine	1120	Oyindamola Olutofunmi Odelowo†	Traumatic Brain Injury and Contact Sports on Cognitive Performance
Marceau, Kristine	1491	Charles W Mann† Blessing Adomale Lesi† Khanh Ha Nguyen‡	Using ABCD Data to Identify Cardiovascular Protective Factors Among Black Youth
Marconnet, Amy M	1067	Vikash Gunalan†	Engineering Materials for Thermal Transport of Semiconductor Packaging
Marconnet, Amy M	1652	Nolan Parker Gronowski†	SCALE HI-AP Experimental Design & Facilitation of Thermal Grease Reliability and Performance in Large-Scale Computer Applications

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Marconnet, Amy M	1745	Lindsay Kathryn Sutherland†	SCALE HI-AP: Impact of Slot Liner Compression on the Total Thermal Resistance of the Stator-Winding Assembly in Electric Motors
Marete, Caroline Kathure	1297	Kamanda K Mosongo†	The Role of Air Cargo in Global E-Commerce
Markert, Amelia	1070	Jarren Haggard†	Elements of Art: pXRF Testing and Exhibition of Purdue
Marshall, Curtis Earl	1212	Tanuj Bhat† Krish Samir Mehta† Tanush Ashok† Edward X Sun† Arjun Aneja†	Lift Analysis on Diamond-Shaped Airfoils in Supersonic Free-Stream Velocities
Marshall, Curtis Earl	9013	Huan Yi Kuo† Po-Chin Yang†	VIP AERO UAV
Marshall, Curtis Earl	9017	Huijie Loy† Po-Chin Yang†	VIP-AERO UVA
Martin, Heather Nicole	1504	Joshua David Oberholtzer† Sydney Metz† Sri Krishna Teja Mannava† Thea Lee Bielejec†	Deep Neural Network approach for distinguishing the Higgs signal from background noise
Martin, Heather Nicole	7001	Gino Christian Daniels† Alexandre M Chevalier‡ John Cheng Yu Chang‡ Benjamin Andrew Velasco‡	Research and Development towards a Carbon-Fiber wire based drift chamber for Future Lepton Colliders
Martin, Jack Alexander	1758	Christian R Tomao† Gabrielle Elizabeth Layman*	Leveraging Game Mechanics for STEM Education: Enhancing Engineering Skills Through the Pac-Man Robotics Challenge
Martin, Jack Alexander	7221	Christian R Tomao† Gabrielle Elizabeth Layman*	Leveraging Game Mechanics for STEM Education: Enhancing Engineering Skills Through the Pac-Man Robotics Challenge
Martinez, Ramses	7096	Alberto Minaya Lopez†	Integrating Digital Twins and Virtual Reality for Advanced Manufacturing Education
Martinez-Guo, Zherui	9100	Srinath Dantu†	Multi-Scale Simulation of Grain-Scale Behavior in Energetics Under Impact
Marvel, Emily G	1109	Jacob Alan Malone† Katelyn Riddle‡	Does Airplane Pollution Elevate Elemental Lead Concentration in Soil?
Marvel, Emily G	1531	Katelyn Riddle† Jacob Alan Malone‡	Assessing Arsenic Contamination in Soil: A Secondary Analysis of Airport Site Data
Mashaollahi, Amirhesam	7022	Nathan Xuheng Li† Vatsal Sanjeevkum Dudhaiya† Tingyu Yin† Rachel Catherine D'Souza† Purav Matlia† Isaac Kojima Shane†	Streamlining Proteomics Data Analysis: A Full-Stack Application and Statistical Pipeline for Enhanced Accuracy and Interpretation
Mason, Asher Erik	9000	Eshaan Agarwal†	Modular Soft Assemblies with Independent Cells
Masta, Stephanie	1046	Sabina Kaur Dhindsa†	Examining Collegiate Athlete Activism and Its Impact on Higher Education
Matarazzo, Thomas	1373	Gautam Namjoshi† Philip Williams† Ethan Espinosa†	Operational Modal Analysis of the Bear Mountain Bridge
Matosevic, Sandro	1149	Drake William Strait† Kyle Kai-Yuan Han†	Improving NK Cell Function in Solid Tumors for Immunotherapy
Matosevic, Sandro	7064	Khanh Ha Nguyen†	Engineering Stable HEK293T Viral Production Cells to Achieve High Lentiviral Vector Titer for Cell-based Immunotherapy
Matosevic, Sandro	7108	Luke Nathaniel Abram†	Genetic Engineering of SLC1A5 for Improved NK Cell Metabolism Against Brain Tumors
Mattes, Richard D	1031	Yixin Chen†	Ultra-processed food: industrial food processing and palatability effects on appetite and gastrointestinal transit time
Maurel Oujia, Thibault Moli	1761	Eylul Ustaoglu†	Visualizing microscopic shock physics

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Maybee, Clarence	1417	Caitlyn Yuchong Cai† Skyler Rose Mofle† Shree Krishna Tulasi Bavana†	How Student Journalists Perceive and React to Information Challenges in the Field of Journalism
Maybee, Clarence	7066	Makenzie Lee Albert† Taylor Gloria Vic Graham† Yaajushi Valluri† Margaret Elizabeth Collins*	How Audience Relations, University Practices, and Logistics of Student Journalism Impact the Journalistic Practices Used by Student Journalists
Maybee, Clarence	7092	Norah Ann Wills† Harsha Bansiwal† Sophia Victoria Pimentel†	The Implications of Information Challenges on Student Journalists
Mbewe, Rose	1473	Zainub Aamir Kokan† Amanda Reese Catey* Lydia Sue Gonzalez* Hannah Krouse*	What Needs Do Parents and Youth Have That Can Be Fulfilled With an Afterschool Program?
Mbewe, Rose	7095	Amanda Reese Catey† Zainub Aamir Kokan* Lydia Sue Gonzalez* Hannah Krouse*	Supporting Youth Learning and Development in an Afterschool Program
McClymont, Malcolm Lloyd Seib	1088	Dhruv Roopchand Khatri† Tri Than†	DDR4 DRAM Controller Design for Accelerated Matrix Processor
McClymont, Malcolm Lloyd Seib	1094	Saandiya KPS Mohan† Vinay Pundith* Charles James Wagner*	Accelerated Matrix Processor - Convolution Acceleration Architecture
McClymont, Malcolm Lloyd Seib	1765	Charles James Wagner† Vinay Pundith† Saandiya KPS Mohan*	Accelerated Matrix Processor - Systolic Array
McClymont, Malcolm Lloyd Seib	7103	Aishwarya Saikrupa Anand† Seongjoong Yim† Devin Singh*	RISCV Multicore Extension and Benchmarking
McClymont, Malcolm Lloyd Seib	9002	Pranav Bantval† Arnav Pravinkuma Namdev† Advay Welling† Jai Anand Keskar† Minh Huy Nguyen†	Matrix Multiplier Engine
McClymont, Malcolm Lloyd Seib	9007	Matthew Du† Jeet Chandresh Jagad† Amogh Shivanand Havanagi† Lucas Michael Mallen† Nicholas Zhang†	Computational Arithmetic Logic CALC (CALC)
McClymont, Malcolm Lloyd Seib	9008	Genci Duraku† Arjun Julius Siderys† Jack Spenser Zimmerman† Arina Harlanovich† Noah Everett Desserich† Austin Salomon Guerrero†	Digital Stopwatch
McClymont, Malcolm Lloyd Seib	9022	Nicha Muninnimit† Matthew S Pung† Vidyut Karur Suresh† Nhu Thanh Quynh Ta† Peter Alexei Kaya Gretchikha†	ASIC Implementation of a Digital Audio Synthesizer
McCoy, Anna	1574	David H Zis†	How Students Interpret Variability between Categorical and Quantitative Scatter Plots
McGowan, Bethany	1091	Riley Ann Knudsen†	A Scoping Review of Patient-Centered Communication in Healthcare: an International Comparison of Curriculum and Recommendations
McGowan, Bethany	1113	Mason Talavou Al Martin†	Indigenous Cultural Preservation and Economic Development through Tourism- A Scoping Review
McGowan, Bethany	9028	Tejasi Raghuprasad†	Building Resilience Through Transparency: The Critical Role of Information Access in Public Health Policy

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McIntosh, MacKenzie J	1022	Lindsay Rebecca Brncick† Julia Lynn Flowers‡	Measuring the Immune Response in Mouse Tumor Models Treated with Attenuated Salmonella Anticancer Bacteria Strains
McKinney, Jason Dwight	1035	Ethan Chieng Chiao†	Pulse Shaping With Integrated Chirped Photonic Bragg Gratings
McKinney, Jason Dwight	1505	Rohan Imhotep Ojha†	Y-Branch Splitter Optimization using with Finite Difference Time Domain (FDTD) Solver
McKinney, Jason Dwight	1697	Mohit Manna† Thomas Allen Greer‡	QUIP Waveguide affects.
McNeese, Hannah Casey	1059	Jonathan Lester Flinn†	Sublethal Impacts of Bio-Ex ECOPOL A 3%, a Fluorine-Free Foam Alternative, on American Bullfrog Larvae (Lithobates catesbeianus) activity.
McPherson, Paul B	1348	Christopher Dawkin Tanjutco† Jesse Basham† Spencer Russell Fiddler† Adan Rosales† Jackson Thomas St Myer† John G Burrell†	Recycled Plastic Tree Tube Project
McPherson, Paul B	7219	Christopher Dawkin Tanjutco† Jesse Basham† Spencer Russell Fiddler† Adan Rosales† Jackson Thomas St Myer† John G Burrell†	Recycled Plastic Tree Tube Project
Mehta, Shubh Parag	1144	Samskrithi Sivakumar†	GUI-Based Segmentation and Quantitative Analysis of Aortic Aneurysms in M-Mode Echocardiography
Meister, Ryan Michael	1275	Aishwarya Kunigal†	Analyzing and Comparing Tibial and Femoral Bone Loss Patterns Following ACL Rupture
Meister, Ryan Michael	1723	Amrita Rani Raparti†	Expression of Inflammatory Genes in a Model of Post-Traumatic Osteoarthritis
Mesa Agudelo, Juan Camilo	1012	Twinkal Barai† Aidan Hirsch† Ian Kwan Yin Lam† Kelly Hsieh Lin† Hamsikasree Vedavinayagam† Parth Kapila† Shreya Krishnan‡ Cailyn Elizabeth Bowerman* Elena Anne Lehner*	Gamification of Pediatric Rehabilitation Exercise for Brachial Plexus Injuries
Met Hoxha, Erisa	1271	Linnaea Eileen Krupke†	Biological and Behavioral Effects of PCOS on Cognition
Metzger, Brian Patrick Ha	7007	Michael David Gardner† Rachel Marie Isaac*	The Evolution of Tyrosine Kinase Activity and Chance, Contingency, and Necessity in Evolution
Meyer, George W	1671	Shoshana Sakara Keim†	Metabolic Mechanisms Preventing Juglone Autotoxicity In Black Walnut
Meyers, Brett A	1289	Kara Rochelle McCrindle† Jennifer Heather Quercioli†	Additive Manufacturing of 3D-Printed mBTT Shunt Phantoms for Hemodynamic Analysis of Shunt Parameters
Meyers, Brett A	1440	Mikyla Farnell† Kelly Hsieh Lin† Somya Gupta†	Automated Skin Layer Segmentation in Histology Images: A Comparative Analysis of Deep Learning Methods
Meyers, Brett A	7036	Haseung Jun†	Enhancing Diagnostic Accuracy of Atrioventricular Valve Regurgitation in Single Ventricle Hearts Using Machine Vision Algorithms

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Meyers, Brett A	7068	Jiwon Seo† Sai Aiswarya Sadagopan† Samskrithi Sivakumar† Jinhwan Kwon† Anika Mathur†	Deep Learning for Enhanced Subvisible Particle Analysis in Auto-Injector Devices
Miao, Zichen	1000	Colby Ben Acton† Alexander Peter Siladie† Gaetano Antonio Iannotta† Ryan James Hirsch† Vaibhav Charan† Apostolos Adam Cavounis† Shrish Mahesh† Samuel Enoch Jebaraj‡ Saimaurya Kanagala‡ Shrey Agarwal‡ Sun Hong H Park‡ Kaya Tacer‡ Sarath Rajesh‡ Ruhaan Batta‡ Rohini Pillai‡ Yu-Kuang Chen‡ Sai Maanasa Gogula‡ Zhenghao Xu‡ Jake Alan Patterson‡ Amey Bhandari‡ Keshav V Sreekantham‡ SuHan Cheng‡ Ziang Wang‡ Tri Quang Vo‡	VIP - AI for Education
Miao, Zichen	7003	Zhenghao Xu† Colby Ben Acton† Alexander Peter Siladie† Samuel Enoch Jebaraj† Saimaurya Kanagala† Ryan James Hirsch† Shrey Agarwal† Sun Hong H Park† Kaya Tacer† Sarath Rajesh†	AI for Education
Michalski, Greg M	1693	Katherine Ma† Jayaditya Borah† David Zhou Erickson†	Deciphering Sulfate Aerosol Formation and Processing: Integrating Observations and Modeling for Enhanced Atmospheric Predictions
Michalski, Greg M	1750	Thomas Preston Temperley† Nathan Nguyen‡	Oxygen-18 Enhanced Atmospheric Chemistry Modeling: Improving Air Quality Predictions
Michalski, Greg M	7126	Nathan Nguyen† Thomas Preston Temperley‡	Refining Atmospheric Chemistry Models: The Role of O-17 in Tracing Oxidation Reactions
Milisavljevic, Danny	1049	Benjamin David Duttlinger† Elijah Scott Forbes† Michael Vic Paulson† Adina Ioana Margineantu†	Evaluating the Effectiveness of Transient Prioritization Algorithms for Follow-Up Observations in Modern All Sky Surveys
Milisavljevic, Danny	1152	Madeline G Taylor†	Can Radio Data Help Us Understand the Late-Time Optical Emission of Core-Collapse Supernovae?
Milisavljevic, Danny	1332	Likith Reddy Singam† Jack Harrison Reynolds† Lucas Michael Rulo† Yana Manishkumar Shah† Hermes Heng-yu Fu† Millan Shah Kumar† Tyler Mitchell†	Simulating a Quantum Walk as Hawking Radiation

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Milisavljevic, Danny	1518	Shawanwit Poomsa-ad† Vincent Cody Stavig† Abhiansh Parwal† Marygrace Michelle Fagan†	Optical Rebrightening of Supernovae through ZTF Forced Photometry data.
Milisavljevic, Danny	1544	Dean Patrick Shock† Tiancheng Zhang† Camden Michael French† Dominic J Harbin†	Automating the Discovery of Tidal Disruption Events
Milisavljevic, Danny	1614	Lauren M Burch† Sam Brody Waymire† Jacob Nicholas Rytczak† Amit Valluri†	Searching For Precursor Lightcurve Data Using ZTF Forced Photometry
Milisavljevic, Danny	1709	Cadance William Lucas Ormsby† Vincent Xavier Velasquez† Tianhe Yang†	An Attempt at Identifying Tidal Disruption Events through ZTF
Miller, Claire Elizabeth	1271	Linnaea Eileen Krupke†	Biological and Behavioral Effects of PCOS on Cognition
Miller, Monica	1255	Faiz M Inamdar†	Analysis of Icosapent Ethyl Eligibility in Post Acute Myocardial Infarction Patients
Miller, Monica	9101	Alexis Marie Nash†	Outcomes and Adverse Effect Rates of St. Bartholomew's Hospital CAR-T Therapy Patients Versus Clinical Data
Miller, Monica	9102	Chau Phan†	Analyzing the utility of a new medication administration dashboard for mediation safety at a hospital in London, England
Miller, Monica	9103	Cassandra Ruml†	Evaluation of pain management in an Adult Critical Care Unit following cardiac surgery
Miller, Renee Chantal El	1501	Ishita Mukadam†	Establishing temporal bone quality changes in progressive chronic kidney disease (CKD)
Milne, William	1043	William Rowan Cunningham† Kathy Niu†	Supervisor for Embedded Systems
Min, Byung-Cheol	1654	Arjun Sandeep Gupte†	Preference-based Reinforcement Learning with Multimodal Feedback from Foundation Models
Mishra, Ribhav	1300	Joliene Ruth Munson† Navnoor Kaur Mutti*	Developing an SH-SY5Y model to observe mitochondrial respiratory changes for toxicological studies
Mishra, Ribhav	1706	Navnoor Kaur Mutti† Joliene Ruth Munson*	Development of a SH-SY5Y Model to Mimic hiPCS Based Neuronal Differentiation for Toxicological Studies
Mishra, Saswat	1724	Elana Simone Rhoge†	SCALE RH: Machine Learning-Based Optimization of Materials for Microelectronics
Mitra, Harsa	7009	Annika Mallari Munjal† Emma Elizabeth Wagner† Morgan Stephens† Dipali Rebecca Abraham† Ishaan Pratap Singh† Mira Nimesh Patel† Alexander Carnevale†	Modeling Drug Transport in the Umbilical Cord: Fetal Membrane
Mitra, Harsa	7102	Dipali Rebecca Abraham† Mira Nimesh Patel† Alexander Carnevale†	Modeling Drug Transport in the Umbilical Cord: A Fluidic Approach to Pregnancy Pharmacokinetics
Mittal, Shagun	7071	Mahit Bheema†	Adaptive Trip Extraction from GPS Data: A Context-Sensitive Approach
Mizimakoski, Cora Faye	1600	Lissette Mariel Aguiar†	Elevated Oxidative Stress in the Anterior Cingulate Cortex of Welders Exposed to Manganese
Mohallem Ferreira, Rodrigo	1045	Aryaman Dewan† Malyka Ram† Priyanshu Datta Roy† Rishabh Kottakota*	Lipidomic Analysis of Crocosphaera subtropica ATCC 51142 Under Diurnal Light-Dark Cycle and Nitrogen Conditions

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Mohallem Ferreira, Rodrigo	1677	Rishabh Kottakota† Malyka Ram‡ Priyanshu Datta Roy‡	Glycoprotein Analysis of Aged Mice Brain Proteome
Mohallem Ferreira, Rodrigo	1721	Malyka Ram†	Regulation of Nitrogenase in Metallo-Protease Inhibited Cultures of Cyanobacterium Crocosphaera subtropica ATCC 51142
Mohammad, Sana Anum	1085	Colin Francis Kelly† Olivia Anne Walker†	Methods of investigation into the xylem sap microbiome of Ralstonia solanacearum resistant and susceptible tomato species.
Mohammadi, Saeed	1629	Chengyu Chiu† Isabel Alejandra Arias Zambrano† Jenna Marie Marquette† Varun Rajesh† Anusha Gambheera†	VIP Birck AP/HI ALN team
Mohammadi, Saeed	1663	Chun-Kang Huang† Pin-chen Su† Aadi Hsien-Lin Wu† Ying-Wei Lin† yoshiki takeuchi†	Techniques for Secure Integration of Commercial Dies into Silicon Substrates for Heterogeneous Integration in Low Earth Orbit Applications
Mohammadi, Saeed	1686	Ho Jun Lee† Romy Kim† Cecilie Reingaard Wiuff† CHO-YI HSIEH† Jou-Ting Lai† Aditi Magesh† Stuti Rastogi†	2.5D Advanced Packaging: Fabrication of Silica Glass Interposers for Chiplet Integration
Mohammadi, Saeed	1748	Ethan Xinghan Tan†	SCALE HIAP Heterogeneous Integration of 5G Receivers Using SAWLIT Chiplet Technology: Antenna Design and Impedance Matching on Glass Substrates
Mohammed Hamid Ibrahium, Omnia	1714	Amanda Pawlecki† Aryaman Dewan*	PASylation as a promising protein modification to prolong Interleukin 27 (IL-27) half-life
Mohammed Moursy, Abdulrahman Arafat	1675	Adrian Charlie Knoll† victoria burke‡ Alexys Parker Davis‡ Khushi Duggal‡	The Efficacy of a Racemic Delta Opioid Agonist on Binge-Like Drinking in High Alcohol Preferring Mice
Moloney, Niall Patrick	1027	Ethan Joseph Chace† Tanya Rathi† Kailey Christina Dvorak† Marvel Jiaxiang Zheng† Ryan Charles Harrison Schaeffer†	Purdue Aerial Robotics Team - Competition Airframe
Moloney, Niall Patrick	1068	Doha Bahaa Eldin Hafez† Arsanious Waseem Kamel Boushra† Vikram J Checka† Stephen Michael Tushentsov† Madison Marie Statler† Seungho Han† Soren Christophe Turner† Alexander Sau Hang Ching†	Purdue Aerial Robotics Team - R&D Avionics
Moloney, Niall Patrick	1368	Ryan H.C. Zhang† Dong Wang† Kanishk Anil Israni† Zhitian Wang† Tarik Levent Guler† Rohan Steven Quarve† Suhani Rana†	Purdue Aerial Robotics Team - Competition Software
Moloney, Niall Patrick	1425	Easton Ludeman Clark† Aidan P Pender† Yusif Shukurlu†	Purdue Aerial Robotics Team - Competition Mechanisms
Moloney, Niall Patrick	1472	William Andrew Kok† Abdulmalik Abiodun Busari†	Purdue Aerial Robotics Team - Competition Optics and Avionics

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Moloney, Niall Patrick	1559	Robert Henry Walch† Elijah Temesgen Ponds† Timber Michael Bionda† Ron Cheng Xuan Chay† Justin Sprangers†	Purdue Aerial Robotics Team - R&D Airframe and Mechanisms
Moloney, Niall Patrick	7207	William Andrew Kok† Abdulmalik Abiodun Busari†	Purdue Aerial Robotics Team - Competition Optics and Avionics
Monteith, Margo J	1414	Badreddine Bouzeraa† Emma Yue Xiao* Samantha P Mohr* Alexis Renee Rosenberg* Minnah Rafay Khawaja* Madison Nicole Collier*	Bias Confrontation & It's Relationship with Political Ideology
Moore, Alyssa Marie	1343	Erik Robert Sveen†	Efficient and Cost-Effective Enzyme Deposition onto Tissues for Mass Spectrometry Imaging using a Mini-Humidifier
Morales, Lourdes Anali	1747	Soneya Tamang†	Timing and Duration of Eating by Self-Report and Self-Taken Images and Its Link to Environmental Factors
Morphew, Jason Wade	1083	Camille Leigh Johnson†	Strategies for Implementation of Microelectronics in Engineering Education
Morphew, Jason Wade	1669	Manas Kathuria† Zhengyi Jiang* Aashvi Miten Majmundar*	Engaging the Mind and Body: A Meta-Analysis of Interactive Learning in Education
Morphew, Jason Wade	7037	Zhengyi Jiang† Manas Kathuria* Aashvi Miten Majmundar*	Embodied Learning in Statistics: Using Gestures to Enhance Statistical Reasoning of Regression and Correlation
Morphew, Jason Wade	7120	Aashvi Miten Majmundar† Manas Kathuria* Zhengyi Jiang*	Analyzing Gestures in Statistics Instruction: A Study on Digital Video Learning Environments
Mousazadeh, Hossein	7202	Yixin Chen† Ramani Satishkumar‡	iFront Door: Enhancing Community Quality of Life (CQOL) Through Digital Presence in Versailles, Indiana
Mudiyanselage, Srilani Wickramasinghe Wickramasi	1341	Canada Connor Speier† timothy Hartzer† Thomas Barstow Lambert† Destin Javai Gentillon‡ Diana Lucia Pinto Montes‡	Quantifying hydrogeological processes in the stratified-drift aquifer system of the Iroquois Till Plain using heat, geochemistry, and stable isotopes as tracers in the Ross Biological Reserve, Tippeca
Mularo, Andrew Joseph	1606	Diego Bailen Boluda† Antonio Alejandro Pinto*	Morphological changes associated with living in urban environments in invasive cane toads
Mulia, Grace E	1447	Viviana Galindo†	Exploration of IL-27 Gene Therapy in the Treatment of Acute Respiratory Distress Syndrome (ARDS)
Murbach De Oliveira, Giulia	1431	Attila Tamas Csathy† Fiona Jene Wehrle* Murat Ekin Agca*	Process Intensification for Synthesis and Purification of Oncology Drugs
Muro-Villanueva, Fabiola	1050	Maren Michele Eaton† Claire Elizabeth Nowak‡ Eleanore Margaret Malinowski‡	Coniferyl alcohol rescues aberrant root development phenotypes of Arabidopsis lignin mutants

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Murray, Renee	1742	Dean Snyder† Arnav Daryani† Marisa Jean Fredrickson† Natalia Cadence Hombs† Aryan Kaul† Hridhay Monangi† Abhik Mullick† Pratham Jigneshbha Patel† Sophia Elizabeth Steele† Aaron Parihar‡ Mark Alexander Myers‡ Daitian Zhao‡ Kyle Patrick Fox‡ Wharton Yeh‡ James Geovanny Viana Fernandes‡ Sagi Ashkenov‡ Riley Wallace Frank‡ Michael S Tarquinto‡	Machine Learning in Motion
Muthumalage, Thivanka M	1016	Arni Prakash Bhatnagar† Kirby Beck‡ Vidhi Pandya‡ Nicholas James Georgiades*	Toxicity of Menthol- and Tobacco-Flavored Electronic Cigarette Constituents Cause Inflammation, Epithelial Barrier Dysfunction and Modulate Nicotinic Acetylcholine Receptors in the Absence of Nicotine
Muthumalage, Thivanka M	1017	Anvi Bhatnagar† Nicholas James Georgiades† Arni Prakash Bhatnagar‡ Thomas John Cowden‡	Acute Exposure to Nicotine-containing Electronic Cigarette Aerosols Augment Early Molecular Changes Related to Chronic Lung Diseases in Mice.
Muthumalage, Thivanka M	7112	Andrew Patrick Folkers† Thomas John Cowden† Arni Prakash Bhatnagar‡ Anvi Bhatnagar‡ Nicholas James Georgiades‡	Systemic Inflammatory and Organ-Specific Tissue Remodeling Responses Induced by Acute Electronic Cigarette Vapor Exposure.
Myers, Kathryn Marie	1566	Samuel Alan Wieczorek† Anna Maria Seebold*	Trafficking and signaling abnormalities of the EGFRvIII patient variant
Naderi Beni, Ali	7015	Lucca Su Mo†	Pulse Flow Reverse Osmosis System for Home Scale Use
Naderi Beni, Ali	7055	Nikitha Sam† Diya Banerjee† Ryan Kumar San Juan† Nishtha Singh† Trysta Dephin Chiang† Lily Avery Waterman† Alex Joseph Nagel† Benjamin C Martin† Zihao Qin†	Development of a Novel Wave-Powered Dual-Stage Pulse-Flow Reverse Osmosis System
Nagy, Zoltan	1431	Attila Tamas Csathy† Fiona Jene Wehrle* Murat Ekin Agca*	Process Intensification for Synthesis and Purification of Oncology Drugs
Nakatsu, Cindy H	1565	Victoria Pearl White†	Arbuscular Mycorrhizae Fungi (AMF) Infection in Sorghum
Nam, Hye Seung	1423	Yoonjung Choi†	Evaluating the Efficacy of Protein Arginine Methyltransferase (PRMT5) Inhibitor in Castration-Resistant Prostate Cancer (CRPC)
Nanda, Gaurav	1141	Diya Singh†	AI-Based Walkability Ecosystem: A Personalized, Social and Adaptive Solution to Urban Mobility and Public Health
Nanda, Gaurav	1619	Adrian Arnaldo Calderon† Joon Kang†	Understanding Consumer Preferences for Sustainability in Purchasing Decisions of Everyday Products
Nareddula, Sanghamitra	1638	Mia Anne Fehlinger†	Effects of Acute Ketamine Treatment on Learning Dependent Neural Plasticity in FXS Mice Models

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Nartey, Bernard	1462	Tanay Jain† Inaki Garcia Barcena Garcia† Jennifer Yunning Lu†	AutoIC - Integration of BIM for Bridge Modeling
Narvaez, Diana Alejandra	1640	Ethan Scott Fuller† Theodore Kessid Wicker†	3D Printed Flexible Sensors
Negri, Valentina	1627	Katherine Sophia Chiparus†	Unveiling Food Waste Patterns at Purdue University
Nelson, Cole Aaron	1043	William Rowan Cunningham† Kathy Niu†	Supervisor for Embedded Systems
Nelson, Cole Aaron	1143	Devin Singh† Michael Jeffery Dick† Andrew Michael Lykken† Luca Renato Simoni†	A Chiplet Communication Protocol for Post-Tapeout Heterogeneous Integration
Nelson, Cole Aaron	1202	Fatma Mohamed Ahmed Youssef Alagroudy† Yara Ahmed Mohamed Abbas†	SoCET I2C Controller Design
Nelson, Cole Aaron	1333	Neal Sai Singh† Trent Michael Seaman† Robert Yida Zhang† Daniel Wang†	Scripting generation of System on Chip
Nelson, Cole Aaron	1362	Eileen Yoon† Seongbin Lee†	Obtaining VGA Video Output via AFTx07 FPGA Emulation
Nelson, Cole Aaron	1484	Felix Liu† Mohammed Rafi‡	A RISC-V Implementation of the Core-Local Interrupt Controller for the AFTx Series.
Nelson, Cole Aaron	1541	Aiden Hughes Sexton† Tushar Singh† Hojun Choi† Dhruv Dipesh Shah†	FatFs Kernel for AFTx07+ Microcontroller
Nelson, Cole Aaron	1570	Cecilie Zhang† Renzhi Yongtian† Atharva Umesh Bhide†	Development and Testing of the QSPI on FPGA
Nelson, Cole Aaron	1662	Andy Hanjun Hu† Mary Francis† Alexandra J Tauriainen† Dhruv Roopchand Khatri* Aishwarya Saikrupa Anand*	Improving Branch Prediction Accuracy and Minimizing Area for for a RISC-V based microcontroller
Nelson, Cole Aaron	1687	Michael Li† Yash Singh†	Integrated Chip for UART Communication
Nelson, Cole Aaron	1749	Alexandra J Tauriainen† Andy Hanjun Hu† Mary Francis†	Characterization of Branch Predictor Area for System-on-a-Chip Design
Nelson, Cole Aaron	7006	Jiaming Situ†	Reviving SLIP: Lightweight Networking for AFTx07
Nelson, Cole Aaron	7103	Aishwarya Saikrupa Anand† Seongjoong Yim† Devin Singh*	RISCV Multicore Extension and Benchmarking
Nelson, Cole Aaron	9036	Jiaming Situ† Seungho Lee† Khanh Nam Nguyen† Taviish Bothra† Arnav Dushyant Choudhry†	SLIP Project

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Newell, Brittany A	1044	Sameeksha Sekhar Desai† Pranav Sanghi† Liam M Mccormack† Steven James Van Hulle† Margulan Mukhametkarim† Ridge McCain Blankenship† Jamie Youngjin Cho† Joseph Dominic D'Alessandro† Nicholas Keir Wade† Benjamin Harris Ciliberto† Alexander T Valdes* Andrew Joseph Shelley* Alexander Kmetko* Atharva Shailendra Patil* Audrey L Williamson* Chun Yi Pham* Emily Marie Thomas* Jason Zheng*	Artificial Intelligence: Marine Maneuvering
Newell, Brittany A	1640	Ethan Scott Fuller† Theodore Kessid Wicker†	3D Printed Flexible Sensors
Newhart-Kellen, Lana J	1070	Jarren Haggard†	Elements of Art: pXRF Testing and Exhibition of Purdue
Nez, Alyssa Alexandria	1528	Collin Thomas Reagin† Prasiddhi Shivakumaran‡	Utilizing Participatory Action Research to Publish The First Yusku Mayangna Dictionary
Nguyen, Hong-Anh Alexandria	1427	Aaron Coppeta†	Investigation of a mechano-bioreactor on chemical and mechanical properties of a three-dimensional articular cartilage model
Nguyen, James Hoang	1530	Emily Lucille Richardson†	Understanding the Effects of Co-Solvents in Enhancing Efficiency and Stability of Zinc Metal Anodes
Nguyen, James Hoang	1656	Michael Louis Harrigan†	Current Matters: Unraveling "Dead" Zinc Formation in AZMBs
Nie, Linda	1093	Grace Ann Kowis†	Assessing Lead Levels in Human Bone with Portable XRF Technology
Nie, Linda	1695	Vishal Madhudi†	Optimizing X-ray Fluorescence Spectral Fitting: Transitioning Fortran Code to Python
Nilay Kumar, FNU	7051	Kenneth David Siefken†	Investigating the role of cell-cell communication and size in Calcium wave propagation
Niyazi, Alhammam Burhan A	1497	Uday Mittal†	Photocurable Gel Actuators with Engineered Microstructures for Enhanced Energy Density and Actuation
Noinaj, Nicholas	1159	Karthik Varigonda†	Cost-Effective Recombinant Protein Markers for SDS-PAGE and Western Blot Analysis
Noinaj, Nicholas	1323	Olivia Nicole Safranek† Ruoqin Rachel Yang†	Analysis of Temperature Sensitive Mutants
Noinaj, Nicholas	1730	Molly Genevieve Seeser†	ExbB + ExbD in Neisseria: a Proton Channel Protein Puzzle
Nossa, Gianna K	1600	Lissette Mariel Aguiar†	Elevated Oxidative Stress in the Anterior Cingulate Cortex of Welders Exposed to Manganese
O'Brien, Valerie Phoebe	1538	Sydnie Alexandria Scozzaro†	A Methodology for Detecting Helicobacter Hepaticus in an Inflammatory Bowel Disease Mouse Model Through Feces
O'Donnell, Thomas Kevin	9025	Evan Brent Osborne† Jayant Meenakshi Venkatesan†	Enhancing Armor Detection in Autonomous Robotics: Improving Color Classification, Contour Fitting, and Real-Time Processing
O'Haire, Maggie	1051	Shawna Lynn Edmiston†	Service Dogs for Military Veterans with PTSD: Research Design and Initial Data Collection for a Randomized Clinical Trial
Oats, Michael F	1620	Katherine Grace Camden†	Using PhiV10 NanoLuc to Detect E. coli O157:H7 in Pediatric Fecal Samples

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Oduniyi, Opeyemi Samuel	1042	Therese Richelle Cunanan† Kyle Kai-Yuan Han† Sabrina Michelle Hardy†	Impact of Arthrobacter Phage Genome Frameshift on Function and Protein Structure Prediction
Oduniyi, Opeyemi Samuel	1065	Bhoomika Kumar Gowda† AJ DiAndreth† Milena Campos Prada†	Predicting The Functions of Hypothetical Proteins Using Pymol and Alphafold
Oduniyi, Opeyemi Samuel	1201	Leilani Grace Agngarayngay† Julia Lauren Marino† Samhita Mysore Shantharam† Alexis Lucille Ador Bernal†	Bacteriophage Skitty: A Comparative Study Between the MicroProtein Gene 73 and Defined Gene 56
Oduniyi, Opeyemi Samuel	1258	Manya Devang Kadiwala† Abigail Nguyen Origer† Collin Jayson Kao† Elyse Youngstedt†	Investigating Protein-Protein Interactions for Functional Assembly in Actinobacteriophage GoldDust
Oduniyi, Opeyemi Samuel	1331	Ranen Kaiser Shakir† Eric Tate Vasser† Lauren Elizabeth Bhat† Isaac Brennan Schantz†	Molecular CSI: An Integrated Workflow Using AI-Driven Structural Modeling and Domain Microanalysis for Hypothetical Protein Annotation
Oduniyi, Opeyemi Samuel	1453	Ash Hallissey† Joshua Edward Sheldon† Ekagrah Kumar† Sara Thomason†	Comparative Analysis of Bioinformatic Programs for Bacteriophage Protein Structure and Function Homology
Oduniyi, Opeyemi Samuel	1471	Lillian Grace Knight† Michael H Wang† Reina Cristine Perl† Sabina Anna Mazur† Madeline Marie Peterson†	Exploring the Gap Moe: Analyzing Unknown Functions of Gaps in Bacteriophages AdaS and MellowYellow
Oduniyi, Opeyemi Samuel	1515	Mia Cynthia Pfeiffer† Lauren Marie Schinker† Erin E Chapmond† Kole Allen Luckett†	Close Calls: Evaluating Auto Annotation Accuracy in GeneMarkS and Glimmer in Bacteriophage Genomes
Oduniyi, Opeyemi Samuel	1607	Isaac Robert Bailey† Owen Louis Hoerner† Saydie Ann Bannister Hannah† Katy Brauer†	Fold and Behold: Predicting Protein Functions with Structural Models
Oduniyi, Opeyemi Samuel	1612	AnnaBella Marie Brown† Delilah Ruth Flora† Pooja Sriram† Madelyn Clair Watson†	Resolving Gene Prediction Discrepancies: Comparing Glimmer and GeneMark in Bacteriophage Genome Annotation
Ogas, Joseph P	1145	Shelby Sliger†	Characterization of the contribution of the Mediator complex subunit MED23 to H3K27me3 homeostasis in Arabidopsis thaliana
Ogas, Joseph P	1819	Joshua Paul Kaluf† Joshua T Stephenson*	Characterization of a Potential Role for PKL in Replication in Arabidopsis thaliana
Ogg, James G	1421	Kevin Ming Chang† Aditya Krishnan Sivathanu† Leyton Drew Bostre† Samyukta Balaji† Michael Robert Knaack† Jiali Shi† Joshua Yu-Yaw Ho† Ellis Reuben Selznick† Paolo Gabriel Gumasing‡ Jaehyuk Lee‡ Jiaqing Li‡	TimeScale Creator Online: Web Tool for Visualization of Earth

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Oguri, Kenshiro	1079	Jack William Hulbert† Shaun Nethan Artzi† Matthew Robert Dillman† Yanchen Liu† Adam David Rushdy† Andrew Alberto Fontanetta‡ Truman Quincy Howerton‡ James Shim*	Development of Synodic Orbit Cycler Targeting the Trojan Asteroids of the Sun-Jupiter L4 Lagrange Point
Oguri, Kenshiro	1292	Krish Samir Mehta† Evan Clark Paull† Conner M Winchester† Sloan Bennett McDonald† Apoorva Bahl† Kaushik G Vudathu‡	The Effect of Solar Radiation Pressure and Solar Activity Cycles on the Orbital Precession of Satellites
Ojeda Sanchez, Didier Felipe	1015	Sandra Edilia Bern†	Wettability and Condensation Dynamics on Ultrawhite Radiative Cooling Paints
Olayooye, Peter Asiwaju	1210	Grant Andrew Belush†	Developing an MRI Compatible Loading Device for Real Time Mapping of Cortical Bone Mechanical Properties via UTE-MRI
Olayooye, Peter Asiwaju	1429	Braden James Cordrey† Grant Andrew Belush†	Assessment of Bone Mechanical Properties via UTE-MRI Based on Measure of Bound Water
Olivo, Elizabeth Marie	1633	Deniz Eksioglu† Brinna M Porat†	Analysis of Ultramicroelectrode Stimulation on Animal Models
Olson, Daniel J	8007	Paige Katherine Doyle† Adam Wesley Buehrer† Hannah Marie Marlowe†	Rethinking Control Groups in L2 Pronunciation Research: Insights from a Systematic Review
Olson, Matthew	1538	Sydnie Alexandria Scozzaro†	A Methodology for Detecting Helicobacter Hepaticus in an Inflammatory Bowel Disease Mouse Model Through Feces
Onbasi, Salim Ibrahim	1089	Wojciech Jan Kielbus†	Altering Affect and Emotional Reactivity Through Exercise and Mindfulness
Opondo, Noah F	1278	Gangsan Lee† Jozue Kim† Brian Martin Dodd† Ella Gores† Haneul (Sky) Kim† Sang Soo Ha†	Metal-Insulator-Metal Capacitor SPC - MIM3
Ornek, Metin	9009	Aron Pranay Dutia†	Improving Hydroxyl Terminated Poly Butadiene Combustion Characteristics with Boron-Zirconium and Boron-Titanium
Orton, Andrea Elise	1818	Marco Alejandro Monrouzeau Vazquez†	Climatology of Tropical Tornadoes Over Puerto Rico
Orukpe Moses, Mercy Omotinume	1231	Bella Kristina Demantes†	Impacts of dengue virus nonstructural protein NS1 on viral infectivity
Ostafe, Raluca	1714	Amanda Pawlecki† Aryaman Dewan*	PASylation as a promising protein modification to prolong Interleukin 27 (IL-27) half-life
Ott, Carol A	1495	Kylie Rose Miskovic†	Expected Impact of Community-Based Education with People Experiencing Substance Use Disorder on Pharmacy Student Skill and Comfort Level with Patient Interaction
Otto, Kevin John	1633	Deniz Eksioglu† Brinna M Porat†	Analysis of Ultramicroelectrode Stimulation on Animal Models
Padmavilochanan, Durga	7206	Saadhana Kallampalli Illam†	Mel Spectrograms as a Robust Feature Set for Deep Learning based Automated Detection of Heart Murmur

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Paing, Phone Myat	1228	Daniel Choi† Hassan Al-alawi† Hunter A Mccollough† Justin Yasuumi† Armaan Kanchan† Jerry Ronald Chen† Viet Khoi Pham Khac† Shresth Mathur† Abhiram Saridena† Muhammad Zohaib Ali†	Integrating SIMT and Scalar Cores to Manage Control Flow Divergence
Paltseva, Anna Aleksandro	1563	Andrew Yang Waskin†	Otterbein Ecological Residential Improvement Plan
Pammi, Rishabh	1266	Haneul (Sky) Kim†	Investigation the Effect of UV Exposure on Carbon Fiber-Reinforced Thermoplastic Composites
Pammi, Rishabh	1529	Nathan Thomas Rice†	Metrology-Assisted Machining for Additively Manufactured Fiber-Reinforced Composite Tooling
Pan, Liang	1062	Anika Siya Garg†	Microscale 3D Printing using Volumetric and Holography Methods
Panda, Punyatoya	1045	Aryaman Dewan† Malyka Ram† Priyanshu Datta Roy† Rishabh Kottakota*	Lipidomic Analysis of Crocosphaera subtropica ATCC 51142 Under Diurnal Light-Dark Cycle and Nitrogen Conditions
Panda, Punyatoya	1677	Rishabh Kottakota† Malyka Ram‡ Priyanshu Datta Roy‡	Glycoprotein Analysis of Aged Mice Brain Proteome
Panda, Punyatoya	1721	Malyka Ram†	Regulation of Nitrogenase in Metallo-Protease Inhibited Cultures of Cyanobacterium Crocosphaera subtropica ATCC 51142
Pang, Bo	1462	Tanay Jain† Inaki Garcia Barcena Garcia† Jennifer Yunning Lu†	AutoIC - Integration of BIM for Bridge Modeling
Panjwani, Anita Aalia	7129	Grace Kathryn Adams† Adrienne M Baumann† Galit Beraja† Alec Carter Didocha†	Diet Quality and Nutrient Biomarkers - Results from the Personalized Nutrition, Education, Assessment, “Real” Food, and Lifestyle Support (PEARL) Study for Individuals with Autism Spectrum Disorde
Park, Chorong	1272	Avery Kruppe†	Exploring Older Adults’ Privacy Concerns In Robot-Mediated Data Collection
Park, Jae Hong	1600	Lissette Mariel Aguiar†	Elevated Oxidative Stress in the Anterior Cingulate Cortex of Welders Exposed to Manganese
Park, Jae Hong	7111	Shane Kevin Limas†	Monitoring the size distribution of aerosols in manual metal arc welding fumes
Park, Joon Hyeong	1278	Gangsan Lee† Jozue Kim† Brian Martin Dodd† Ella Gores† Haneul (Sky) Kim† Sang Soo Ha†	Metal-Insulator-Metal Capacitor SPC - MIM3
Park, Paul Kyu-Hwan	1133	Lucas Emanuel Rodrigues† Meghana Kumar‡	Thermal Fatigue of Adhesive Bonding in Modular Additively Manufactured Fiber-Reinforced Composite Tooling
Park, Paul Kyu-Hwan	1274	Meghana Kumar† Lucas Emanuel Rodrigues†	Thermal Fatigue of Adhesive Bonding in Modular Additively Manufactured Fiber-Reinforced Composite Tooling
Park, Sunghee	1342	Nora Mariam Sukkar†	Organoid-based study of free fatty acid-induced lipid accumulation and growth dynamics in MAFLD
Park, Sunghee	7018	Anna Catherine Dressman† Nora Mariam Sukkar*	Modeling metabolic dysfunction-associated fatty liver disease using liver organoids

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Pascuzzi, Pete E	1145	Shelby Sliger†	Characterization of the contribution of the Mediator complex subunit MED23 to H3K27me3 homeostasis in Arabidopsis thaliana
Pascuzzi, Pete E	1725	Colin David Roberson† Lonnie Wayne Schwartz‡ Vineeth Surya Narra‡	Analyzing Research Trends: Exploring PICR Research Impact, Collaborations, and Expertise with Bibliometric Data
Pasternak, Jonathan	1165	Jonica Lynn Wooton†	Detecting SARS-CoV-2, CPV, and CDV in River Otters Using qPCR
Pasternak, Jonathan	1439	Samantha Teal Fairchild†	The Effects of Induced Hypothyroidism on Intestinal Morphology in Nursery Pigs
Patel, Dhruval Natubhai	9009	Aron Pranay Dutia†	Improving Hydroxyl Terminated Poly Butadiene Combustion Characteristics with Boron-Zirconium and Boron-Titanium
Pathinarupothi, Rahul Krishnan	7206	Saadhana Kallampalli Illam†	Mel Spectrograms as a Robust Feature Set for Deep Learning based Automated Detection of Heart Murmur
Pavlishchuk, Anna	1419	Wyatt Tristan Carter†	Dextran encapsulation In Modified Coiled-Coil Peptide Nanotubes
Pearl, Carson Howard	1119	Travis James Nixon†	The Impact of Corn Hybrid and Nitrogen Fertilization on Specific Root Architecture Parameters and Root Exudation
Peng, Huiyun	7070	Rishi Mantri† Arjun Sandeep Gupte† Chien Chou Ho† Leo Deng† Michael Lie Setiawan†	Optimizing Application Software for Greater Energy Efficiency using Large Language Models
Perera, Hettiarachchige D	1229	Khushi Choksi†	Scalable tellurene/graphene heterostructure for wearable IR/NIR photodetectors
Perera, Hettiarachchige D	1681	Pranav Kumarasubramanian†	Robotic wearable textile triboelectric sensor for augmented tactile and proprioceptive perception
Peroulis, Dimitrios	1020	Jose Abraham Bolanos Vargas†	ARES: A Comprehensive RF Testing Platform for Power Amplifiers and Antennas
Pertuit, Jean	1012	Twinkal Barai† Aidan Hirsch† Ian Kwan Yin Lam† Kelly Hsieh Lin† Hamsikasree Vedavinayagam† Parth Kapila† Shreya Krishnan‡ Cailyn Elizabeth Bowerman* Elena Anne Lehner*	Gamification of Pediatric Rehabilitation Exercise for Brachial Plexus Injuries
Pessler, Devon Julia	1348	Christopher Dawkin Tanjutco† Jesse Basham† Spencer Russell Fiddler† Adan Rosales† Jackson Thomas St Myer† John G Burrell†	Recycled Plastic Tree Tube Project
Pessler, Devon Julia	7219	Christopher Dawkin Tanjutco† Jesse Basham† Spencer Russell Fiddler† Adan Rosales† Jackson Thomas St Myer† John G Burrell†	Recycled Plastic Tree Tube Project
Peters, Ryan George	1757	Cora Tolan†	HCV E1/E2 Chimeric Constructs and Their Impact on Host Cell Surface Expression
Peterson, Jonathon R	1102	Xiaoyu Liu†	Law of large number of the maximal particle in a branching system of random walks in random environment
Pfeffer, Claire M	1034	Ella Rose Deanne Chianis†	AREG signaling decreases sensitivity to therapeutic PP2A activation in pancreatic cancer

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Pfeffer, Claire M	1263	Emma Frances Kay† Ella Rose Deanne Chianis‡	Comparing the Role of PP2A-B56a and PP2A-B55a Activation in EGFR Signaling in PDAC
Pham, AnhThu	7040	Sirish Meher Reddy Kayam†	Optimizing Platinum Nanoparticle Deposition for Enhanced Stability in Electrochemical Aptamer-Based Sensors
Phillips, Bethany Ana	1432	Ronald Anton Cutler†	Measuring the Ligand Exchange Kinetics of Metal Chalcogenide Clusters
Pienaar, Elsje	7051	Kenneth David Siefken†	Investigating the role of cell-cell communication and size in Calcium wave propagation
Pike, Hannah	1100	Jocelyn E Lee†	Analysis of Neutron-Induced Degradation in Commercial Optical Transceivers
Pikes, Tyler Renee	7058	Elizabeth Christine Farrell†	MicroRNA-31 Regulates Neutrophil Migration and Activation
Pikus, Miranda Elizabeth	1115	Kaeli McGinty†	Analyzing Anisotropies in Supernova Remnant Simulations under Magnetic Fields
Pitchai, Arjun	1054	Jacob Randy Eyster†	Examining Inflammatory Outcomes in Macrophage Cells Exposed to Specialized Pro-Resolving Mediators Bound to Carbon Black Nanoparticles
Pokhrel, Geeta	1005	James Gavin Anzaldi†	Elastically Recoverable Dynamically Vulcanized Polymer Blend Nanocomposites
Polin, Abigail	1642	Roy Michael Galazka†	Extracting supernova explosion anisotropies in the power spectra of the type Ia supernova remnant SN 1006 at late times
Polineni, Ramya Chowdary	7029	Gabriel Morales Nunez† Rishita Korapati†	Smart Cookies: A Predictive Approach to Girl Scout Cookie Sales
Pollettini Marcos, Leonardo	1230	Thais da Silva Oliveira Mendes†	From Equations to Interpretations: An Engineering Student's Journey in Qualitative Research
Ponnusamy, Madhumathi	1619	Adrian Arnaldo Calderon† Joon Kang†	Understanding Consumer Preferences for Sustainability in Purchasing Decisions of Everyday Products
Popescu, Voicu S	1002	Maz Agrawal†	Interactive Skyboxes: Integrating Depth and 3D Object Reconstruction in VR
Popescu, Voicu S	1127	Mridu Prashanth†	HorizonFusion: Seamless Transitioning Between Near and Far
Porterfield, D. Marshall	1718	Adarsh Prathap† Shruti Subramaniyan† Emma Dannyelle Jobe† Atiksh Bhattacharya† Pranav Bulusu† Henry Joseph Ewald† Brasen Paul Garcia*	Project ADONIS (Astronomical Development and Operation of Neo-Moon Interstellar Systems)

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Porterfield, D. Marshall	7088	Manya Devang Kadiwala† Shruti Subramaniyan† Adriana K Sanchez‡ Brasen Paul Garcia‡ Nitya Manish Jhaveri‡ Vijay Muthukumar‡ Mia Constance Schecter‡ John Michael Peters‡ Micah David Ambrose‡ Ryan Arthur Sidney Grenier‡ Emirhan Gunes‡ Mark T Crooks‡ Nathanael Robert Herman‡ Arabella Leia Crivello‡ Elizabeth Xian-Hui Kung‡ Sonali Garg‡ Cole Anthony Massie‡ Ryan Charles Deangelis* Emma M Horn* Swastik Patel* Luke Powell Williams* Simone Xin Moulton* devyani tyagi* Spruha Jigar Vashi*	ASTRO-USA: Analog Simulation Training and Research Outpost Utilizing Self-Sustaining Architecture
Porterfield, D. Marshall	7136	Mia Constance Schecter† Vijay Muthukumar† Adriana K Sanchez† Mark T Crooks† Gregory Alfred Glenn‡ Emerson Drew Cozart‡	Utilization of Hydroponics for Self Sustainable Farming and BLSS Integration for a Closed Loop Space Habitat
Porterfield, D. Marshall	9021	Simone Xin Moulton† Adriana K Sanchez†	Mushrooms to Mars: Mycoponics™ for Diversified Product Streams in Closed-Loop Environments
Poudyal, Shishir	1757	Cora Tolan†	HCV E1/E2 Chimeric Constructs and Their Impact on Host Cell Surface Expression
Powers, Liam Thomas	1096	Madeline Zofia Kwasniewski† Brijesh B Patel*	Variable Bragg x-ray beam splitters
Pratap, Manas	1111	Jeremy Jingrui Mao†	Model optimization for nanodevices and functionalized material
Pressler, Karis	1220	Rebecca Grace Caliendo† Nayfa Johan†	Decoding College Costs: How Are Rising Tuition Prices Shaping Access and Profit?
Prissel, Tabb	1694	Abigail Colleen Mackey†	Assessing Lunar Silicic Volcanism at the Compton-Belkovich Volcanic Complex
Proctor, Caitlin Rose	1105	Mallory A Luse†	Analyzing Biofilm Growth on PVC-coated Magnetic Beads for High-throughput Microbiome Applications
Proctor, Caitlin Rose	1108	Lillian Grace Maldia†	Minimizing Inhibition of qPCR Amplification in Water Samples with Variable Metal Content
Proctor, Caitlin Rose	1741	Katie Nicole Smith†	Influence of Iron Concentration on Naegleria gruberi Survival in Pipe Biofilms
Puente, Mark Anthony	1812	HyunShu Kim†	Student Organizations Archives and the Role of Student Peer Information Consultants at Purdue University
Pujari, Anurag Rajendra	1074	Yara Zaidoun Hijaz†	Cloning and Characterizing a GH43 Enzyme from Bacteriodes for Arabinoxylan Degradation
Pulver, Benjamin Edward	7001	Gino Christian Daniels† Alexandre M Chevalier‡ John Cheng Yu Chang‡ Benjamin Andrew Velasco‡	Research and Development towards a Carbon-Fiber wire based drift chamber for Future Lepton Colliders
Qadir, Muhammad ibtsaam	1463	Saloni Jajoo†	Pre-PCI Risk Stratification

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Qadir, Muhammad ibtsaam	7131	Madison Sarah Loiselle†	Cross-Species Deep Learning: Evaluating the Generalization of Human and Veterinary Segmentation Models
Qazi, Taimoor Hasan	1030	Zhiyuan Chen†	Hydrolytically Degradable Hyaluronic Acid Hydrogels for Biomedical Applications
Qazi, Taimoor Hasan	1248	Kyle Jeffery Heaton†	Investigating fibroblast response to porous hydrogel implantation in a mouse model of volumetric muscle loss.
Qazi, Taimoor Hasan	1310	Shreya Prakash†	Hyaluronic Acid Hydrogels for Biomedical Applications
Qi, Wenzhu	1025	Gwendolyn Mae Enoy Carreon†	Effects of Proximal Phosphorylation Sites on pThr181-Tau Antibody Affinity
Qiao, Li	1358	Thomas B Wooldridge† Ishaan Breinig‡	Clean and Efficient Hybrid Propulsion System for Drones
Qiao, Li	1415	Ishaan Breinig† Thomas B Wooldridge‡	Forever-Flying Drones: Autonomous Ocean-Based Refueling Stations for Hydrogen-Powered Drones
Qiao, Li	7017	Mo Chen†	Investigating Combustion Instabilities in Turbulent Jet Ignition for Internal Combustion Engines
Qin, Tiantian	1001	Fessehaye Adal†	Heart Rate Measurement Abstract
Qin, Tiantian	1404	Colette Gabriella Bacidore† Anika Ghosh Maji† Shamita Yedlapalli† Nandini Sachdeva† Isabela Ureche†	Analyzing Trends in Post-Pandemic Purdue Computer Science Courses Over Time
Qin, Tiantian	1822	Mahith Reddy Narreddy† Prithvi R Vegesna†	Fantasy Football Predictions
Qin, Tiantian	7208	Srivatsa Kartikeya Kuchibhotla† Santhosh Vaddi†	Predictive Analytics of NBA Championship Performance Metrics: A Comprehensive 15-Year Analysis
Qiu, Qiang	1000	Colby Ben Acton† Alexander Peter Siladie† Gaetano Antonio Iannotta† Ryan James Hirsch† Vaibhav Charan† Apostolos Adam Cavounis† Shrish Mahesh† Samuel Enoch Jebaraj‡ Saimaurya Kanagala‡ Shrey Agarwal‡ Sun Hong H Park‡ Kaya Tacer‡ Sarath Rajesh‡ Ruhaan Batta‡ Rohini Pillai‡ Yu-Kuang Chen‡ Sai Maanasa Gogula‡ Zhenghao Xu‡ Jake Alan Patterson‡ Amey Bhandari‡ Keshav V Sreekantham‡ SuHan Cheng‡ Ziang Wang‡ Tri Quang Vo‡	VIP - AI for Education
Quinn, Adam Robert	1092	Norah Riley Kopolow†	Dietary Fibers and the Gut: A Functional Approach to Microbiome Assessment
Radhakrishnan, Anukrishna	7130	Dhriti Manish Laddha†	Iron Nanoparticle and Radiation-Induced DNA Damage with Intracellular Calcium Quenching in Triple Negative Breast Cancer (TNBC)
Radhakrishnan, Dhinesh Balaji	1631	Stephanie Close† Darren Soo ahm Hwang†	EngStarter: A Microelectronics Kit for STEM Education in Fragile Contexts

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Radhakrishnan, Dhinesh Balaji	7020	Maerianna Jane Artang†	Identity Negotiation among LGBTQ+ Youth Experiencing Housing Insecurity through a Localized Engineering Program
Raghavan, Siddeshwar	1240	Connor Bradley Frey† Joonyeoup Kim† Piotr Stanislaw Nabrzyski† William Benjamin Tao†	Continual Learning for Calorie Estimation of Food Items
Raghunathan, Anand	1094	Saandiya KPS Mohan† Vinay Pundith* Charles James Wagner*	Accelerated Matrix Processor - Convolution Acceleration Architecture
Raghunathan, Anand	1568	William Wong† Yue Yin† varun Vaidyanathan†	Memory Subsystem Implementation for Accelerated Matrix Processor
Raghunathan, Anand	1703	Christopher Daniel Miotto† Joseph Alan Ghanem† Chase Yungmin Johnson†	Accelerator Matrix Processor (AMP) - Advanced Architecture
Raghunathan, Anand	1746	Nick Taha† Pierce Yungjoon Johnson† Rishikesh Reddy Bathina† Argha Badhon Saha† Fan Jing Hoon‡	Accelerated Matrix Processor (AMP) - Scheduler Core
Raghunathan, Anand	1764	Pranav Wadhwa† Kevin Luke Phlips†	Accelerated Matrix Processor - Simulator
Raghunathan, Anand	1765	Charles James Wagner† Vinay Pundith† Saandiya KPS Mohan*	Accelerated Matrix Processor - Systolic Array
Rahman, Md Ashiqur	1356	Lily Avery Waterman† Ishan Gopu Nair‡	Utilization of Various Nanofillers for Increasing Membrane-Based Dehumidification Efficiency
Raja, Ajith Kumar	1288	Leo Pearson Malachowski† Pei-Chi Liu†	Power Integrity Analysis for Post-Layout VLSI Design
Rajendran, Sathish	1330	Netra Ashish Shah†	Topology Distorted Amorphous Metal-Organic Framework For PFAS Removal in Water
Ramakrishnan, Monica	7129	Grace Kathryn Adams† Adrienne M Baumann† Galit Beraja† Alec Carter Didocha†	Diet Quality and Nutrient Biomarkers - Results from the Personalized Nutrition, Education, Assessment, “Real” Food, and Lifestyle Support (PEARL) Study for Individuals with Autism Spectrum Disorde
Ramirez, Paulo	1079	Jack William Hulbert† Shaun Nethan Artzi† Matthew Robert Dillman† Yanchen Liu† Adam David Rushdy† Andrew Alberto Fontanetta‡ Truman Quincy Howerton‡ James Shim*	Development of Synodic Orbit Cycler Targeting the Trojan Asteroids of the Sun-Jupiter L4 Lagrange Point
Ramirez, Paulo	1292	Krish Samir Mehta† Evan Clark Paull† Conner M Winchester† Sloan Bennett McDonald† Apoorva Bahl† Kaushik G Vudathu‡	The Effect of Solar Radiation Pressure and Solar Activity Cycles on the Orbital Precession of Satellites
Ramkumar, Abhinav	1461	Prashant Iyer†	Using neural networks to predict microstructure evolution in granular materials
Ramos, Jakob Isaiah	1221	Caroline Marie Cameron†	SCALE HI-AP: Electromigration Failures in Cu-micro bumps with Sn-Ag solder caps
Ramshanker, Abinands	1253	Weichih Hsieh†	SoCET digital circuit design
Ramshanker, Abinands	9011	Seongwon Hong† Raghav Srivaths† Benjamin Eunsang Ryu† Henan Wang†	SoCET-Test Engineering

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Ranasinghe, Samitha	9025	Evan Brent Osborne† Jayant Meenakshi Venkatesan†	Enhancing Armor Detection in Autonomous Robotics: Improving Color Classification, Contour Fitting, and Real-Time Processing
Ranasinghe Mudiyanselage, Wikum Roshan Ban	1501	Ishita Mukadam†	Establishing temporal bone quality changes in progressive chronic kidney disease (CKD)
Ranasinghe Mudiyanselage, Wikum Roshan Ban	1808	Irfan Firosh†	Dynamic cortical pore tracking method for chronic kidney disease patients
Rapp, Lainie Jane	1738	Pranav Singh† Colby Strohl† Bella Irma Schaetzle† Clara Marie Anne Goffioul† Cassius Samuel Sampson† Simran Nadig† Nathanael Adrian Lorincz† Tatiana Varela* Ananya Prasad*	Multifunctional Materials in Aerospace Applications to Drone Landing Gear
Rastgaar, Mo	7002	Johnny Kamal Anton Hazboun† Aidan Cole Villegas†	Smart Prosthetics Through Deep Learning: A Comparative Study of Neural Architectures for Real-Time Activity Recognition
Rastgaar, Mo	7212	Nay Naing† Carolina Bobadilla†	Designing Healthcare Robotics: Biomimetic Prosthetic Hands for Secondary Education
Raudabaugh, Daniel B	1086	Samantha Nicole Kessel†	The Diversity of Saprotrophic Fungi Degrading Environmental and Anthropogenic Substrates
Raudabaugh, Daniel B	1106	Robert james Lyon†	The Effects of Various Materials on the Reclamation and Germination of Fungal Spores.
Raudabaugh, Daniel B	1215	Brieana Elise Branton†	The Isolation of a Novel Cystobasidium sp. Using a Differential Density Centrifugation Method
Raudabaugh, Daniel B	1216	Josephine Capwell Brigham†	Isolating Bryophyte-Associated Fungi and Assessing Their Pathogenic Potential
Rausch, Steve Clayton	1813	Carson G Bellak†	India 5 - Cotton Team
Rausch, Steve Clayton	9022	Nicha Muninnimit† Matthew S Pung† Vidyut Karur Suresh† Nhu Thanh Quynh Ta† Peter Alexei Kaya Gretchikha†	ASIC Implementation of a Digital Audio Synthesizer
Rayarikar, Advita	1707	Anaey Gaurang Naik†	How university students perceive and use data storage and repository tools, with a particular focus on Airtable's ease of use and ability to handle complex workflows in collaborative settings.
Reddivari, Lavanya	1498	Ashley Zaira Mohammed†	Stabilizing anthocyanins through pectin interactions
Rediker, Noah Mitchell	1293	Heran Leonardo Mei†	Enhancing ECElabs.io: Porting the Logic Gate Diagram Page to Vue for Improved Usability and FPGA Integration
Reger, Ronald K	1278	Gangsan Lee† Jozue Kim† Brian Martin Dodd† Ella Gores† Haneul (Sky) Kim† Sang Soo Ha†	Metal-Insulator-Metal Capacitor SPC - MIM3
Reibman, Amy R	1622	Shaan Jitesh Chanchani† Claire Seol Kim† Joshua C Mansky† Zian Pan† Medhashree Parhy† Parth Thakre†	Improving Pose Estimation for Antelopes
Reich, Andrew	1625	Marianna Chicas†	Peptides for Cell Penetration

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Renkert, Sarah	1069	Jarren Haggard† Juniper Rodriguez†	The Boilermaker Food Security Project: Multidimensional Analysis of Campus Food Experiences
Reppert, Michael Earl	7074	Sarah A Alvarez†	Exploring Protein Environmental Effects on the Vibrational Spectrum of Chlorophyll a at Room Temperature
Reynolds, Jeremy E	7012	Julieta Claudia Aguilar†	More than Financial Risk: Harassment and Financial Dependence in the Gig Economy
Richards, Elizabeth A	1141	Diya Singh†	AI-Based Walkability Ecosystem: A Personalized, Social and Adaptive Solution to Urban Mobility and Public Health
Rickert, Thomas J	1078	Reetika Ranjeet Hogade†	How telemedicine platforms can be leveraged to improve mental health accessibility and outcomes for teens and young adults in rural areas
Rickert, Thomas J	1459	Sabrina Nicole Hornung†	Artificial Intelligence in Dentistry: Utilizing Diagnostics Interpreted by AI to Enhance Patient Understanding of Oral Health in Rural Areas
Rickert, Thomas J	1763	Sophia Marielle Vina†	Generative AI in Narrative Medicine: Strengthening Patient-Physician Relationships in Rural Healthcare
Rienstra-Kiracofe, Jonathan C	1311	Olivia Marie Raab† Noelle Marie Voglewede*	Simultaneous Use of a Lab-Realistic Virtual Teaching Experiment Alongside an In-Person Experiment Improves Students' Academic Performance and Enjoyment of the Lab Experience.
Ringenberg, Tatiana	1313	Reeya Ramasamy†	Fantasy Disclosures in Bad Parent and Peer Groomer Chats
Ringenberg, Tatiana	1449	Doetri Ghosh† Madhu Joshi‡	"He's Like FBI But Not": Exploring Humor and Aggression in Vigilante Legitimacy
Ringenberg, Tatiana	7113	Jennifer L Harvey†	Student Identification of Persuasion Strategies in AI-simulated Financial Scams
Ripberger, Adeline Nora	9016	Andrew Hanchen Liu† Lucas David Gorretta† Colin H Reilly*	Feel and Control: Improving Damping in Tennis Rackets
Rishabh, Kumar	1149	Drake William Strait† Kyle Kai-Yuan Han†	Improving NK Cell Function in Solid Tumors for Immunotherapy
Ristroph, Kurt	7085	Laurian Kate Lien†	Adaxial versus Abaxial Translocation in Dicots for Organic Nanocarriers Produced via FNP
Rivas, Jose R	1512	Mariana Peres Duarte†	Temporal Coding in Viscoelastic Multistable Bits
Rivera Gonzalez, Orlando Gabriel	1015	Sandra Edilia Bern†	Wettability and Condensation Dynamics on Ultrawhite Radiative Cooling Paints
Roach, Mikayla Angelique	7054	Allison Faye Matovic†	Using RNA Sequencing to Evaluate Exercise as an Intervention for Unloading-Induced Joint Degeneration
Robbins, Jarrod F	7015	Lucca Su Mo†	Pulse Flow Reverse Osmosis System for Home Scale Use
Robbins, Jarrod F	7055	Nikitha Sam† Diya Banerjee† Ryan Kumar San Juan† Nishtha Singh† Trysta Dephin Chiang† Lily Avery Waterman† Alex Joseph Nagel† Benjamin C Martin† Zihao Qin†	Development of a Novel Wave-Powered Dual-Stage Pulse-Flow Reverse Osmosis System
Robbins, Paul A	1120	Oyindamola Olutofunmi Odelowo†	Traumatic Brain Injury and Contact Sports on Cognitive Performance

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Robbins, Paul A	1491	Charles W Mann† Blessing Adomale Lesi† Khanh Ha Nguyen‡	Using ABCD Data to Identify Cardiovascular Protective Factors Among Black Youth
Robinette, Alexia Lynn	7061	Mia An-Mei Schmetter† Abigail Foley*	Effects of Hearing Impairment and Cognitive Load on Postural Sway
Rochet, Jean-christophe	1025	Gwendolyn Mae Enoy Carreon†	Effects of Proximal Phosphorylation Sites on pThr181-Tau Antibody Affinity
Rodriguez, Natalia Maria	1116	Shivani Naayak† Arshia Bhuvana Rama‡ Lauren M Hopkins‡ Gavin Sung-Hei Chiu‡	Understanding Experiences and Beliefs Surrounding Cervical Cancer Among Women Experiencing Homelessness
Romanovich, Olivia Ryan	1747	Soneya Tamang†	Timing and Duration of Eating by Self-Report and Self-Taken Images and Its Link to Environmental Factors
Rony, Monoranjan Debnath	1803	Junwoo Jang†	Femtosecond laser annealing of HfZrO2 (HZO) thin films: Effects on Crystallization, Ferroelectricity and Optical Properties.
Rosell, Carla B	1013	Calla Grace Bauman†	The Shot That Saves Lives
Rosell, Carla B	1023	Aiden Abhimanu Bunnell†	Mental health effects of high-rise living
Rosell, Carla B	1122	Anjali S Patel†	Melodic Medicine: Exploring the Impact of Music Therapy on Individuals with Aphasia
Rosell, Carla B	1350	Keely Shea Vanhorenbeck†	Cosmic Clutter
Rosell, Carla B	1436	Emily Hannah Duong†	The Transgender Avatar: Self-Perception in Video Game Character Creation
Rosell, Carla B	1483	Andrew David Linerode†	Evaluating the Effectiveness and Limitations of Animal-Assisted Therapy for Children with Disabilities
Rosell, Carla B	1525	Jeffrey Jesus Quintanilla†	The Future of Biodegradable Implants: Enhancing Healing and Reducing Surgical Complications
Rosell, Carla B	1564	Emily Wei†	Affordability of Prosthetic Devices
Rosell, Carla B	1572	Hantao Zhang†	Losing Credit on Credit Cards?
Rosell, Carla B	1610	GeonHyo Beom†	AI Use in the Marketing Industry
Rosell, Carla B	1616	Emily Sophia Burrow†	Ozempic: Saving or Breaking Lives?
Rosell, Carla B	1639	Noah Enrique Frances†	Overcoming Natural Disasters
Rosell, Carla B	1696	Tisya Mahajan†	How has the xenophobia trend towards Asians on social media since COVID-19 impacted consumers of such content?
Roth, Thomas Edgar	1665	Arnav Jadhav† Christian Scheckel† In Jun Baek† Keshav Shylesh† Charles Spencer Bowles† Tanvi Chukka† Jinhoo Yoon†	Numerical Techniques for Efficient Full-Wave Modeling of Circuit Quantum Electrodynamic Devices
Roth, Thomas Edgar	1728	Annabelle Rose Schultz† Annsh Santosh Navle† Christian Scheckel† Jack Thomas Willard† Jinhoo Yoon† Tanvi Chukka† Tylen Sean Fleming†	Creating Comprehensive Modeling Tools for Simulating the Dynamics of Multi-Qubit Superconducting Systems Embedded in Arbitrary Transmission Line Networks
Rouhani, Seyedehmarzieh	1060	Manuel Ashraf Melad Gad† Kerollos Ehab Matta Yanny†	Design and Implementation of a 2.4 GHz Local Oscillator for Energy-Efficient Wi-Fi RF Receivers in Low-Power Applications
Rounds, Ace	7059	James Thomas Pittard† Mason Patrick Julius Levere† Sydney Metz†	Automation Methods for Gamma Ray Spectroscopy and Data Analysis
Ruan, Xiulin	1015	Sandra Edilia Bern†	Wettability and Condensation Dynamics on Ultrawhite Radiative Cooling Paints

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Ruan, Xiulin	1817	Jose Prieto Innes†	Comparison of orientation of hexagonal Boron Nitride nanoplatelets in biodegradable films
Ruan, Xiulin	7089	Jonathan Steven Hickle†	Machine Learning driven characterization of thermal conductivity in materials
Rudd, Trexie M	1344	Emma Swanson† Evan Graham Coblentz‡ Rhea Chintan Shah‡ Avery Grace Brubaker* Caroline Rhea Packee*	HPV Vaccine Recommendations: Influencing Change Through Information Provision at No-Cost Vaccine Clinics
Rudd, Trexie M	7010	Caroline Rhea Packee† Avery Grace Brubaker† Evan Graham Coblentz‡ Emma Swanson* Rhea Chintan Shah*	Prioritization of HPV Vaccine Preventable Diseases Among Emerging Adults – Implications for Health Education and Communication
Rui, Yichao	1119	Travis James Nixon†	The Impact of Corn Hybrid and Nitrogen Fertilization on Specific Root Architecture Parameters and Root Exudation
Ruiz Velasquez, Jhoan Andres	1476	Julia Ku†	Direct Conversion of Sulfide to Selenide Phase of Cu(In,Ga)(S,Se)2 (CIGSSe) via Se Vaporization
Sadik, Farhan	1114	Vedha Masuraha†	Advanced Imaging Techniques for Characterizing Bound Water, Porosity, and T1 Relaxation
Sadik, Farhan	7034	Anika Mathur†	Utilizing the CycleGAN Architecture for Motion-Correction in HR-pQCT Imaging
Sahin, Burkay	7103	Aishwarya Saikrupa Anand† Seongjoong Yim† Devin Singh*	RISCV Multicore Extension and Benchmarking
Salim, Rahaf	7119	Luke Brian Johnson† Shreya Prakash† Ariel Scout Hudson† Uday Mittal† Supreet Mishra† Anjan Nanisetti† Ayush A Kabirpara‡ Isha Varshney‡ Rishaan Ponna‡ Zion Maurice Julius Hackett‡ Krish Majumdar‡ Ishana Didwania‡	Restoring Functional Independence: A Grip-Assistive Glove for Muscular Dystrophy through Responsive Motor Control
Sanford, Laura Mae	7065	Oliver Hu†	Optimization of Diphyllin Analog Solubility for Ebolavirus Treatment as a V-ATPase Inhibitor
Sankaranarayanan, Karthik	7039	Danny Andre Thornewell†	Multi-step Enzymatic Retrosynthesis using Monte Carlo Tree Search
Santagata, Maria Caterina	1040	Grace Margaret Costello†	Image-based Analysis of Silicone-Encapsulated Particle Attenuation
Santagata, Maria Caterina	7067	Emily Katherine Slotegraaf† Tai S Hsu*	Laponite-based clay inks for natural material 3D printing
Santiago Vargas, Alex David	1020	Jose Abraham Bolanos Vargas†	ARES: A Comprehensive RF Testing Platform for Power Amplifiers and Antennas
Santoyo-Angulo, Valentina	1061	Rebecca Gao† Ruchi Rajesh Patel‡ Tricia Isabel Sy‡ Lourdes Olivia Bengero‡	Community health workers in supporting lung cancer screening in the United States: A systematic review
Sari, Pamela	1218	Gael Calderon Sermeno† Michelle Wan† Reese Caroline Pinkley‡ Ana Elena Pasi Rojas*	Using Music Therapy to Uncover Asian/American Teen Archetypes
Sari, Pamela	1812	HyunShu Kim†	Student Organizations Archives and the Role of Student Peer Information Consultants at Purdue University

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Sari, Pamela	7042	Jae Yon Kim†	Cultivating Cultural Awareness and Professional Growth: Reflections on Internship Experiences at Purdue's AAARCC.
Sari, Pamela	7110	Michelle Wan†	Music's Impact on Asian/American Adolescents
Sarmiento Huertas, Paula A	1536	Sarah Schloff†	Mechanical Testing Standards for Tendon - Are they Equivalent?
Saxena, Tuhina	1621	Tobias Mikael Cars†	Scalable Nanomanufacturing of Tellurene Nanowire Based Sensors for Pulse Monitoring
Saxena, Tuhina	7087	Zixuan Fei†	ZnO Nanowire-Based Wearable Sensor for driver health Monitoring
Scarfo, Jack	1460	Cheyenne Mie Huggins† Samridhi Kakkar† Linda Ronglin Xu† lance Ma† Nicholas Gentry Viardo†	VIP EdTechDev: Developing an Accessible Physical Computing Course
Scarpelli, Matthew Louis	1319	Justina Joy Riffell† Anna Polkowski†	Customizing Grid Collimators with 3D printing for Optimized Spatially Fractionated Radiotherapy
Scarpelli, Matthew Louis	1712	Neha Paruchuri†	Analysis of nanoparticle effects via histology
Scarpelli, Matthew Louis	7130	Dhriti Manish Laddha†	Iron Nanoparticle and Radiation-Induced DNA Damage with Intracellular Calcium Quenching in Triple Negative Breast Cancer (TNBC)
Schellhase, Ellen M	1255	Faiz M Inamdar†	Analysis of Icosapent Ethyl Eligibility in Post Acute Myocardial Infarction Patients
Schellhase, Ellen M	9101	Alexis Marie Nash†	Outcomes and Adverse Effect Rates of St. Bartholomew's Hospital CAR-T Therapy Patients Versus Clinical Data
Schellhase, Ellen M	9102	Chau Phan†	Analyzing the utility of a new medication administration dashboard for mediation safety at a hospital in London, England
Schellhase, Ellen M	9103	Cassandra Ruml†	Evaluation of pain management in an Adult Critical Care Unit following cardiac surgery
Schinckel, Allan	7048	Abagayle Caitlin Wright† Lilly Cathleen Thomas*	Comparative measurement of sow shoulder sore response to common and novel treatments
Schlabach, Andrew Lee	1418	Enrique Camacho† Haruna Kawai† Chase John Grimm† Yilin Xu‡	Designing Standard Cell Library using Open-Source Software
Schmidt, Gudrun	1508	Franko Vinko Orszag† Donovan Kole Bear Godman†	Adhesive Trends of Zein-Tannic Acid for Biomedical Use
Schmidt, Gudrun	1551	Pim Rae Tee† Vaanathy Periyarselvan†	Performance of Plant-based Underwater Adhesives on Limestone Substrates

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Schmitt, Rodrigo Nascente	7088	Manya Devang Kadiwala† Shruti Subramaniyan† Adriana K Sanchez‡ Brasen Paul Garcia‡ Nitya Manish Jhaveri‡ Vijay Muthukumar‡ Mia Constance Schecter‡ John Michael Peters‡ Micah David Ambrose‡ Ryan Arthur Sidney Grenier‡ Emirhan Gunes‡ Mark T Crooks‡ Nathanael Robert Herman‡ Arabella Leia Crivello‡ Elizabeth Xian-Hui Kung‡ Sonali Garg‡ Cole Anthony Massie‡ Ryan Charles Deangelis* Emma M Horn* Swastik Patel* Luke Powell Williams* Simone Xin Moulton* devyani tyagi* Spruha Jigar Vashi*	ASTRO-USA: Analog Simulation Training and Research Outpost Utilizing Self-Sustaining Architecture
Schmitz, Emily Anne	7061	Mia An-Mei Schmetter† Abigail Foley*	Effects of Hearing Impairment and Cognitive Load on Postural Sway
Schober, Jenna M	7031	Grace Catherine Ayres† Gabriella Emilia Chambers† Brynn Camille Peterson† Emma Lynn Stuart† Jordan Jada Curry‡	Play that Funky Music Pekin Duck Part 2: Effects of Auditory Enrichment on production variables.
Schoenbeck, Jason	7114	Andrew Markel†	Securing Aviation Communications: A Network-Based Approach
Schulte, Jan-Frederik	1674	Anna G. Klupshas†	Quality Assurance of Macro Pixel Sub-Assemblies for the CMS Outer Tracker Upgrade
Schwichtenberg, A.J.	7043	Frances Margaret Bajorat†	The Inclusive Space Project: Adapting Physical Lab Spaces to Serve All Students
Sciascia Borlina, Caue	1692	Allison Michelle Loper†	Determining If Lunar Magnetic Anomalies Can Shield Humans from Space Radiation
Sciascia Borlina, Caue	7205	Siya Chirag Jariwala† Henry J Lee†	Creating a Framework to Integrate LiDAR Data from Caves into Classroom Virtual Reality
Sciascia Borlina, Caue	7216	Hiya Samanta†	Co-designing Student VR Experiences for Geology Course Fieldtrips
Scudder, Mary F	7101	Lynlee Morgan Rice†	Deliberative Polling: A Tool for Realizing Practical Deliberative Democracy?
Sealy, Michael P	7038	Quintin David Dumouchelle†	Acoustic Levitation for Additive Manufacturing
Searing Hettel, Audrey M	1647	Brianna Lynn Gast†	Feeding behavior and dry matter intake associated with feeding two concentrations of an Asparagopsis armata containing product in dairy cows
Searle, Catherine L	1630	Kendall Anne Claymon†	The relationship between American Bullfrog tadpole mouthpart surface area and shedding rate
Searle, Catherine L	1731	Koby M Sellner†	Just "Beet" it? A Comparison of Road Salt Effects on the Life History of Daphnia magna.
Secrist, Scotty	1058	Alexandra Sophia Finlayson†	Pregnant and Waiting: The Alarming Delays in Indiana's Prenatal Care System
Secrist, Scotty	1113	Mason Talavou Al Martin†	Indigenous Cultural Preservation and Economic Development through Tourism- A Scoping Review
Secrist, Scotty	7050	NahShon Zion Williams†	The Black Genealogical Research Project: Hill-Williams-Coleman Family of South Bend

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Sededji, Edem Fabrice	1207	Tamia A Austin† Hannah Ashley Bard*	Exploration of the Intersection of Mental Health and Lifestyle Factors Hartford city, IN
Sededji, Edem Fabrice	1609	Hannah Ashley Bard† Tamia A Austin‡	Understanding The Rural Environmental Health Landscape: Exploring The Link Between Arsenic Exposure and Cancer Rates in Hartford City, Indiana
Seetharaman, Sivaranjani	1307	Jihyo Park† Zephan Jacob Thomas† Shounak Mukherjee† Thilak Babu† Hyunsang Cho‡	Reinforcement Learning-Driven Real-Time Pricing for Sustainable EV Charging
Seetharaman, Sivaranjani	7035	Jaewon Cho† Alexa Joan Noto† Akanksh Rao† Ankitha Mallekav† Hyunsang Cho‡	Synthetic Data Generation for Enhanced Electric Vehicle Charging Demand Prediction
Seidl, Amanda	7060	Victoria Tuell†	The Impact of Children's Sensory Perception Abilities on Early Lexical Development
Seigfried-Spellar, Kathryn	1209	Brycen Jesse Baldwin† Caroline Marie Sponhauer†	"Looking for friends...:" A Case Study of the Grooming Strategies and Victim Responses for one Offender and 500 Potential Victims
Seigfried-Spellar, Kathryn	1313	Reeya Ramasamy†	Fantasy Disclosures in Bad Parent and Peer Groomer Chats
Senarath Pathiranage, Jathya Chathurika Karunathilaka	1024	Alvin Cai† Luke Wilson Heymann†	A Next-Generation Probiotic Strain Promotes Epithelial Wound Healing (Repair) after Physical Damage In Vitro
Sepulveda, Maria Soledad	1507	Rachel Christine Quisil Ordiales† Sadie Grace-Lucero Keegan†	Distribution of Biosolid-Impacted Recreational Farm Ponds Contaminated with Per- and Polyfluoroalkyl Substances (PFAS) in Indiana
Seshadri, Akul	1075	Daniel Steele Hiller†	Novel Superabsorbent Polymers for Concrete 3D Printing
Seshadri, Akul	1615	Han Burgess†	Characterization of Expanded Polypropylene Beads for Concrete
Seshadri, Akul	1755	Reece Avery Tippery†	Mechanical Characterization of superabsorbent polymer gels by spherical indentation
Shader, Maureen Joyce	1153	Taylor Alexis Teague† Cade Dale Magnuson*	Time-compressed discourse comprehension in young and older adults: behavioral and fNIRS analyses
Shahriar, Imrul	1646	John Oliver Richard Gase†	Targeted recruitment of immune effector cells for the treatment of the influenza virus
Shakouri, Ali	1360	Andrew Yuchao Wu† Chen Jyh Wong* Eunjae Yu*	Predicting Failures in Manufacturing Machinery Using AI-Based Models: Case Study of Air Compressor Health Monitoring
Shakouri, Ali	1364	Eunjae Yu† Chen Jyh Wong† Andrew Yuchao Wu*	Smart CNC Machine Tool Monitoring using Industrial IoT and Artificial Intelligence: MTConnect Data Integration and Forecasting Conductivity for Predictive Maintenance
Shannahan, Jonathan	1054	Jacob Randy Eyster†	Examining Inflammatory Outcomes in Macrophage Cells Exposed to Specialized Pro-Resolving Mediators Bound to Carbon Black Nanoparticles
Sharma, Ayushi	1351	Gaurav Vermani† Ryan Alexander Kubinski† Tzu Chieh Yi†	C-To-Rust: Standardized Dataset Creation
Sharma, Sahej	1155	Bradon Rowan Timms†	SCALE HI-AP: Spatially Identifying Defects in 2D-Logic Transistors via Photocurrent Imaging
Sharma, Shashank	1351	Gaurav Vermani† Ryan Alexander Kubinski† Tzu Chieh Yi†	C-To-Rust: Standardized Dataset Creation

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Shashurin, Alexey	1302	Rowan Hewitt Murphy† Robert Maxwell Neitzke† Fabian Noyola‡ Niousha Pajouyan‡ Aaron Roth‡ Christopher Robert Stemporzewski‡ Madeline G Taylor‡ Bailey Marie Jones‡ Lucas ChangWon Shannon‡ Ethan Julian Ramon‡	An Analysis of a Hall Effect Thruster through the Undergraduate Lens
She, Yu	1435	Thiago Gabriel Di Si†	Reinforced Learning Models for Modern Production
She, Yu	9014	Juneseok Kwon†	Object Interaction with MuJoCo Simulation
Sheeley, Thomas Rex	1117	Ainsley Marie Newett†	The Role of Fumarase in DNA Damage Repair Mechanisms
Sheffield, John W	1167	Maxim Nickolas Yamilov† Olivia Chen† Marina Mercedes San Martin Rossano† Abdullah Alkazemi† Gowri Ravikumar Bajagur‡ Isaac Yan Shek Cheng‡ Atandrila Chowdhury‡ Jayee Goh‡ James Burrell Hewette‡ Patricia Ewa Leoniuk‡ Saanvi Mahesh‡ Cam Nguyen‡ Jijnasu Prakash Rout‡ Shashank Varamballi‡ Kaylie Emerson Virkus‡	Hybrid Green Hydrogen & Small Module Reactor Technologies for Sustainable Mining
Shepard, Kyle Allen	1142	Nishtha Singh† Tanvir Kaur*	Modelling Thermophysical Properties and IMFs of Refrigerant Mixtures
Shi, Pengyi	7028	Chase Nicholas Hamdan† Yash Rajendra Ashtekar† Utkarsh Bali†	Enhancing Healthcare Decision-Making with Explainable Generative AI
Shi, Pengyi	7209	Bhavya Lakhina†	Locating health facilities to treat Substance Abuse Disorder in Democratic Republic of Congo
Shi, Pengyi	9041	Tri Quang Vo†	Explainable AI for Judicial Data
Shripal, Aakanksha Amol	1460	Cheyenne Mie Huggins† Samridhi Kakkar† Linda Ronglin Xu† lance Ma† Nicholas Gentry Viardo†	VIP EdTechDev: Developing an Accessible Physical Computing Course
Shukle, Catherine Jean	1041	Sofia Pilar Cox†	Retesting Elderly Drivers
Shukle, Catherine Jean	1093	Grace Ann Kowis†	Assessing Lead Levels in Human Bone with Portable XRF Technology
Shukle, Catherine Jean	1217	Sarah Grace Burris†	Person Over Product: Prioritizing Customer Relations Over Product Knowledge Ensures Business Longevity
Shukle, Catherine Jean	1338	Kinsley Brianne Smoot†	Resource Allocation Challenges In Athletic Training Programs
Shukle, Catherine Jean	1411	Srishti Bhatnagar†	Evaluating The United States' Vaccines
Shukle, Catherine Jean	1548	Kayleigh Camryn Stuckwisch†	Evolutionary Psychology in Relation to Serial Homicide
Shukle, Catherine Jean	1603	Peter James Arroyo†	The Environmental and Economic Impacts of Dams on the Laurentian Great Lakes: A Prescriptive Analysis
Shukle, Catherine Jean	1816	Coleton Edward Vondersaar†	Guardian Caps for Purdue Football
Shukle, Catherine Jean	7135	Abigail Marie Kiracofe†	How Engagement in the Academic Setting Allows for Improvement of Grades

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Siegmund, Thomas H	1265	Brian Arild Kelly†	Finite Element Analysis of Aperiodic Einstein Tile System
Siegmund, Thomas H	1434	Joshua Armstrong Davis†	Impact of Medullary Bone on the Fracture Toughness of Egg Laying Hens' Tibias
Siegmund, Thomas H	1534	Kaley Roe†	Impact Mechanics of Avian Collisions: Assessing Forces and Fracture Risk
Sim, Yuseop	1129	Varunavi Kaveri Raghuraman† Sucheol Woo‡ Andrew R Sheedy*	Machining Process Monitoring of Additively Manufactured Fiber-Reinforced Composites
Sim, Yuseop	1542	Andrew R Sheedy† Sucheol Woo‡ Varunavi Kaveri Raghuraman*	Optimizing Machining Parameters for Additively Manufactured Fiber-Reinforced thermoplastic Composites
Simler, Julia Ann	1042	Therese Richelle Cunanan† Kyle Kai-Yuan Han† Sabrina Michelle Hardy†	Impact of Arthrobacter Phage Genome Frameshift on Function and Protein Structure Prediction
Simler, Julia Ann	1065	Bhoomika Kumar Gowda† AJ DiAndreth† Milena Campos Prada†	Predicting The Functions of Hypothetical Proteins Using Pymol and Alphafold
Simler, Julia Ann	1201	Leilani Grace Agngarayngay† Julia Lauren Marino† Samhita Mysore Shantharam† Alexis Lucille Ador Bernal†	Bacteriophage Skitty: A Comparative Study Between the MicroProtein Gene 73 and Defined Gene 56
Simler, Julia Ann	1258	Manya Devang Kadiwala† Abigail Nguyen Origer† Collin Jayson Kao† Elyse Youngstedt†	Investigating Protein-Protein Interactions for Functional Assembly in Actinobacteriophage GoldDust
Simler, Julia Ann	1331	Ranen Kaiser Shakir† Eric Tate Vasser† Lauren Elizabeth Bhat† Isaac Brennan Schantz†	Molecular CSI: An Integrated Workflow Using AI-Driven Structural Modeling and Domain Microanalysis for Hypothetical Protein Annotation
Simler, Julia Ann	1453	Ash Hallissey† Joshua Edward Sheldon† Ekagrah Kumar† Sara Thomason†	Comparative Analysis of Bioinformatic Programs for Bacteriophage Protein Structure and Function Homology
Simler, Julia Ann	1471	Lillian Grace Knight† Michael H Wang† Reina Cristine Perl† Sabina Anna Mazur† Madeline Marie Peterson†	Exploring the Gap Moe: Analyzing Unknown Functions of Gaps in Bacteriophages AdaS and MellowYellow
Simler, Julia Ann	1515	Mia Cynthia Pfeiffer† Lauren Marie Schinker† Erin E Chapmond† Kole Allen Luckett†	Close Calls: Evaluating Auto Annotation Accuracy in GeneMarkS and Glimmer in Bacteriophage Genomes
Simler, Julia Ann	1607	Isaac Robert Bailey† Owen Louis Hoerner† Saydie Ann Bannister Hannah† Katy Brauer†	Fold and Behold: Predicting Protein Functions with Structural Models
Simler, Julia Ann	1612	AnnaBella Marie Brown† Delilah Ruth Flora† Pooja Sriram† Madelyn Clair Watson†	Resolving Gene Prediction Discrepancies: Comparing Glimmer and GeneMark in Bacteriophage Genome Annotation
Simmons, David Rabern	1299	Caitlyn G Mount† Morgan Marie Klein† Sidney Miriam Bunch‡ Bryan Reyes‡	African rust fungi (Basidiomycota, Pucciniales) in the Purdue University Arthur Fungarium include an unrecognized resource for the study of Ugandan plant pathology.
Simonds, Madison Lynn	1647	Brianna Lynn Gast†	Feeding behavior and dry matter intake associated with feeding two concentrations of an Asparagopsis armata containing product in dairy cows
Singh, Abhinav	7080	Jenna Yeager†	PCNA-NKp44 Interaction Provides Avenue for Immunotherapeutics

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Singh, Abhinav	7081	Sungyu Choi†	Targeting High-risk HPV E6: Structure Based E6-p53 Inhibition
Singh, Richa	1033	Yu-Wei Cheng†	Heat Across Generations: Thermal Transgenerational Plasticity in a frog-biting mosquito
Singh, Richa	1071	Nina Rose Hall†	The Sound of Blood Meal: Exploring the Acoustic Preferences of a Frog-Biting Mosquito
Singh, Richa	1444	Rachel Fortman†	Wings in Motion: Geometric Patterns of Swarming and Non-swarming Mosquitoes
Singh, Richa	1455	Jonathan Christopher Henry† Krisha Shah‡	Antennal Complexity in Mosquitoes: Association between Structure and Multimodal Sensory Functions
Singh, Richa	1466	Grace Lynn Jurkovic†	Eye to Eye: Scaling Patterns and Ecological Functions in Mosquito Vision
Singh, Richa	7021	Anna Judy Lozen†	Sensory Synergy: How a Frog-Biting Mosquito Uses Multimodal Cues for Host-Seeking
Singh, Ruth	7054	Allison Faye Matovic†	Using RNA Sequencing to Evaluate Exercise as an Intervention for Unloading-Induced Joint Degeneration
Singh, Saanvi	1733	Benjamin Matthew Shatkowski† David Michael Brethen-Thompson† Jaden Luke Polizzi† Logan Yu† Marcelo Ignacio Balsamo† Vishwadeep Singh†	Escaping a Virtual Recitation Room
Singh, Saanvi	1736	Rayan Siddiqi† Alison Robin Liang† Zachary Loftus Baxtrom†	VIP Meta Horizon Escape Room
Singh, Saanvi	7047	Jonathan S Carr† Samuel Joshua McBroom†	Crypto-Mining Integrated Software
Singh, Saanvi	9001	Monica Bagai†	Finding Meaning in Life
Singh, Saanvi	9043	Helen Yi† Manuela Cardona Meneses†	Creating a Light Sensor Using a Raspberry Pi
Smilanich, Gordon Carl	1090	Joshua Dongjin Kim†	Impact of a RAGE antagonist on tendon biomechanical properties in a mouse model of type 2 diabetes
Smilanich, Gordon Carl	1660	Aidan Thomas Hopwood† lauren Mitevski‡	Patellar tendon biomechanical and morphological properties in young and older adult women
Sneddon, Douglas Andrew	1670	Meha Raagani Kavoori†	A Psychometric Evaluation of the PHQ-8A Among Adolescents in Military Families
Snyder, Sandy A	1153	Taylor Alexis Teague† Cade Dale Magnuson*	Time-compressed discourse comprehension in young and older adults: behavioral and fNIRS analyses
Soliman, Ahmed Khaled	7002	Johnny Kamal Anton Hazboun† Aidan Cole Villegas†	Smart Prosthetics Through Deep Learning: A Comparative Study of Neural Architectures for Real-Time Activity Recognition
Son, Steven F	9009	Aron Pranay Dutia†	Improving Hydroxyl Terminated Poly Butadiene Combustion Characteristics with Boron-Zirconium and Boron-Titanium
Sotelo, Luz	7038	Quintin David Dumouchelle†	Acoustic Levitation for Additive Manufacturing
Soy, Meta	1462	Tanay Jain† Inaki Garcia Barcena Garcia† Jennifer Yunning Lu†	AutoIC - Integration of BIM for Bridge Modeling
Specht, Aaron James	1708	Drew Thomas Novak†	Advancing the use of X-Ray Fluorescence in obscured lead pipe detection
Sreenivasa Murthy, Tejas Gorur	7067	Emily Katherine Slotegraaf† Tai S Hsu*	Laponite-based clay inks for natural material 3D printing

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Sribunma, Worawis	1740	John Henry Slater† Natalia Zagata† Braden Thomas Callaway† Lillian Ji† Jonathan George Cats† Anish Paspuleti†	Autopilot Integration for Lightweight Unmanned Fixed Wing Aircraft in PURT Testing Facility
Sripada, Shanmukhi	1745	Lindsay Kathryn Sutherland†	SCALE HI-AP: Impact of Slot Liner Compression on the Total Thermal Resistance of the Stator-Winding Assembly in Electric Motors
Srivastava, Harsh	1260	Parth Kapila†	Optimizing Enrollment Processes: Leveraging Automation for Operational Efficiency and Multilingual Support
Srivastava, Swati	1037	Margaret Elizabeth Collins† Kathryn Laura Yang-Can Nevers* Raymond Tan* Fayrouz Mourad*	Big Tech's Authority and Governance
Srivastava, Swati	1335	Charlize Alexis Sinko†	Free Speech Across Borders? Analysis of International Legal Documents
Stahelin, Robert V	1126	Cassidy Lynn Poynter†	Ph altering drug on Ebola Virus Cytoplasmic Entry
Staker, Jacob Scott	1821	Eittan Israel Shaham† Sevinch Pasilova†	Characterization of Thermal Conductivity in Thermoplastic Potato Starch Aerogels
Steckenrider, Josiah	1370	Michael Berlingieri†	Autonomous Particle-Filter Path Generation
Steiner, Sherrie M	1609	Hannah Ashley Bard† Tamia A Austin‡	Understanding The Rural Environmental Health Landscape: Exploring The Link Between Arsenic Exposure and Cancer Rates in Hartford City, Indiana
Stewart, Kara R	7032	Addison Mae Hill† Lily Grace Blythe‡	Effects of Colostrum or Milk Replacer Feeding on Sertoli Cell Proliferation and Seminiferous Tubule Area of Neonatal Male Piglets
Stewart, Spencer Dean	7013	Marissa Elizabeth Velazquez†	Tradwives: Understanding the effectiveness of grassroots social media specialists
Stoczynski, Lauren	1574	David H Zis†	How Students Interpret Variability between Categorical and Quantitative Scatter Plots
Stone, Amanda Elizabeth	1509	Sonia Panchal†	Investigating Embedded Sensing in Metamaterials for Thermal Management Applications
Strachan, Alejandro H	1649	Jacob Hayes Goehring†	Effect of shock-induced compressive and shear work on the reactivity of hotspots in polymer-bonded explosives
Strachan, Alejandro H	1724	Elana Simone Rhoge†	SCALE RH: Machine Learning-Based Optimization of Materials for Microelectronics
Strother, Logan	1611	Lucy Anne Bolles†	Examining Institutional Bias in the U.S. Court of Claims: The Impact of Claimant Type on Case Outcomes
Strother, Logan	7014	Emma Lynn Johnson†	Uncovering the Intentions behind the Unjust Conviction and Imprisonment Statute

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Stwalley, Robert M	7088	Manya Devang Kadiwala† Shruti Subramaniyan† Adriana K Sanchez‡ Brasen Paul Garcia‡ Nitya Manish Jhaveri‡ Vijay Muthukumar‡ Mia Constance Schecter‡ John Michael Peters‡ Micah David Ambrose‡ Ryan Arthur Sidney Grenier‡ Emirhan Gunes‡ Mark T Crooks‡ Nathanael Robert Herman‡ Arabella Leia Crivello‡ Elizabeth Xian-Hui Kung‡ Sonali Garg‡ Cole Anthony Massie‡ Ryan Charles Deangelis* Emma M Horn* Swastik Patel* Luke Powell Williams* Simone Xin Moulton* devyani tyagi* Spruha Jigar Vashi*	ASTRO-USA: Analog Simulation Training and Research Outpost Utilizing Self-Sustaining Architecture
Subbarayan, Ganesh	1233	Brendan Duffy†	SCALE HI-AP Constitutive Evaluations of High-Temperature SAC-based Solder and Considerations for Thermal Stress Tester Design
Subramanian, Sneha	1566	Samuel Alan Wieczorek† Anna Maria Seebold*	Trafficking and signaling abnormalities of the EGFRvIII patient variant
Suckow, Michael Wayne	9024	Olivia Olson† Timothy Michael Nowling‡ Daniel Stephen Urbancic‡ Zachary Chase Herman‡	Innovative Flight Training: Balancing Safety and Efficiency in Response to a Pilot Shortage
Sullivan, Madison Ann	1308	Katherine Xiaoxing Pesetski† Alan Yue*	Machine Learning Driven Analysis of Duchenne Muscular Dystrophy Cardiac MRI Data
Sun, Zhuoyang	1700	Kareena Karimpil Mathews†	Analyzing, synthesizing and comparing leaves using LLM
Sundaram, Shreyas	7091	Amikosh Dube† Jay Bhavesh Gandhi† Noah Anthony Wisniewski† Dhanush Adhitya Gopalakrishnan‡ Shrikar Hippargi‡ Berra Ulku Kalci‡ Derek John Matthei‡ Siddharth Shridhar Nadgaundi‡ Gautam Kottayil Nambiar‡ Patrick Randall Spillman‡ Jammy Wang‡	SWARMS: Multi-Agent Control Simulation
Sundquist, John D	8000	Hannah Marie Kovach†	Phonetic and Handwriting analysis
Surowiec, Rachel Kathleen	1114	Vedha Masuraha†	Advanced Imaging Techniques for Characterizing Bound Water, Porosity, and T1 Relaxation
Surowiec, Rachel Kathleen	1210	Grant Andrew Belush†	Developing an MRI Compatible Loading Device for Real Time Mapping of Cortical Bone Mechanical Properties via UTE-MRI
Surowiec, Rachel Kathleen	1227	Aurelia Azifa Chelfannisa†	Uncovering spatial temporal bone quality changes in progressive chronic kidney disease: Is water a new biomarker for fracture risk?
Surowiec, Rachel Kathleen	1429	Braden James Cordrey† Grant Andrew Belush†	Assessment of Bone Mechanical Properties via UTE-MRI Based on Measure of Bound Water

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Surowiec, Rachel Kathleen	1501	Ishita Mukadam†	Establishing temporal bone quality changes in progressive chronic kidney disease (CKD)
Surowiec, Rachel Kathleen	1808	Irfan Firosh†	Dynamic cortical pore tracking method for chronic kidney disease patients
Surowiec, Rachel Kathleen	7034	Anika Mathur†	Utilizing the CycleGAN Architecture for Motion-Correction in HR-pQCT Imaging
Surowiec, Rachel Kathleen	7134	Sidh Jain†	Radiomic Analysis of Collagen
Surowiec, Rachel Kathleen	9003	Christopher Richard Chin†	Texture and Mechanical Properties of Human Cortical Bone: Influence of Bound Water Composition
Suter, Daniel	1011	Mingi Bang† Aislinn Kaelind Davis‡	Effect of Nox2 Morpholino on Zebrafish Nervous System Development
Suter, Daniel	7023	Nikhil Samit Sadavarte† Kaitlyn Ying* Jonathan Minh-Tri Ngo* Manasa Gudugundla*	Identifying potential enhancers of regeneration after zebrafish spinal cord injury
Suthar, Deepak	1213	Sanath Bhavankar† Nickolas Koe* Hamond Rahardjo*	Headed rebars vs. headed studs for precast concrete connections
Suthar, Deepak	1270	Nickolas Koe† Sanath Bhavankar* Hamond Rahardjo*	Experimental study on post-installed anchors under shear loading
Suthar, Deepak	1760	Luke Steven Tuthill† Aditya Mallepalli†	Crack Detection in Reinforced Concrete Structures Using Machine Learning
Suthar, Deepak	1804	Aditya Mallepalli† Luke Steven Tuthill†	Crack Detection in Reinforced Concrete Structures Using Machine Learning
Suthar, Deepak	7052	Hamond Rahardjo†	Anchor Testing in Reinforced Concrete Structures
Swabey, Matthew A	1267	Seokjae Kim† Vivek Matta†	Design and Development of a Daughter Board for Caravel eFabless Chiplet Integration
Swabey, Matthew A	1286	Jason Dumaual Lyst† Namit Shailesh Joshi† Jayaditya Borah† Abhiraj Singh Jaswal†	Using IoT and Edge Computing to Ensure Saftey in the Bechtel Innovation Center
Swabey, Matthew A	1406	Aniketh Bhaskar Bandi† Maribel Garcia Vasquez†	SoCET: PCB STARS Chiplet
Swabey, Matthew A	1486	Joseph Alexander Schelb† Han My Luu†	Interfacing a Daughter Board for Caravel EFabless Chip
Swabey, Matthew A	1506	Tei Okamoto† Cameron Thomas Patt†	DFT and LEC for AFTx07+
Swabey, Matthew A	1550	Oscar Surendranath† Connor Matthew Lai†	Utilizing an FPGA as Off-Chip Memory
Swabey, Matthew A	7123	Xuan Chen† Shivanya Chandra† Naeem Saeed Bahemia† Aarav Mangla† Isha Virat Yanamandra† Nina Hu† Alexander Chen†	VIP Bechtel IoT
Swabey, Matthew A	9026	Brady Owen Philhower† Alexander David Forrest†	AFTx07 External SRAM Connector Board
Szymanski, Daniel B	1259	Maxwell Murphy Kahle†	Polarity establishment and cytoskeleton rearrangement in early cotton fiber development
Taghian Dinani, Soudabeh	1097	Bhavya Lakhina† Kathleen Elane O'Sullivan† Gavin Noel Hendrix†	APPS: Style Transfer
Taghian Dinani, Soudabeh	1240	Connor Bradley Frey† Joonyeoup Kim† Piotr Stanislaw Nabrzyski† William Benjamin Tao†	Continual Learning for Calorie Estimation of Food Items

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Taghian Dinani, Soudabeh	1352	Jai Balaji Viswanath† Zian Pan†	Traffic Light Detection for Autonomous Vehicles
Taghian Dinani, Soudabeh	1460	Cheyenne Mie Huggins† Samridhi Kakkar† Linda Ronglin Xu† lance Ma† Nicholas Gentry Viardo†	VIP EdTechDev: Developing an Accessible Physical Computing Course
Taghian Dinani, Soudabeh	1613	Ishaan Bangarraju Buddharaju† Aryan Kiran Kumar Chamarajanagar† Ishita Shukla† Parth Nitin Ranade†	Pedestrian Detection in EarthCam Images: Benchmarking Three Object Detection Methods
Taghian Dinani, Soudabeh	1734	Ahmed Wael Shebl† Abdelrahman Hamdy Ghania† Zeyad Ayman El Afify†	3D Food Reconstruction
Taghian Dinani, Soudabeh	7053	William Henry Stevens† Karthik Selvaraj† Gabriel A Torres† Leo Ross Benaharon† Surya Teja Sripathi†	Refining Text Detection using Transfer Learning and a Unified Approach to Text Localization and Transcription
Tallman, Tyler N	1738	Pranav Singh† Colby Strohl† Bella Irma Schaetzle† Clara Marie Anne Goffioul† Cassius Samuel Sampson† Simran Nadig† Nathanael Adrian Lorincz† Tatiana Varela* Ananya Prasad*	Multifunctional Materials in Aerospace Applications to Drone Landing Gear
Tamagno, Wagner Antonio	1018	Saraf Jalil Bhuiya†	Glutamatergic-Driven Behavioral Alterations in Lead-Exposed Larval Zebrafish
Tamagno, Wagner Antonio	1666	Ashilyn Joseph†	Caffeine and Diphenhydramine for Evaluation of Anxiety and Sleep Patterns in Zebrafish Larvae
Tanaka, Yuto	9037	Eddie So†	Origami-Inspired climber for multidirectional Robotic Locomotion
Tang, Xindi	9040	Jorge Vilchez†	Derivatization with La3+ facilitates structural characterization of isomeric sugars using mass spectrometry
Tang, Xueqi	7128	Yuchen Zhang†	Influence of Manganese Exposure on SHI-Adapted SH-SY5Y Cells: Neurotoxicity and Adaptive Mechanisms
Tanwar, Reeya	1039	Matthew Thomas Corson† Sofia Schumann*	Rotenone-induced acute miRNA alterations in extracellular vesicles produce Parkinson's Disease relevant mitochondrial dysfunction and neurotoxicity.
Tanwar, Reeya	1257	Dia Dipen Jhaveri† Sofia Schumann‡ Matthew Thomas Corson‡	Molecular Effects of Chlorpyrifos Exposure in Pon-1 (-/-) and Wildtype Rat Models
Tanwar, Reeya	1729	Sofia Schumann† Dia Dipen Jhaveri‡ Matthew Thomas Corson* Hurshal Pol*	Comparative Neurobehavioral and Molecular Effects of Chlorpyrifos Exposure in Pon-1 (-/-) and Wildtype Rat Models
Tao, Hui	7080	Jenna Yeager†	PCNA-NKp44 Interaction Provides Avenue for Immunotherapeutics
Tao, Hui	7081	Sungyu Choi†	Targeting High-risk HPV E6: Structure Based E6-p53 Inhibition
Taram, Kazem	1334	Rudraneel Sinha† Danielle C Ejiogu†	GPU Architectural Optimisations for Differentially Private Stochastic Gradient Descent
Tay, Louis	1627	Katherine Sophia Chiparus†	Unveiling Food Waste Patterns at Purdue University

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Tayek, Sammi	7210	Lamiya Sajidbhai Laxmidhar†	Comparative Sentiment Analysis of Mental Health Discourse on Social Media: A Study of Reddit and Twitter
Tecle, Lucy Teberh	1029	Akansha Chauhan†	Paper-Based Duplex Assay for Early Cervical Cancer Screening
Teed, Carlay L.	1650	Paraj Goyal†	Contrasting the ratios of neural mechanisms to photoreceptors: Animals employ different color processing strategies
Tener, Andrea Marie	1286	Jason Dumaual Lyst† Namit Shailesh Joshi† Jayaditya Borah† Abhiraj Singh Jaswal†	Using IoT and Edge Computing to Ensure Saftey in the Bechtel Innovation Center
Tener, Andrea Marie	1500	Jacob Ray Morales† Sidh Jain† Alessandra Rice† Tuan Minh Pham† Puruo Wang†	Enhancing Bone Fragment Identification in Forensic Anthropology Using Machine Learning
Terashi, Genki	1306	Joon Hong Park† Pranav Punuru‡	KiharaLab EMSuite Server: Advanced Tools for Cryo-EM Structure Modeling and Validation
Thakre, Parth	1707	Anaey Gaurang Naik†	How university students perceive and use data storage and repository tools, with a particular focus on Airtable's ease of use and ability to handle complex workflows in collaborative settings.
Thakur, Anupma	1262	Prerona Kaushik†	Effect of temperature on the Ti3AlC2 MAX etching and synthesis of two-dimensional Ti3C2Tx MXene
Thakur, Anupma	1326	Christian Paul Hardy Scott†	A systematic study on the effect of different carbon precursors for the synthesis of MAX and two-dimensional MXenes
Thakur, Anupma	1522	Janvi Ishana Prasad†	Understanding colloidal stability of two-dimensional Ti3C2Tx MXene using UV-Vis-NIR Spectroscopy
Thakur, Anupma	7115	Charlita Sinmak† Ayden Matthew Rosencranz‡ Antonio C De Oliveira Segura‡	The effect of the addition of MXene (Ti3C2Tx) on the long term stability of poly(3,4-ethylenedioxythiophene): poly(styrene sulfonate) (PEDOT:PSS) bioelectronic interfaces
Thakur, Anupma	9031	Ayden Matthew Rosencranz† Charlita Sinmak† Antonio C De Oliveira Segura†	Enhancing the Stability of Conductive Bioelectrodes Using Advanced Nanomaterials
Thompson, Aaron W	1251	Anna Danielle Hildebrand†	A Proposed Planting Palette For Shenandoah National Park
Thompson, Aaron W	1563	Andrew Yang Waskin†	Otterbein Ecological Residential Improvement Plan
Thompson, Coleman Blaine	1010	Sofia Adelaide Jane Bahr†	Investigating identity-based social capital for nonbinary STEM graduate students
Thompson, Paige A	1261	Riya Ashwin Karpe†	The Development of Advanced Bimanual Object Manipulation in a Natural Setting
Tien, Jia-Huei	1158	Nivrithi S Varghese†	Finite Element Analysis in Indentation at Different Constraints
Tinio, Jerilyn Pia	1812	HyunShu Kim†	Student Organizations Archives and the Role of Student Peer Information Consultants at Purdue University
Tinio, Jerilyn Pia	8004	Lillian Sarah Pirotto† Haley Diane Imus† Elizabeth S Noh* Tran Nguyet Anh An* Brody Everett Snyder* Olivia Marie Scavo* Edjutawee Dawit* Laura Esther McWilliams*	Systematic Review of Humanities Pedagogy

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Titus, Michael	1003	Junyeong Ahn† Rachel Alexis Koeiman‡	Analysis of Longevity of Vegetable Oil as Metallurgical Quenchants Under Accelerated Aging
Todd, Andrew Charles	1507	Rachel Christine Quisil Ordiales† Sadie Grace-Lucero Keegan†	Distribution of Biosolid-Impacted Recreational Farm Ponds Contaminated with Per- and Polyfluoroalkyl Substances (PFAS) in Indiana
Tomar, Monika	1080	Julianne Quin Iaccarino† Basil Khwaja† Ian Owen Ou† Ibrahim Issa Abdullah†	CVGM - Computer Vision and Generative Models
Tomoo, Keigo	7062	Yen-hsi Lai†	Ultrastructural Characterization of White Adipose Tissue in Albumin Knockout Mice
Torres, Andres	7002	Johnny Kamal Anton Hazboun† Aidan Cole Villegas†	Smart Prosthetics Through Deep Learning: A Comparative Study of Neural Architectures for Real-Time Activity Recognition
Torres, Andres	7212	Nay Naing† Carolina Bobadilla†	Designing Healthcare Robotics: Biomimetic Prosthetic Hands for Secondary Education
Torres, Gabriella Maria Schr	1155	Bradon Rowan Timms†	SCALE HI-AP: Spatially Identifying Defects in 2D-Logic Transistors via Photocurrent Imaging
Torres, Gabriella Maria Schr	1221	Caroline Marie Cameron†	SCALE HI-AP: Electromigration Failures in Cu-micro bumps with Sn-Ag solder caps
Torres, Gabriella Maria Schr	1233	Brendan Duffy†	SCALE HI-AP Constitutive Evaluations of High-Temperature SAC-based Solder and Considerations for Thermal Stress Tester Design
Torres, Gabriella Maria Schr	1252	Remley Grace Hooker†	SCALE HI-AP : Exploring 2D Tellurium for Advanced Pressure Sensors in Extreme Underwater Environments
Torres, Gabriella Maria Schr	1256	Parker Joseph Jeffrey†	SCALE HI-AP: Thermo-mechanical Reliability of Metal Embedded Chip Assembly (MECA) Package
Torres, Gabriella Maria Schr	1628	Geetika Chitturi† Jou-Ting Lai†	SCALE HI-AP Fabrication and Modeling of RRAM for 3D Monolithic Integration of an In-Memory Computing 1T1R OSFET Memory Cell
Torres, Gabriella Maria Schr	1745	Lindsay Kathryn Sutherland†	SCALE HI-AP: Impact of Slot Liner Compression on the Total Thermal Resistance of the Stator-Winding Assembly in Electric Motors
Torres, Gabriella Maria Schr	1748	Ethan Xinghan Tan†	SCALE HIAP Heterogeneous Integration of 5G Receivers Using SAWLIT Chiplet Technology: Antenna Design and Impedance Matching on Glass Substrates
Torres, Gabriella Maria Schr	1769	Kyle J Wiegand†	SCALE HI-AP: Thermo-Mechanical Reliability of Bismuth Based Solders for High Temperature Packaging
Torres Arias, Santiago	1441	Daniyal Fazal† Parth Doshi† Jayden Chun-Hin Chow† Geuntae Kim† Harmon Howse† Daniel Jonathon Proano†	ChainVisor: analyzing the security posture of IoT device software
Torres Cruz, Terry Jarianna	1285	Lindsey Nicole Lorenz†	Exploring Natural Enemies of Coffee Leaf Rust
Tovar, Andres	1821	Eittan Israel Shaham† Sevinch Pasilova†	Characterization of Thermal Conductivity in Thermoplastic Potato Starch Aerogels
Trent, Cole D	1153	Taylor Alexis Teague† Cade Dale Magnuson*	Time-compressed discourse comprehension in young and older adults: behavioral and fNIRS analyses
Tsutsui, Waterloo	1295	Abigail Sarah Mizzi†	Hypersonic Vehicle Design Analysis Using CBAero: System Interactions and Design of Experiments
Tu, Gaoyuan	7204	Haochen Feng†	The Relationship Between Communication and Surgery Success: Analyzing Key Speech Metrics

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Turner, Isabel	1439	Samantha Teal Fairchild†	The Effects of Induced Hypothyroidism on Intestinal Morphology in Nursery Pigs
Turner, Sage Michael	1012	Twinkal Barai† Aidan Hirsch† Ian Kwan Yin Lam† Kelly Hsieh Lin† Hamsikasree Vedavinayagam† Parth Kapila† Shreya Krishnan‡ Cailyn Elizabeth Bowerman* Elena Anne Lehner*	Gamification of Pediatric Rehabilitation Exercise for Brachial Plexus Injuries
Ukkusuri, Satish V	7071	Mahit Bheema†	Adaptive Trip Extraction from GPS Data: A Context-Sensitive Approach
Um, Sang hoon	1048	Michael Stuart Dickinson† Eric Tate Vasser†	CRISPR Nanocarriers: Developing a Novel Method of Genome Engineering Using DNA Nanocage-Based Delivery of EnAsCas12f and CRISPR Associated Components
Umulis, David M	1526	Aakarsh Nagendra Rai†	Quantitative Analysis of Shape and Topological Changes in Enveloping Cells during zebrafish epiboly
Usidame, Omobukola Otoise	1276	Yen-hsi Lai†	The Relationship Between State-Level Tobacco Laws and Prevalences in the US: A Mediation Analysis
Usidame, Omobukola Otoise	1569	Mallory Caroline Young†	A Comparative Narrative Review to Improve Tobacco Health Issues in Rural Indiana
Vargas, Marilyn Alexandra	1523	Sonia Amaris Propst-Zuverza†	Further Study of Root Knot Nematode with Suppressive Soil Types
Varnell, Suzanne Christine	1437	Divya Tarika Durai† Maggie Brinn Miller†	Do parents
Vatkar, Nachiket	1604	Pragathi Arunkumar†	Measuring galvanic sweat response to indicate stress levels through a non-enzymatic skin-integrated biofuel cell sensor.
Vatkar, Nachiket	1667	YoonJae Jun†	Predicting Affective and Cognitive States Using Physiological Signals from skin-integrated wearable sensors
Vayrynen, Jukka Ilmari	7093	Jordan Alexander Gaines†	DMRG Simulation of Spin-Chain Multichannel Kondo Model
Vazquez, Salvador Roberto	1437	Divya Tarika Durai† Maggie Brinn Miller†	Do parents
Vega Rodriguez, Paola Nicole	1011	Mingi Bang† Aislinn Kaelind Davis‡	Effect of Nox2 Morpholino on Zebrafish Nervous System Development
Velay Lizancos, Maria mirian	1409	Amareah Elena Bead†	Sustainability Challenges of Recycled Concrete Aggregate: The Hidden Role of Target Strength in Environmental Impact
Velay Lizancos, Maria mirian	1533	Akshay Makarand Risbud†	A Comparative Analysis of Pure and Recycled Carbon Black on the Mechanical, Thermal, and Microstructural Properties of Mortars
Velay Lizancos, Maria mirian	7215	Akshay Makarand Risbud†	A Comparative Analysis of Pure and Recycled Carbon Black on the Mechanical, Thermal, and Microstructural Properties of Mortars
Velazquez-Marrero, Kevin Gabriel	1657	Nathan Michael Henderson†	Cdc14 Targeted Antifungal Drug Discovery
Vhaduri, Sudip	1242	Andrea Gajic†	Toward a Seamless User Authentication
Vhaduri, Sudip	7098	Amanda Huang†	Opportunities and Risks of Biometric Security in the Age of Generative AI
Vigdor, Madison Paige	1414	Badreddine Bouzeraa† Emma Yue Xiao* Samantha P Mohr* Alexis Renee Rosenberg* Minnah Rafay Khawaja* Madison Nicole Collier*	Bias Confrontation & It's Relationship with Political Ideology

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Viji Elango, Arval	1105	Mallory A Luse†	Analyzing Biofilm Growth on PVC-coated Magnetic Beads for High-throughput Microbiome Applications
Villarreal, Cameron Xavier	7104	Sarah Marie Staller†	The impact of gut microbiome dysbiosis and subsequent intervention on restoring spinal health in a murine model
Vlachos, Pavlos	1289	Kara Rochelle McCrindle† Jennifer Heather Quercioli†	Additive Manufacturing of 3D-Printed mBTT Shunt Phantoms for Hemodynamic Analysis of Shunt Parameters
Vlachos, Pavlos	1440	Mikyla Farnell† Kelly Hsieh Lin† Somya Gupta†	Automated Skin Layer Segmentation in Histology Images: A Comparative Analysis of Deep Learning Methods
Vlachos, Pavlos	7019	Aditya Kumar†	Snake Tongue Flicking Project
Vlachos, Pavlos	7068	Jiwon Seo† Sai Aiswarya Sadagopan† Samskrithi Sivakumar† Jinhwan Kwon† Anika Mathur†	Deep Learning for Enhanced Subvisible Particle Analysis in Auto-Injector Devices
Volkening, Alexandria	7213	Thanmaya Pattanashetty† Joseph Michael Cromp†	Expanding on Election Forecasting
Voyles, Richard M	1044	Sameeksha Sekhar Desai† Pranav Sanghi† Liam M Mccormack† Steven James Van Hulle† Margulan Mukhametkarim† Ridge McCain Blankenship† Jamie Youngjin Cho† Joseph Dominic D'Alessandro† Nicholas Keir Wade† Benjamin Harris Ciliberto† Alexander T Valdes* Andrew Joseph Shelley* Alexander Kmetko* Atharva Shailendra Patil* Audrey L Williamson* Chun Yi Pham* Emily Marie Thomas* Jason Zheng*	Artificial Intelligence: Marine Maneuvering
Wagner, Ryan B	7009	Annika Mallari Munjal† Emma Elizabeth Wagner† Morgan Stephens† Dipali Rebecca Abraham† Ishaan Pratap Singh† Mira Nimesh Patel† Alexander Carnevale†	Modeling Drug Transport in the Umbilical Cord: Fetal Membrane
Wagner, Ryan B	7102	Dipali Rebecca Abraham† Mira Nimesh Patel† Alexander Carnevale†	Modeling Drug Transport in the Umbilical Cord: A Fluidic Approach to Pregnancy Pharmacokinetics
Wali, Syeda Nazifa	1166	Jenna J Wu†	Enhancing Lipid Signal and Coverage in Positive Mode ESI-MS using Charged Chemical Derivatives
Wali, Syeda Nazifa	9040	Jorge Vilchez†	Derivatization with La3+ facilitates structural characterization of isomeric sugars using mass spectrometry
Walker, Suzanne C	1758	Christian R Tomao† Gabrielle Elizabeth Layman*	Leveraging Game Mechanics for STEM Education: Enhancing Engineering Skills Through the Pac-Man Robotics Challenge
Walker, Suzanne C	7221	Christian R Tomao† Gabrielle Elizabeth Layman*	Leveraging Game Mechanics for STEM Education: Enhancing Engineering Skills Through the Pac-Man Robotics Challenge
Waltenburg, Eric	7116	Maylee Ann Rollins†	Gender Affinity in State Legislature Campaign Donations

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Wang, Chih-Chun	1082	Rohan R Iyer† Andrew Owen Fewell† Aaron David Slamovich† Raghav Aggarwal† Justin Yunzhi Lin†	Development and Exploration of Existing 5G and 6G Standards
Wang, Haiyan	9034	Allison Nobuko Scher†	Micro-Nano-Ordered LSMO-Au VAN Growth for Chemical Sensors
Wang, Haocen	1061	Rebecca Gao† Ruchi Rajesh Patel‡ Tricia Isabel Sy‡ Lourdes Olivia Bengero‡	Community health workers in supporting lung cancer screening in the United States: A systematic review
Wang, Jingkun	1744	Alpamys Sultanbek† Jasmine Alyssa Luke‡	A Pilot Study in Real-time Mental Workload Measurement Tool for use in Robotic Surgery Training
Wang, Ruiqi	1654	Arjun Sandeep Gupte†	Preference-based Reinforcement Learning with Multimodal Feedback from Foundation Models
Wang, Weicang	1024	Alvin Cai† Luke Wilson Heymann†	A Next-Generation Probiotic Strain Promotes Epithelial Wound Healing (Repair) after Physical Damage In Vitro
Wang, Weicang	1743	Sophia Su†	Therapeutic Efficacy of Hemp Seed Supplementation on DSS-Induced Colitis in Mice: Impacts on Macrophage Polarization and Inflammatory Response
Wang, Xiao	1306	Joon Hong Park† Pranav Punuru‡	KiharaLab EMSuite Server: Advanced Tools for Cryo-EM Structure Modeling and Validation
Wang, Xing	1232	Rileigh Ann Dethy† Daniel Robert Gallagher† Christos Anastasios Kaiafas‡ Ace Setiawan‡ Kailey Marie Leuer‡ Wentong Zhang‡	Enhancing Supply Chain Efficiency with Predictive Supplier Modeling
Wang, Xing	1503	Bao Chau Chau Nguyen† Kelly Ann Igo† Lejia Zhou† Anushka Sharma†	Ridership Prediction with external weather data
Wang, Xing	7027	Neha A Venkatraman† Esther L Larson† Jaden R Azar† Harshini Malarvannan†	Data Mining for CityBus Ridership
Wankhade, Vivek vasantrao	1035	Ethan Chieng Chiao†	Pulse Shaping With Integrated Chirped Photonic Bragg Gratings
Wankhade, Vivek vasantrao	1505	Rohan Imhotep Ojha†	Y-Branch Splitter Optimization using with Finite Difference Time Domain (FDTD) Solver
Wankhade, Vivek vasantrao	1697	Mohit Manna† Thomas Allen Greer‡	QUIP Waveguide affects.
Ward, Matthew Peter	7132	Monique Watson†	Assessing heart rate dynamics following postural change in hypermobile-type Ehlers-Danlos Syndrome using wearable health monitors against POTS diagnostic criteria
Ware, Jason	1113	Mason Talavou Al Martin†	Indigenous Cultural Preservation and Economic Development through Tourism- A Scoping Review
Ware, Jason	1454	Bridget Katherine Heindl† Leo Pearson Malachowski† Jennifer Lilian Yang* Ayden Timothy Fahey*	Homeowner Well-Being and Community Livability: A Comprehensive Analysis in Lafayette, Indiana
Warsinger, David	1015	Sandra Edilia Bern†	Wettability and Condensation Dynamics on Ultrawhite Radiative Cooling Paints
Warsinger, David	1330	Netra Ashish Shah†	Topology Distorted Amorphous Metal-Organic Framework For PFAS Removal in Water
Warsinger, David	1356	Lily Avery Waterman† Ishan Gopu Nair‡	Utilization of Various Nanofillers for Increasing Membrane-Based Dehumidification Efficiency

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Warsinger, David	1547	Sohum Singh Sodhi†	Acoustic Bioaerosol Removal in HVAC Systems
Warsinger, David	7015	Lucca Su Mo†	Pulse Flow Reverse Osmosis System for Home Scale Use
Warsinger, David	7055	Nikitha Sam† Diya Banerjee† Ryan Kumar San Juan† Nishtha Singh† Trysta Dephin Chiang† Lily Avery Waterman† Alex Joseph Nagel† Benjamin C Martin† Zihao Qin†	Development of a Novel Wave-Powered Dual-Stage Pulse-Flow Reverse Osmosis System
Wassgren, Carl R	1424	Seong Bin Choi†	Powder Rheometer Model
Weake, Vikki Marie	1668	Danny Mazen Kanj†	Glycine-N-methyltransferase is not necessary for age-dependent Drosophila photoreceptor survival
Weatherford, Jessica A	1767	Isabelle M Weir†	The Effect of Trauma on Adrenergic Receptors
Wei, Tiwei	1629	Chengyu Chiu† Isabel Alejandra Arias Zambrano† Jenna Marie Marquette† Varun Rajesh† Anusha Gambheera†	VIP Birck AP/HI ALN team
Wei, Tiwei	1686	Ho Jun Lee† Romy Kim† Cecilie Reingaard Wiuff† CHO-YI HSIEH† Jou-Ting Lai† Aditi Magesh† Stuti Rastogi†	2.5D Advanced Packaging: Fabrication of Silica Glass Interposers for Chiplet Integration
Weibel, Justin	1015	Sandra Edilia Bern†	Wettability and Condensation Dynamics on Ultrawhite Radiative Cooling Paints
Weigand, Miranda Renee	1343	Erik Robert Sveen†	Efficient and Cost-Effective Enzyme Deposition onto Tissues for Mass Spectrometry Imaging using a Mini-Humidifier
Wells, Ellen M	1109	Jacob Alan Malone† Katelyn Riddle‡	Does Airplane Pollution Elevate Elemental Lead Concentration in Soil?
Wells, Ellen M	1207	Tamia A Austin† Hannah Ashley Bard*	Exploration of the Intersection of Mental Health and Lifestyle Factors Hartford city, IN
Wells, Ellen M	1531	Katelyn Riddle† Jacob Alan Malone‡	Assessing Arsenic Contamination in Soil: A Secondary Analysis of Airport Site Data
Wells, Ellen M	1609	Hannah Ashley Bard† Tamia A Austin‡	Understanding The Rural Environmental Health Landscape: Exploring The Link Between Arsenic Exposure and Cancer Rates in Hartford City, Indiana
Wells, Ellen M	1715	Paige Bailey Pierson†	Application of Purple Air Sensors: Determining Air Quality Over Different Time Intervals
Wells, Ellen M	1726	Kaitlyn Lea Robertson†	Reporting-Back in Environmental Health
Welp, Lisa	1456	Amber Grace Hitchins†	Influence of Cold Air Inflow on Stable Isotope Composition of Initial Precipitation
West, Moon Rae	7043	Frances Margaret Bajorat†	The Inclusive Space Project: Adapting Physical Lab Spaces to Serve All Students
Whelton, Andrew	1624	Christopher Felipe Chavarria† Samuel Andrew Spears‡	The Effects of Oil Contamination on Baby Products

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Whitaker, Dawn	7088	Manya Devang Kadiwala† Shruti Subramaniyan† Adriana K Sanchez‡ Brasen Paul Garcia‡ Nitya Manish Jhaveri‡ Vijay Muthukumar‡ Mia Constance Schecter‡ John Michael Peters‡ Micah David Ambrose‡ Ryan Arthur Sidney Grenier‡ Emirhan Gunes‡ Mark T Crooks‡ Nathanael Robert Herman‡ Arabella Leia Crivello‡ Elizabeth Xian-Hui Kung‡ Sonali Garg‡ Cole Anthony Massie‡ Ryan Charles Deangelis* Emma M Horn* Swastik Patel* Luke Powell Williams* Simone Xin Moulton* devyani tyagi* Spruha Jigar Vashi*	ASTRO-USA: Analog Simulation Training and Research Outpost Utilizing Self-Sustaining Architecture
Widhalm, Joshua R	1671	Shoshana Sakara Keim†	Metabolic Mechanisms Preventing Juglone Autotoxicity In Black Walnut
Wijeyeratne, Nissanka Subodhana	1719	Vaishnnavi Purram† Parth Kailash Dubal*	Reassessing the Bakhshali Manuscript: A Critical Review of Its Translations and Knowledge Transmission
Wildridge, Andrew James	1064	Ishan Goel†	Simulated Annealing for CMS Primary Vertexing demonstrates promise of Quantum Annealing
Wilhelm, Alexander Thomas	1037	Margaret Elizabeth Collins† Kathryn Laura Yang-Can Nevers* Raymond Tan* Fayrouz Mourad*	Big Tech's Authority and Governance
Wilhelm, Alexander Thomas	1335	Charlize Alexis Sinko†	Free Speech Across Borders? Analysis of International Legal Documents
Wilhelm, Roland Conrad	1004	Kaitlyn Marie Annunziata†	Examining Bias in DNA Extraction of Surface Attached Soil Bacterial Communities
Wilhelm, Roland Conrad	1105	Mallory A Luse†	Analyzing Biofilm Growth on PVC-coated Magnetic Beads for High-throughput Microbiome Applications
Willden, Samantha	1204	Isabela I Arias†	The role of weeds as a non-crop habitat for aphid pests in high tunnel systems
Willden, Samantha	1553	Sydney Anne Territo†	Tomato pinworm (Keiferia lycopersicella) distribution and location analysis in Indiana High Tunnels
Williams, Rua Mae	1272	Avery Kruppe†	Exploring Older Adults' Privacy Concerns In Robot-Mediated Data Collection
Wilson, Damen Alec	7132	Monique Watson†	Assessing heart rate dynamics following postural change in hypermobile-type Ehlers-Danlos Syndrome using wearable health monitors against POTS diagnostic criteria
Wilson, Mark	1073	Payton Victoria Harrington† Renee Nicole Chua†	How Lifestyle Factors Impact Physical and Mental Symptoms
Wilson, Mark	1273	Olivia Madison Krzyzanowski†	Burnout of Museum Workers
Wilson, Michael Charles	1259	Maxwell Murphy Kahle†	Polarity establishment and cytoskeleton rearrangement in early cotton fiber development

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Wingren, Cameron Patrick	1464	Yuexin Jiang†	Individual Tree Detection using deep learning models with UAV-Based images in Mixed Forests
Won, You-Yeon	1156	Calla Grace Tucker† Grace Anne Larkey*	Characterizing the Spreading Dynamics of High-Tg Polymer Micelles at the Air-Water Interface for ARDS Lung Surfactant Research
Woods, Hannah M	1126	Cassidy Lynn Poynter†	Ph altering drug on Ebola Virus Cytoplasmic Entry
Wrobetz, Anne Victoria	8004	Lillian Sarah Pirotto† Haley Diane Imus† Elizabeth S Noh* Tran Nguyet Anh An* Brody Everett Snyder* Olivia Marie Scavo* Edjutawee Dawit* Laura Esther McWilliams*	Systematic Review of Humanities Pedagogy
Wu, Haoqi	7121	Abhinav Chowdary Annabathula†	Intrinsically Self-healable Laser-Induced Graphene Pressure for Ergonomic Hazard Monitoring
Wu, Joy	1203	Alex James Alonzo†	Mechanisms of tuning cytotoxic T cell activation via artificial triggering
Wu, Wenzhuo	1229	Khushi Choksi†	Scalable tellurene/graphene heterostructure for wearable IR/NIR photodetectors
Wu, Wenzhuo	1539	Adam Jair Selby†	Real-Time Health Monitoring: A Wireless System for Triboelectric Sensor Data Acquisition and Analysis
Wu, Wenzhuo	1555	Surya Pratheek Turaga† Margaret H Prokopy† Maria Therese Kufahl† Vishakh Menon†	Wearable Electrochemical Sensors for Proactive Personalized Health
Wu, Wenzhuo	1557	Dhruva Vedula† Mrigas Ajay Iyer†	AWARE: A wearable self-powered smart pressure sensors for workplace injury prevention
Wu, Wenzhuo	1604	Pragathi Arunkumar†	Measuring galvanic sweat response to indicate stress levels through a non-enzymatic skin-integrated biofuel cell sensor.
Wu, Wenzhuo	1667	YoonJae Jun†	Predicting Affective and Cognitive States Using Physiological Signals from skin-integrated wearable sensors
Wu, Wenzhuo	1681	Pranav Kumarasubramanian†	Robotic wearable textile triboelectric sensor for augmented tactile and proprioceptive perception
Wu, Wenzhuo	7004	Philip R Liu† Richard John Silvester† Aadi Jangid‡	Adaptive Speech Reconstruction Interface with AI (ASRIA): A Wearable-LLM Framework for Aphasia Rehabilitation
Wu, Wenzhuo	7087	Zixuan Fei†	ZnO Nanowire-Based Wearable Sensor for driver health Monitoring
Wu, Wenzhuo	7106	Kevin Nathan Qu† Pranav Perumal† Padmaja Sachin Khairnar†	AI-Driven Non-Invasive Wireless Blood Pressure Assessment via Triboelectric Sensors
Wu, Wenzhuo	7133	Surya Pratheek Turaga†	Integrating Wearable Technology for Electrochemical Sensor based Remote Health Monitoring
Xie, Lijia	1280	Colton Pierce Lennen†	Reliability for High-Temperature Solders Alloys with Microalloying
Xu, Xianfan	1803	Junwoo Jang†	Femtosecond laser annealing of HfZrO2 (HZO) thin films: Effects on Crystallization, Ferroelectricity and Optical Properties.
Xue, Yexiang	7075	Daniel C Xie†	Reducing Hallucination in LLM-based Scientific Literature Summarization Using Peer Context Outlier Detection

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Yang, Fan	1462	Tanay Jain† Inaki Garcia Barcena Garcia† Jennifer Yunning Lu†	AutoIC - Integration of BIM for Bridge Modeling
Yang, Fan(Aria)	1462	Tanay Jain† Inaki Garcia Barcena Garcia† Jennifer Yunning Lu†	AutoIC - Integration of BIM for Bridge Modeling
Yang, Madeleine	1037	Margaret Elizabeth Collins† Kathryn Laura Yang-Can Nevers* Raymond Tan* Fayrouz Mourad*	Big Tech's Authority and Governance
Yang, Siqi	1276	Yen-hsi Lai†	The Relationship Between State-Level Tobacco Laws and Prevalences in the US: A Mediation Analysis
Yarger, Drew	1556	Joseph Mitchell Van Valer†	Spatial Prediction of Gaussian Processes with the Confluent Hypergeometric Difference Covariance Function
Ye, Peide	1252	Remley Grace Hooker†	SCALE HI-AP : Exploring 2D Tellurium for Advanced Pressure Sensors in Extreme Underwater Environments
Ye, Zihao	9005	Luisa Cruz Miotto† Qiuyang Huang† Heidi Teng†	Evaluating Vision Transformer Architectures: Accuracy, Efficiency, and Resilience in Image Classification
Yeomans, Christopher	8001	Jack William Fellmy†	Professor of Philosophy
Yoshida, Ken	1467	Taran Reddy Kamireddy† Nadia Bailen Boluda† Lara Nour Courgi† Elias Malak† Owen Michael Bartel‡ Samarth Bhat‡ Cooper Lee Cotton‡ Pratika Kumar‡ Gema Roselyn Parra‡ Andrew Loren Peterson‡ Nicholas John Albrecht‡	Wearable System for Tracking Stroke Rehabilitation Progress
Yoshida, Ken	7115	Charlita Sinmak† Ayden Matthew Rosencranz‡ Antonio C De Oliveira Segura‡	The effect of the addition of MXene (Ti3C2Tx) on the long term stability of poly(3,4-ethylenedioxythiophene): poly(styrene sulfonate) (PEDOT:PSS) bioelectronic interfaces
Yoshida, Ken	9030	Willard Gabriel Rash Cuevas† Samir Niradbhai Patel† Meghana Sunil Kumar† Jaskarandeep Kaur† Gavin Allen Arner‡ Zachary Gosnell‡ Elliott Samuel Korentager‡ Cohen Scott Meredith‡ Jakob Eric Mikolajczyk‡ Pralhad Prashant Mundargi‡ Gavin Wang‡	Refinement of Acrylic Cages for Seizure Research
Yoshida, Ken	9031	Ayden Matthew Rosencranz† Charlita Sinmak† Antonio C De Oliveira Segura†	Enhancing the Stability of Conductive Bioelectrodes Using Advanced Nanomaterials
Youngblood, Jeffrey P	1003	Junyeong Ahn† Rachel Alexis Koeiman‡	Analysis of Longevity of Vegetable Oil as Metallurgical Quenchants Under Accelerated Aging
Yu, Denny	1284	Che Liu† Aqib Muhammad Abdullah†	Large language model (LLM) for surgical training and the evaluations of LLM performance
Yu, Denny	1744	Alpamys Sultanbek† Jasmine Alyssa Luke‡	A Pilot Study in Real-time Mental Workload Measurement Tool for use in Robotic Surgery Training

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Yu, Denny	7204	Haochen Feng†	The Relationship Between Communication and Surgery Success: Analyzing Key Speech Metrics
Yu, Denny	9018	Jasmine Alyssa Luke† Alpamys Sultanbek‡	Assessing the Accuracy of a Real-Time Mental Workload Load-Based Measurement Tool: A Pilot Study
Yuan, Ziqin	1654	Arjun Sandeep Gupte†	Preference-based Reinforcement Learning with Multimodal Feedback from Foundation Models
Yun, Yeon Ji	1327	Ranav Sethi† Peter Edvardsson† Seung Hyun Choi† Ashwin Kazuki Thampi† Nathan Zhou† Si Ci Chou† Sean Xiaoyang Su†	Adaptive Accompaniment for Musical Compositions
Yun, Yeon Ji	1608	Utkarsh Bali† Tim Nadolsky† Liam Matthew Stonestreet† Henry Hengyi Tsay†	Visualize Music using Generative Models of Artificial Intelligence
Yun, Yeon Ji	1623	Ojas Chaturvedi† Kayshav Bhardwaj† Tanay Hemant Gondil† Ankur Senapati† Sanshray Kumar† Yuting Xiao† Mithun Mahesh†	Quantitative Comparison for Automatic Music Transcription
Yun, Yeon Ji	7041	Gurtej Singh Bagga† Trevor Mission Ju† Benjamin Joseph Taylor† Jackson Patrick Shields† Dinmukhamed Mukhtar Tynysbay† Han Li† Hanako S Keney† Paige Lorenz† Aneesh Pendyala† Yumin Kim† William P Jiang* Shrinand Perumal*	Artificial Intelligence in Music - Computer Vision
Yun, Yeon Ji	7124	Tanishaa Shah† Jiashu Liu† Samantha Sudhoff† Pranesh S Velmurugan† Vincent Wentao Zhao†	Studying Cello Bowing Performance through a Robotic Arm and Reinforcement Learning
Zakharov, Sergey	1418	Enrique Camacho† Haruna Kawai† Chase John Grimm† Yilin Xu‡	Designing Standard Cell Library using Open-Source Software

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Zakharov, Wei	1000	Colby Ben Acton† Alexander Peter Siladie† Gaetano Antonio Iannotta† Ryan James Hirsch† Vaibhav Charan† Apostolos Adam Cavounis† Shrish Mahesh† Samuel Enoch Jebaraj‡ Saimaurya Kanagala‡ Shrey Agarwal‡ Sun Hong H Park‡ Kaya Tacer‡ Sarath Rajesh‡ Ruhaan Batta‡ Rohini Pillai‡ Yu-Kuang Chen‡ Sai Maanasa Gogula‡ Zhenghao Xu‡ Jake Alan Patterson‡ Amey Bhandari‡ Keshav V Sreekantham‡ SuHan Cheng‡ Ziang Wang‡ Tri Quang Vo‡	VIP - AI for Education
Zakharov, Wei	1279	Zonghan Lei† Zachary John Heskett* Vikram Oddiraju*	Leveraging ChatGPT for Qualitative Data Analysis: A Case Study on Data Management Practices among Computer Vision Scholars
Zhang, Fanyi	1236	Amanda Heidi Feeley†	The Effect of COVID-19 on Second-Year Engineering Students
Zhang, GuangJun	1552	Maitreyee Panini Telang†	Chemogenetic Tools in Zebrafish: Visualizing and Manipulating Bioelectric Activity.
Zhang, Jiansong	1462	Tanay Jain† Inaki Garcia Barcena Garcia† Jennifer Yunning Lu†	AutoIC - Integration of BIM for Bridge Modeling
Zhang, Lei	1523	Sonia Amaris Propst-Zuverza†	Further Study of Root Knot Nematode with Suppressive Soil Types
Zhang, Pengjun	1283	Nathan Roger Lin† Annabella Mei Lau† Amanda Lynn Spanier‡	The Role of AKT and Skeletal Muscle in The Maintenance Of Neuromuscular Junction Plasticity
Zhang, Siqi	1437	Divya Tarika Durai† Maggie Brinn Miller†	Do parents
Zhang, Tianyi	9000	Eshaan Agarwal†	Modular Soft Assemblies with Independent Cells
Zhang, Yi	7062	Yen-hsi Lai†	Ultrastructural Characterization of White Adipose Tissue in Albumin Knockout Mice
Zhang, Zheyuan	1699	Farren M Martinus†	Evaluating Cross-Species Generalization Capabilities of Deep Learning Models in Laparoscopic Surgical Tool Segmentation
Zhang, Zheyuan	7211	Farren M Martinus†	Evaluating Cross-Species Generalization Capabilities of Deep Learning Models in Laparoscopic Surgical Tool Segmentation
Zhou, Xinyi	7129	Grace Kathryn Adams† Adrienne M Baumann† Galit Beraja† Alec Carter Didocha†	Diet Quality and Nutrient Biomarkers - Results from the Personalized Nutrition, Education, Assessment, “Real” Food, and Lifestyle Support (PEARL) Study for Individuals with Autism Spectrum Disorde
Zhu, Fengqing	1097	Bhavya Lakhina† Kathleen Elane O'Sullivan† Gavin Noel Hendrix†	APPS: Style Transfer

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Zhu, Fengqing	1240	Connor Bradley Frey† Joonyeoup Kim† Piotr Stanislaw Nabrzyski† William Benjamin Tao†	Continual Learning for Calorie Estimation of Food Items
Zhu, Fengqing	1352	Jai Balaji Viswanath† Zian Pan†	Traffic Light Detection for Autonomous Vehicles
Zhu, Fengqing	1500	Jacob Ray Morales† Sidh Jain† Alessandra Rice† Tuan Minh Pham† Puruo Wang†	Enhancing Bone Fragment Identification in Forensic Anthropology Using Machine Learning
Zhu, Fengqing	1613	Ishaan Bangarraju Buddharaju† Aryan Kiran Kumar Chamarajanagar† Ishita Shukla† Parth Nitin Ranade†	Pedestrian Detection in EarthCam Images: Benchmarking Three Object Detection Methods
Zhu, Fengqing	1734	Ahmed Wael Shebl† Abdelrahman Hamdy Ghania† Zeyad Ayman El Afify†	3D Food Reconstruction
Zhu, Fengqing	1747	Soneya Tamang†	Timing and Duration of Eating by Self-Report and Self-Taken Images and Its Link to Environmental Factors
Zhu, Fengqing	7053	William Henry Stevens† Karthik Selvaraj† Gabriel A Torres† Leo Ross Benaharon† Surya Teja Sripathi†	Refining Text Detection using Transfer Learning and a Unified Approach to Text Localization and Transcription
Zhu, Han	1306	Joon Hong Park† Pranav Punuru‡	KiharaLab EMSuite Server: Advanced Tools for Cryo-EM Structure Modeling and Validation
Zhu, Jiafei	1342	Nora Mariam Sukkar†	Organoid-based study of free fatty acid-induced lipid accumulation and growth dynamics in MAFLD
Zhu, Jiafei	7018	Anna Catherine Dressman† Nora Mariam Sukkar*	Modeling metabolic dysfunction-associated fatty liver disease using liver organoids
Ziliak, Meredith Christine	1112	Jax Patrick Marrone†	Characterization of Envelope Following Responses to Complex Stimuli
Ziolkowski, Rebecca A	1116	Shivani Naayak† Arshia Bhuvana Rama‡ Lauren M Hopkins‡ Gavin Sung-Hei Chiu‡	Understanding Experiences and Beliefs Surrounding Cervical Cancer Among Women Experiencing Homelessness
Ziviani, Davide	1509	Sonia Panchal†	Investigating Embedded Sensing in Metamaterials for Thermal Management Applications
Ziviani, Davide	1802	Ethan Ray Liao†	Development of an Experimental Setup to Investigate Commercial Refrigeration Systems with Low-GWP Refrigerants
Zollner, Patrick A	1165	Jonica Lynn Wooton†	Detecting SARS-CoV-2, CPV, and CDV in River Otters Using qPCR
Zoltowski, Carla	1097	Bhavya Lakhina† Kathleen Elane O'Sullivan† Gavin Noel Hendrix†	APPS: Style Transfer
Zoltowski, Carla	1240	Connor Bradley Frey† Joonyeoup Kim† Piotr Stanislaw Nabrzyski† William Benjamin Tao†	Continual Learning for Calorie Estimation of Food Items
Zoltowski, Carla	1352	Jai Balaji Viswanath† Zian Pan†	Traffic Light Detection for Autonomous Vehicles
Zoltowski, Carla	1500	Jacob Ray Morales† Sidh Jain† Alessandra Rice† Tuan Minh Pham† Puruo Wang†	Enhancing Bone Fragment Identification in Forensic Anthropology Using Machine Learning

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Zoltowski, Carla	1613	Ishaan Bangarraju Buddharaju† Aryan Kiran Kumar Chamarajanagar† Ishita Shukla† Parth Nitin Ranade†	Pedestrian Detection in EarthCam Images: Benchmarking Three Object Detection Methods
Zoltowski, Carla	1734	Ahmed Wael Shebl† Abdelrahman Hamdy Ghania† Zeyad Ayman El Afify†	3D Food Reconstruction
Zoltowski, Carla	7053	William Henry Stevens† Karthik Selvaraj† Gabriel A Torres† Leo Ross Benaharon† Surya Teja Sripathi†	Refining Text Detection using Transfer Learning and a Unified Approach to Text Localization and Transcription
Zou, Ben	7097	Yizhou Fang†	Land Price and Land Use Gradients in China: Empirical Evidence on the Monocentric Model and Policy Influences
Zouzas, William Christian	1744	Alpamys Sultanbek† Jasmine Alyssa Luke‡	A Pilot Study in Real-time Mental Workload Measurement Tool for use in Robotic Surgery Training
Zouzas, William Christian	9018	Jasmine Alyssa Luke† Alpamys Sultanbek‡	Assessing the Accuracy of a Real-Time Mental Workload Load-Based Measurement Tool: A Pilot Study