

2023 RESEARCH PUBLICATIONS BY STUDENTS AND FACULTY

(Totals from optional self-reporting. Actual totals likely higher. If viewing this document online, use your web browser's FIND to search for names, topics, etc.)

Cal Poly Bailey College of Science and Mathematics Department	Cal Poly Bailey College of Science and Mathematics Faculty Authors/Co-Authors	Publication Title; Faculty Author(s); Citation; DOI – NOTE: Student and faculty author and co-author names can be viewed in the publication and its DOI.
Biological Sciences	Jean Davidson, Crow White	Genomic DNA extraction optimization and validation for genome sequencing using the marine gastropod <i>Kellet's whelk</i> . Davidson, 11:e16510 https://doi.org/10.7717/peerj.16510
Biological Sciences	Heather Liwanag	Effects of ontogeny and oiling on the thermal function of southern sea otter (<i>Enhydra lutris nereis</i>) fur; <i>Conservation Physiology</i> 11(1): coad095; https://doi.org/10.1093/conphys/coad095
Biological Sciences	Heather Liwanag	Rapid physiological plasticity in response to col acclimation for non-native Italian Wall Lizards (<i>Podarcis siculus</i>) from New York; <i>Physiological and Biochemical Zoology</i> 96(5): 356-368; https://doi.org/10.1086/726163
Biological Sciences	Heather Liwanag	Ontogenetic changes in southern sea otter (<i>Enhydra lutris nereis</i>) fur morphology; <i>Journal of Morphology</i> 284: e21624; https://doi.org/10.1002/jmor.21624
Biological Sciences	Heather Liwanag	Osmotic and metabolic responses to cold acclimation and acute cold challenge in a freeze avoidant lizard, <i>Podarcis siculus</i> ; <i>Comparative Biochemistry and Physiology, Part A: Molecular & Integrative Physiology</i> 283: 111471; https://doi.org/10.1016/j.cbpa.2023.111471
Biological Sciences	Heather Liwanag	Some like it hotter: Differential thermal preferences among intraspecific lizard color morphs; <i>Journal of Thermal Biology</i> 113: 103532; https://doi.org/10.1016/j.jtherbio.2023.103532
Biological Sciences	Michael Jones	Balance-based exercise programs on balance in older adults with mild to moderate dementia: A critically appraised topic.; <i>Ageing Research and Reviews</i> Vol 91; https://doi.org/10.1016/j.arr.2023.102073
Biological Sciences	Tim Bean	Patch size and connectivity predict remnant habitat occupancy by an endangered wetland specialist, the salt marsh harvest mouse; <i>Landscape Ecology</i> , 38, 2053-2067; 10.1007/s10980-023-01683-1
Biological Sciences	Tim Bean	A spatial, closed integrated population model to estimate wildlife population size and structure; <i>Journal of Wildlife Management</i> , 87, e22459; 0.1002/jwmg.22459
Biological Sciences	Francis Villablanca, Tim Bean	Determining extinction for small cryptic species: the Morro Bay kangaroo rat; <i>Diversity</i> , 15, 245; 10.3390/d15020245
Biological Sciences	Emily Taylor	Differing acclimation responses for hydration and evaporative water loss of lizards in response to temperature and humidity. <i>Journal of Experimental Biology</i> 226, jeb246459.
Biological Sciences	Emily Taylor	Stress ecology in Snakes. In "Snakes: Morphology, Function, and Ecology" (D. Penning, ed.). Nova Science Publishers.
Biological Sciences	Rajakaruna, Nishi	Global plant ecology of tropical ultramafic ecosystems. <i>The Botanical Review</i> 89:115-157 (https://doi.org/10.1007/s12229-022-09278-2)
Biological Sciences	Rajakaruna, Nishi; Grossenbacher, Dena	Specific leaf area is lower on ultramafic than on neighbouring non-ultramafic soils. <i>Plant Ecology and Diversity</i> 15: 243-253; https://doi.org/10.1080/17550874.2022.2160673
Biological Sciences	Rajakaruna, Nishi	Introduction to Special Issue: The ecology and evolution of plants in extreme environments. <i>Plant Ecology and Diversity</i> 15: 179-182; https://doi.org/10.1080/17550874.2022.2164703
Biological Sciences	Rajakaruna, Nishi	Testing the suitability of portable X-Ray Fluorescence (pXRF) analysis of dried herbarium specimens to detect Ni hyperaccumulators in South Africa. <i>South African Journal of Botany</i> 158: 80-83; https://doi.org/10.1016/j.sajb.2023.05.005
Biological Sciences	Rajakaruna, Nishi	GYPWORLD Africa: Setting an agenda for gypsum ecosystem research in southern Africa. <i>South African Journal of Science</i> 119 (9/10); https://doi.org/10.17159/sajs.2023/15308
Biological Sciences	Ritter, Matt	The Global Distribution of Acacia Species. <i>Invasion Biology</i> , In Press, 2023
Biological Sciences	Ritter, Matt; Yost, Jenn	California's Native Trees and Their Use in the Urban Forest. <i>Urban Forestry & Urban Greening</i> . doi.org/10.1016/j.ufug.2023.128125
Biological Sciences	Yost, Jenn	Digitized herbarium specimens as keystones of grassland research. <i>Grasslands</i> . 62 (4): 6-9
Biological Sciences	John Perrine	A hierarchical modeling approach to predict the distribution and density of Sierra Nevada red fox (<i>Vulpes vulpes necator</i>). <i>Journal of Mammalogy</i> 104(4): 820-832. DOI: 10.1093/jammal/gyad026
Biological Sciences	John Perrine	Documentation of microplastics in the gastrointestinal tracts of terrestrial raptors in central California, USA. <i>California Fish and Wildlife Journal</i> 109:e6. DOI: 10.51492/cfwj.109.6
Biological Sciences	Christy Strand	Sex and season affect cortical volumes in free-living Western fence lizards, <i>Sceloporus occidentalis</i> ; 2023. <i>Brain, Behavior, & Evolution</i> 98 (3): 160-169. https://doi.org/10.1159/000529692
Biological Sciences	Sean Lema	Mitochondrial genome of the jack silverside, <i>Atherinopsis californiensis</i> (Atherinopsidae, Atheriniformes), a nearshore fish of the California Current Ecosystem. <i>Mitochondrial DNA Journal</i> Part B 8, 13-17.
Biological Sciences	Sean Lema	Nutritional status affects Igf1 regulation of skeletal muscle myogenesis, myostatin, and myofibrillar protein degradation pathways in gopher rockfish (<i>Sebastes carnatus</i>). <i>Molecular and Cellular Endocrinology</i> 573, 111951.
Biological Sciences	Sean Lema	Insulin-like growth factor-1 (Igf1) signaling responses to food consumption after fasting in the Pacific rockfish <i>Sebastes carnatus</i> . <i>Comparative Biochemistry and Physiology, Part A</i> 282, 111444.
Biological Sciences	Crow White, Sean Lema	Filter-feeding Pacific Lamprey (<i>Entosphenus tridentatus</i>) ammocetes can reduce suspended concentrations of <i>E. coli</i> bacteria. <i>Fishes</i> 8, 101.
Biological Sciences	Crow White	"Full closure of high seas would triple the benefits." <i>Nature</i> 616.7958 (2023): 661-661.
Biological Sciences	Benjamin Ruttenberg, Lisa Needles	Distribution, abundance, and drivers of population variability of a large sandy intertidal bivalve (<i>Tivela stultorum</i>) across California. <i>Regional Studies in Marine Science</i> 65:103063. https://doi.org/10.1016/j.rmsa.2023.103063
Biological Sciences	Dean Wendt, Benjamin Ruttenberg	Marine protected areas, marine heatwaves, and the resilience of nearshore fish communities. <i>Scientific Reports</i> 13: 1405. https://doi.org/10.1038/s41598-023-28507-1
Biological Sciences	Magdalena Maj	Decreased FXR Agonism in the Bile Acid Pool is Associated with Impaired FXR Signaling in a Pig Model of Pediatric NAFLD; <i>Biomedicines</i> Dec 2023; doi: 10.3390/biomedicines1123303
Biological Sciences	Clinton Francis	Background acoustics in terrestrial ecology. <i>Annual Review of Ecology, Evolution, and Systematics</i> 2023 54:1, 351-373. https://doi.org/10.1146/annurev-ecolsys-102220-030316
Biological Sciences	Clinton Francis	Understanding Organisms Using Ecological Observatory Networks. <i>Integrative Organismal Biology</i> , 5(1), p.obad036. https://doi.org/10.1093/iob/obad036
Biological Sciences, Computer Science	Jean Davidson, Elena Keeling, Paul Anderson	De novo genome assembly and comparative genomics for colonial ascidian <i>Botrylloides violaceus</i> ; <i>G3 Genes Genomes Genetics</i> , 2023;; jkad181 https://doi.org/10.1093/g3journal/jkad181
Biological Sciences, Computer Science	Jean Davidson, Paul Anderson	PUMP: An Underspecification Analysis Tool; <i>Bioinformatics</i> , 101-108. https://doi.org/10.5220/0011697600003414
Biological Sciences, Computer Science	Jean Davidson, Crow White, Paul Anderson	De novo genome and transcriptome assembly of <i>Kelletia kelletii</i> , a coastal gastropod and fisheries species exhibiting a northern range expansion.; <i>Front. Mar. Sci., Sec. Marine Molecular Biology and Ecology</i> Volume 10 - 2023 https://doi.org/10.3389/fmars.2023.1278131 .
Chemistry and Biochemistry	Dan Bercovici, Philip Costanzo	"Experimental and Theoretical Exploration of the Kinetics and Thermodynamics of the Nucleophile-Induced Fragmentation of Ylidenenorbornadiene Carboxylates."; <i>J. Org. Chem.</i> 2023. 88, 11683-11693. https://doi.org/10.1021/acs.joc.3c00980 .
Chemistry and Biochemistry	Leslie Hamachi	Synthesis of Graded Cd51-xSex Nanoplatelet Alloys and Heterostructures with Pairs of Chalcogenoureas with Tailored Conversion Reactivity. <i>Chem. Sci.</i> 2023, 14, 12345-12354. DOI: 10.1039/D3SC03384H
Chemistry and Biochemistry	Leslie Hamachi	COF-300 Synthesis and Colloidal Stabilization With Substituted Benzoic Acids. <i>RSC Adv.</i> 2023, 13, 14484-14493. DOI: 10.1039/D3RA02202A
Chemistry and Biochemistry	Leslie Hamachi, Ajay Kathuria, Mohsen Kiviy, Amro El Badawy	Environmentally Benign, Bioderived, Biocompatible, Thermally Stable MOFs Suitable for Food Contact Applications. <i>Trends Food Sci.</i> 2023, 138, 323-338. DOI: https://doi.org/10.1016/j.tifs.2023.06.024
Chemistry and Biochemistry	Derik Frantz, Ashley McDonald	Intramolecular Diels-Alder Reaction of a Biphenyl Group in a Strained meta-Quaterphenylene Acetylene, <i>The Journal of Organic Chemistry</i> , 2023. DOI: https://doi.org/10.1021/acs.joc.2c02280 (Note: Selected as Front Cover Feature)
Chemistry and Biochemistry	Ray Fernando	Effects of latex and thickener polarities on rheology and phase stability of latex-HEUR mixtures
Chemistry and Biochemistry	Emily Bockmon, Ryan Walter	Spatial distribution of seawater carbonate chemistry and hydrodynamic controls in a low-inflow estuary. <i>Estuarine, Coastal and Shelf Science</i> , 281, 2023. doi.org/10.1016/j.ecss.2022.108195
Chemistry and Biochemistry	Emily Bockmon	"Conserving and Managing Estuaries during Climate Change". In <i>Climate Change and Estuaries</i> , edited by MJ Kennish, HW Paerl, and JR Crosswell. Publisher Taylor & Francis. 2023.
Chemistry and Biochemistry	Anya Goodman	Cytosolic concentrations of actin binding proteins and the implications for in vivo F-actin turnover. <i>J Cell Biol.</i> 2023 Dec 4;222(12):e202306036. doi: 10.1083/jcb.202306036.
Chemistry and Biochemistry	Anya Goodman	The Genomics Education Partnership: First findings on genomics research in community colleges. <i>Scholarsh Pract Undergrad Res.</i> 2023 Spring;6(3):17-28. DOI: https://doi.org/10.18833/spur/6/3/1

Chemistry and Biochemistry	Javin Oza, Andres Martinez	"Development of Solid-State Storage for Cell-Free Expression Systems," <i>ACS Synth. Biol.</i> , 2023, 12, 2561-2577.
Chemistry and Biochemistry, Biological Sciences	Andres Martinez, Nathaniel Martinez	"Evaluation of Chromogenic Substrates for Horseradish Peroxidase on Paper-Based Microfluidic Devices," <i>Sensors and Actuators B: Chemical</i> , 2023, 377, 133028.
Kinesiology and Public Health	Adrienne Lent	Smokers with Access to Care are More Likely to Attempt Quitting Smoking; <i>Health Behavior and Policy Review</i> . 2023. Jun;10(3):1291-1300. DOI: https://doi.org/10.14485/HBPR.10.3.3
Kinesiology and Public Health	Alison K. Ventura	Knowledge and use of paced bottle-feeding among mothers of young infants. <i>Journal of Nutrition Education and Behavior</i> . 2023 Sep 22;51499-4046(23)00472-4. doi: 10.1016/j.jneb.2023.08.002. Online ahead of print.
Kinesiology and Public Health	Alison K. Ventura	Associations between maternal technology use during mother-toddler mealtime interactions, responsive feeding, and child temperament. <i>Journal of Behavioral and Developmental Pediatrics</i> . 2023 May 1;44(4):e315-e321.
Kinesiology and Public Health	Alison K. Ventura	Maternal Responsiveness and Toddler Body Mass Index z-score: Prospective Analysis of Maternal and Child Mealtime Interactions. <i>Appetite</i> . 2023 Jan 1;180:106348.
Kinesiology and Public Health	Stefanee Maurice	"It's absolutely essential": Sport and performance psychology practitioners' perspectives on training, use, and importance of debriefing in applied work. <i>The Sport Psychologist</i> , 37(3), 220-227. doi: 10.1123/tsp.2022-0113
Kinesiology and Public Health	Suzanne Phelan	The partner-an underutilized facilitator to support healthy gestational weight gain; <i>BMC pregnancy and childbirth</i> 23 (1), 1-3; 2023
Kinesiology and Public Health	Suzanne Phelan	Behavioral, psychological, and environmental predictors of weight regain in a group of successful weight losers in a widely available weight-management program. <i>Obesity</i> 31 (11), 2709-2719; 2023
Kinesiology and Public Health	Suzanne Phelan	A healthier retail food environment around the home is associated with longer duration of weight-loss maintenance among successful weight-loss maintainers. <i>Preventive Medicine</i> 172, 107536; 2023
Kinesiology and Public Health	Suzanne Phelan	Associations Between Technology Use, Responsive Feeding, and Child Temperament Among Prior Prenatal Intervention Participants; <i>Journal of Developmental & Behavioral Pediatrics</i> 44 (4), e315-e321
Kinesiology and Public Health	Suzanne Phelan	Weight gain prevention interventions in the Study of Novel Approaches to Weight Gain Prevention (SNAP) trial promote ideal cardiovascular health in young adults; <i>Journal of Developmental & Behavioral Pediatrics</i> 44 (4), e315-e321 ; 2023
Kinesiology and Public Health	Suzanne Phelan	Gestational Diabetes Is Characterized by Decreased Medium-Chain Acylcarnitines and Elevated Purine Degradation Metabolites across Pregnancy: A Case-Control Time-Course Analysis; <i>Journal of Proteome Research</i> 22 (6), 1603-1613; 2023
Kinesiology and Public Health	Suzanne Phelan	Preconception weight loss to improve pregnancy outcomes: Does the evidence justify national recommendations? <i>Obesity</i> 31 (3), 594-59; 2023
Kinesiology and Public Health	Suzanne Phelan	Identification of potential biomarkers and metabolic insights for gestational diabetes prevention: A review of evidence contrasting gestational diabetes versus weight lo; <i>Nutrition</i> 107, 111898; 2023
Kinesiology and Public Health	Suzanne Phelan	Randomized controlled trial of prepregnancy lifestyle intervention to reduce recurrence of gestational diabetes mellitus; <i>American journal of obstetrics and gynecology</i> ; 2023
Kinesiology and Public Health	Suzanne Phelan	Mi Gente, Nuestra Salud: Protocol for a People's Movement for Health Ownership; <i>Progress in Community Health Partnerships: Research, Education, and Action</i> ; 2023
Kinesiology and Public Health	Suzanne Phelan	Maternal responsiveness and toddler body mass index z-score: Prospective analysis of maternal and child mealtime interactions; <i>Appetite</i> 180, 106348; 2023
Kinesiology and Public Health	Jafra Thomas	An infamous tradition: The real weight behind the Confederate flag in sport. <i>International Journal of Undergraduate Research and Creative Activities</i> , 15(1). Article 8. https://digitalcommons.cwu.edu/ijurca/vol15/iss1/8/
Kinesiology and Public Health	Jafra Thomas	Empowering students as leaders of behavior change: An experiential-learning project. <i>Educational Practices in Kinesiology</i> , 3(1), 30-43. https://digitalcommons.wku.edu/epik/vol3/iss1/3/
Kinesiology and Public Health	Jafra Thomas	Should minor league mean minor pay: A student analysis of the public debate. <i>International Journal of Undergraduate Research and Creative Activities</i> , 15(1). Article 2. https://digitalcommons.cwu.edu/ijurca/vol15/iss1/4/
Kinesiology and Public Health	Jafra Thomas	Improving communication in kinesiology through a practicum course. <i>International Journal of Kinesiology in Higher Education</i> , 7(3), 257-268. https://doi.org/10.1080/24711616.2022.2141156
Kinesiology and Public Health	Jafra Thomas	Building up Cal Poly Global Brigades student group: Reflections on designing and implementing one undergraduate-led community info session [Experiential senior project report, California Polytechnic State University: San Luis Obispo]. <i>Cal Poly Digital Commons</i> . https://digitalcommons.calpoly.edu/kinesp/26/
Kinesiology and Public Health	Marilyn Tseng	Mi Gente, Nuestra Salud: Protocol for a People's Movement for Health Ownership. <i>Progress in Community Health Partnerships: Research, Education, and Action (PCHP)</i> . 2023 Winter, 17:699-710
Kinesiology and Public Health	Marilyn Tseng	Neighborhood gentrification, wealth, and co-ethnic density associations with acculturation stressors among Chinese immigrants. <i>SSM-Population Health</i> . 2023 Sep 1;23:101476. (In press).
Kinesiology and Public Health	Christine Hackman	The role of moral norms as a determinant of intentions to engage in bystander intervention to prevent sexual assault. <i>Journal of community psychology</i> , 51(1), 334-344.
Liberal Studies	Jasmine Nation	Fostering belonging in a university research community of practice. (2023). In E. Rueda & C. Lowe-Swift (Eds.), <i>Creating Academic Belonging for Underrepresented Students: Models and Strategies for Faculty Success</i> . Stylus Publishing.
Liberal Studies	Jasmine Nation	"We need to step it up--we are basically the future": Latinx young women co-construct the science storyline in high school chemistry. <i>Journal of Research in Science Education</i> .
Mathematics	Jeffrey Liese	Singleton mesh patterns in multidimensional permutations. <i>Journal of Combinatorial Theory, Series A, Volume 201, (2024)</i> , 105801, ISSN 0097-3165.
Mathematics	Anthony Mendes	Matrix Representations From Labeled Trees. <i>J. Integer Seq.</i> , 26(2023).
Mathematics	Efstathios Charalampidis	[1] The stability of the b-family of peakon equations; <i>Nonlinearity</i> 36 (2023) 1192; [2] Breathers in lattices with alternating strain-hardening and strain-softening interactions; <i>Phys. Rev. E</i> 107 (2023) 054208; [3] Uniform-density Bose-Einstein condensates of the Gross-Pitaevskii equation found by solving the inverse problem for the confining potential; <i>Phys. Rev. E</i> 107 (2023) 064202; [4] Discovering Governing Equations in Discrete Systems using PINNs; <i>Commun. Nonlinear Sci. Numer. Simulat.</i> 126 (2023) 107498;
Mathematics	Morgan Sherman	The perfect conductivity problem with arbitrary vanishing orders and non-trivial topology; <i>Journal of Mathematical Analysis and Applications</i> 527, no. 2 (2023); http://dx.doi.org/10.1016/j.jmaa.2023.127469
Mathematics	Elena Dimitrova	Open-source package for simulation and analysis of finite dynamical systems. <i>Bioinformatics</i> , Volume 39, Issue 11, November 2023.
Mathematics	Ryan Tully-Doylie	Induced Steiner factorization and the Wittstock support theorem. <i>Results in Mathematics</i> 78 (2023); https://doi.org/10.1007/s00025-023-01908-4
Physics	Vardha N. Bennert	Signatures of feedback in the spectacular extended emission region of NGC 5972; et al. 2023; <i>Monthly Notices of the Royal Astronomical Society</i> , 526, 4174; DOI: 10.1093/mnras/stad2989
Physics	Vardha N. Bennert	The Seoul National University AGN Monitoring Project. IV. H α Reverberation Mapping of Six AGNs and the H α Size-Luminosity Relation; Cho, H. et al. 2023; <i>The Astrophysical Journal</i> , 953, 142; DOI: 10.3847/1538-4357/ace1e5
Physics	Vardha N. Bennert	The Nature of LoBAL QSOs. II. HST/WFC3 Observations Reveal Host Galaxies Dominated 2023; <i>The Astrophysical Journal</i> , 949, 69; DOI: 10.3847/1538-4357/accd60
Physics	Vardha N. Bennert	What Does the Geometry of the H β BLR Depend On? 2023; <i>The Astrophysical Journal</i> , 948, 95; DOI: 10.3847/1538-4357/accc84
Physics	Vardha N. Bennert	TDCOSMO. XII. Improved Hubble constant measurement from lensing time delays using spatially resolved stellar kinematics of the lens galaxy; 2023; <i>Astronomy & Astrophysics</i> , 673, A9; DOI: 10.1051/0004-6361/202345878
Physics	Vardha N. Bennert	The Close AGN Reference Survey (CARS). A parsec-scale multi-phase outflow in the super-Eddington NLS1 Mrk 1044; 2023; <i>Astronomy & Astrophysics</i> , 670, A3; DOI: 10.1051/0004-6361/202244630
Physics	Ryan K. Walter	Spatial distribution of seawater carbonate chemistry and hydrodynamic controls in a low-inflow estuary, Estuarine, Coastal and Shelf Science, 281, https://doi.org/10.1016/j.ecss.2022.108195 .
Physics	Ryan K. Walter	Northeast Pacific eelgrass dynamics: interannual expansion distances and meadow volatility, <i>Marine Ecology Progress Series</i> , 705, 61-75, https://doi.org/10.3354/meps14248 .
Physics	Ryan K. Walter	Application of deep learning for classification of intertidal eelgrass from drone-acquired imagery, <i>Remote Sensing</i> , 15(9), 2321, https://doi.org/10.3390/rs15092321
Physics	Ryan K. Walter	Flushing time variability in a short, low-inflow estuary, <i>Estuarine, Coastal and Shelf Science</i> , 284, https://doi.org/10.1016/j.ecss.2023.108277 .
Physics	Ryan K. Walter	Effects of basin-scale climate modes and upwelling on nearshore marine heatwaves and cold spells in the California Current, <i>Scientific Reports</i> , 13, 12389, https://doi.org/10.1038/s41598-023-39193-4
Physics	Scott Johnston	Geologic map of the Sixmile Canyon quadrangle, White Pine County, Nevada: Nevada Bureau of Mines and Geology Open-File Report 2023-08, scale 1:24,000, 8 p.

Physics	Antonio F. Garcia	Storm-driven sedimentation and dynamics of a sediment slug in an ephemeral stream: Influence on sediment-routing systems within source areas. <i>Geosphere</i> 2023;; 20 (1): 214-236. doi: https://doi.org/10.1130/GES02683.1
Physics	Reza Monadi	Machine Learning Uncovers the Universe's Hidden Gems: A Comprehensive Catalogue of CIV Absorption Lines in SDSS DR12. Journal link: https://academic.oup.com/mnras/article/526/3/4557/7284398 , publication data: 27 September 2023
Physics	Reza Monadi	PRIYA: A New Suite of Lyman-alpha Forest Simulations for Cosmology, https://iopscience.iop.org/article/10.1088/1475-7516/2023/10/037 , publication date: 11 October 2023
Physics	Thomas Gutierrez	A first test of CUPID prototypal light detectors with NTD-Ge sensors in a pulse-tube cryostat, CUPID Collaboration, <i>Journal of Instrumentation</i> , 10.1088/1748-0221/18/06/P06033
Physics	Thomas Gutierrez	CUPID: The Next-Generation Neutrinoless Double Beta Decay Experiment, CUPID Collaboration, <i>Journal of Low Temperature Physics</i> , 10.1007/s10909-022-02909-3
Physics	Thomas Gutierrez	Status and prospects of discovery of 0νββ decay with the CUORE detector, <i>Nuovo Cimento della Societa Italiana di Fisica C</i> , 10.1393/ncc/i2023-23007-0
Physics	Thomas Gutierrez	Twelve-crystal prototype of Li ₂ MoO ₄ scintillating bolometers for CUPID and CROSS experiments, CUPID Collaboration, <i>Journal of Instrumentation</i> , 10.1088/1748-0221/18/06/P06018
School of Education	Tina Cheuk	Using Automated Analysis to Assess Middle School Students' Competence with Scientific Argumentation. <i>Journal of Research in Science Teaching</i> . 61(1), 38-69. https://doi.org/10.1002/tea.21864 ,
School of Education	Jessica Jensen	Preservice teachers equitably attending to and interpreting multilingual students' mathematical thinking. <i>School Science and Mathematics</i> , 123(8), 447-460. http://doi.org/10.1111/ssm.12608
School of Education	Megan Guise, Nancy Stauch, Chance Hoellwarth	Collaborative discourse during coteaching: A case study of one in-service teacher's growth. <i>Teaching and Teacher Education</i> .
School of Education	Natasha Neumann	Multilingual Access: Creating Language Pathways from Elementary to High School Multilingual Educator (p.71). https://www.gocabe.org/wp-content/uploads/2023/03/2023onlineME.pdf
School of Education	Sonia Ramrakhiani	Defining mixed-race college students: Multiracial (re) categorization and the visibility of graduation gaps. <i>Journal of Diversity in Higher Education</i> . Advance online publication. https://doi.org/10.1037/dhe0000556
School of Education	Daniel Almeida	Rarely-discussed and often ignored: Classroom-based factors affecting Black students' experiences in developmental mathematics. <i>Journal for Research in Mathematics Education</i> . 54(3), 183-201 DOI: https://doi.org/10.5951/jresmetheduc-2020-0257
School of Education	Daniel Almeida, Sonia Ramrakhiani, Andrew Byrne	The Value of Culturally-Informed and Strengths-Based Faculty Peer Coaching. In K. Rainville, D. Title & C. Desrochers (Eds.) <i>Faculty Peer Coaching in Higher Education: Opportunities, Explorations, and Research from the Field</i> . Charlotte, NC: Information Age Publishing
Statistics	Immanuel Williams	Teaching One-Way ANOVA with engaging NBA data and R Shiny within a flexdashboard. <i>Teaching Statistics</i> .
Statistics	Beth Chance & Soma Roy	"Advancing social justice through learning data literacy," <i>Educational Leadership</i> , 80(8).
Statistics	Jeffrey Sklar	Balance assessment using a smartwatch inertial measurement unit with principal component analysis for anatomical calibration. <i>Sensors</i> , 23(10), 4585.
Statistics	Allison Theobald	Coding Code: Qualitative Methods for Investigating Data Science Skills, <i>Journal of Statistics and Data Science Education</i> , DOI: 10.1080/26939169.2023.2277847
Statistics, Mathematics	Heather Smith	"If you only have one hour ... Teaching statistical inference to youth," <i>Statistics Teacher</i> , March 23, 2023.