



2022 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 College of Science and Mathematics Department	Cal Poly 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	Emily Taylor	Culture-enriched community profiling improves resolution of the vertebrate gut microbiota. <i>Molecular Ecology</i> 22:122-136. https://doi.org/10.1111/1755-0998.13456
Biological Sciences	Emily Taylor	Temperature-based activity estimation accurately predicts surface activity but not microhabitat use in an endangered heliothermic lizard. <i>Amphibian and Reptile Conservation</i> 16:25-34.
Biological Sciences	Emily Taylor	Cutaneous evaporative water loss in lizards is variable across body regions and plastic in response to humidity. <i>Herpetologica</i> 78:169-183. https://doi.org/10.1655/Herpetologica-D-21-00030.1
Biological Sciences	Dena Grossenbacher	Evolutionary convergence on hummingbird pollination in Neotropical <i>Costus</i> provides insight into the causes of pollinator shifts. <i>New Phytologist</i> . 236: 1572-1583
Biological Sciences	Jenn Yost, Matt Ritter, Dena Grossenbacher	A floristic study of Swanton Pacific Ranch, Sant Cruz County California. <i>Madroño</i> . 69(2), pp.139-180.
Biological Sciences	Tim Bean	Tule elk seasonal habitat selection is driven by water dependence and drought. <i>California Fish & Wildlife Journal</i> . https://wildlife.ca.gov/Publications/Journal/Issues/108-3-tule-elk-selection-surface-water-forage
Biological Sciences	Tim Bean	Noninvasive genetic sampling with a Bayesian spatial capture-recapture analysis to estimate abundance of Roosevelt elk (<i>Cervus canadensis roosevelti</i>). <i>Journal of Wildlife Management</i> e22294.
Biological Sciences	Tim Bean	Karuk ecological fire management practices promote elk habitat in Northern California. <i>Journal of Applied Ecology</i> 59:1874-1883.
Biological Sciences	Tim Bean	A novel automated method for point-based change detection increases estimation accuracy of breeding pairs in waterbird colonies. <i>Waterbirds</i> 44:277-288.
Biological Sciences	Tim Bean	The effect of shade tree species on bird communities in central Kenyan coffee farms. <i>Bird Conservation International</i> .
Biological Sciences	Tim Bean	A multi-metric model for identifying elk parturition events. <i>Wildlife Society Bulletin</i> 46(1):e1256
Biological Sciences	Tim Bean	Mixed evidence for niche conservatism in mountain beaver (<i>Aplodontia rufa</i>) lineages. <i>Northwestern Naturalist</i> 102(3):196-215.
Biological Sciences	Heather Liwanag	Physiological effects of caudal autotomy and tail regeneration in Italian Wall Lizards (<i>Podarcis siculus</i>). <i>Journal of Herpetology</i> 56(4): 434-443.
Biological Sciences	Heather Liwanag	Combination midazolam and butorphanol is a safe and effective reversible field sedation protocol for Weddell seal (<i>Leptonychotes weddellii</i>) pups. <i>Veterinary Record</i> : e2238.
Biological Sciences	Heather Liwanag	Metabolic cost of thermoregulation decreases after the molt in developing Weddell seal pups. <i>The Journal of Experimental Biology</i> 225(6): jeb242773.
Biological Sciences	Gita Kolluru	Acoustic signaling performance: variation in vigor at multiple scales; (2022). <i>Animal Behaviour</i> 184:157-171.
Biological Sciences	Nishi Rajakaruna	Lichens of Ultramafic Substrates in North America: A Review. <i>Botany</i> ; https://doi.org/10.1139/cjb-2021-0187
Biological Sciences	Nishi Rajakaruna	The effects of nitrogen enrichment on low nutrient environments: Insights from studies of serpentine soil-plant relations. <i>Agrochemicals in Soil and Environment</i> . Springer, Singapore. https://doi.org/10.1007/978-981-16-9310-6_13
Biological Sciences	Nishi Rajakaruna	Physiological responses to lead and PEG-simulated drought stress in metallicolous and non-metallicolous <i>Matthiola</i> (Brassicaceae) species from Iran. <i>South African Journal of Botany</i> 150: 1011-1021
Biological Sciences	Nishi Rajakaruna	2023. Global plant ecology of tropical ultramafic ecosystems. <i>The Botanical Review</i> (https://doi.org/10.1007/s12229-022-09278-2
Biological Sciences	Nishi Rajakaruna, Dena Grossenbacher	Specific leaf area is lower on ultramafic than on neighbouring non-ultramafic soils, <i>Plant Ecology & Diversity</i> , 15:5-6, 243-252, DOI: 10.1080/17550874.2022.2160673
Biological Sciences	Nishi Rajakaruna	Introduction to special issue: the ecology and evolution of plants in extreme environments, <i>Plant Ecology & Diversity</i> , 15:5-6, 179-182, DOI: 10.1080/17550874.2022.2164703
Biological Sciences	Pat Fidopiasts	<i>Vibrio fischeri</i> possesses Xds and Dns nucleases that differentially influence phosphate scavenging, aggregation, competence, and symbiotic colonization. <i>Applied and Environmental Microbiology</i> . 10.1128/aem.01635-22

Biological Sciences	Sean Lema	Accustomed to the heat: temperature and thyroid hormone influences on oogenesis and gonadal steroidogenesis pathways vary among populations of Amargosa pupfish (<i>Cyprinodon nevadensis amargosae</i>) 2022. <i>Comparative Biochemistry and Physiology, Part A</i> 272, 111280; https://doi.org/10.1016/j.cbpa.2022.111280
Biological Sciences	Sean Lema	Na ⁺ /HCO ₃ ⁻ cotransporter 1 (nbce1) isoform gene expression during smoltification and seawater acclimation of Atlantic salmon. 2022. <i>Journal of Comparative Physiology B</i> 192, 557-592.
Biological Sciences	Clinton Francis	Experimentally broadcast ocean surf and river noise alters birdsong. <i>PeerJ</i> , 10, e13297. https://doi.org/10.7717/peerj.13297
Biological Sciences	Clinton Francis	A stochastic simulation model for assessing the masking effects of road noise for wildlife, outdoor recreation, and bioacoustic monitoring. <i>Oecologia</i> , 199(1), 217-228. https://doi.org/10.1007/s00442-022-05171-2
Biological Sciences	Clinton Francis	The broken-wing display across birds and the conditions for its evolution. <i>Proceedings of the Royal Society B</i> , 289(1971), 20220058. https://doi.org/10.1098/rspb.2022.0058
Biological Sciences	Clinton Francis	Artificial light at night and anthropogenic noise alter the foraging activity and structure of vertebrate communities. <i>Science of The Total Environment</i> , 805, 150223. https://doi.org/10.1016/j.scitotenv.2021.150223
Biological Sciences	Clinton Francis	Natural and anthropogenic noise increase vigilance and decrease foraging behaviors in song sparrows. <i>Behavioral Ecology</i> , 33(1), 288-297. https://doi.org/10.1093/beheco/arab141
Biological Sciences	Magdalena Maj, Chad Immoos, Christy Strand, Hunter Glanz, Mohammed Abo-Ismael, Michael LaFrano, Rodrigo Manjarin	Olive- and Coconut-Oil-Enriched Diets Decreased Secondary Bile Acids and Regulated Metabolic and Transcriptomic Markers of Brain Injury in the Frontal Cortexes of NAFLD Pigs. <i>Brain Sciences</i> . 2022 Nov; DOI: 10.3390/brainsci12091193
Biological Sciences	Magdalena Maj, Kim Sprayberry, Mark Edwards, Hunter Glanz, Chad Immoos, Jason Blank, Mohammed Abo-Ismael, Michael LaFrano	Dietary fat composition shapes bile acid metabolism and severity of liver injury in a pig model of pediatric NAFLD. <i>American Journal of Physiology - Endocrinology and Metabolism</i> . 2022 July; DOI: 10.1152/ajpendo.00052.2022
Biological Sciences	Alexis Pasulka	Methodological 'lenses' influence the characterization of phytoplankton dynamics in a coastal upwelling ecosystem. <i>Environmental Microbiology Reports</i> . 1-10. doi: 10.1111/1758-2229.13116
Biological Sciences	Alexis Pasulka	Analysis of the San Luis Obispo Bay Microbiome from a Network Perspective. (eds) <i>Complex Networks & Their Applications X. COMPLEX NETWORKS 2021. Studies in Computational Intelligence</i> , vol 1016. Springer, Cham. doi: 10.1007/978-3-030-93413-2_55
Biological Sciences; Chemistry and Biochemistry	Nathaniel Martinez, Andres Martinez	"Evaluation of commercially-available conductive filaments for 3D printing flexible circuits on paper," <i>PeerJ Materials Science</i> , 2022, 4:e21.
Biological Sciences	Michael Jones	Iliocapsularis: An Explanation of the Muscle and its Omission in Education; <i>Journal of Morphology</i> . Vol. 283, 2022. https://doi.org/10.1002/jmor.21468
Biological Sciences	Jean Davidson	"Comparisons of Knowledge Graphs and Entity Extraction in Breast Cancer Subtyping Biomedical Text Analysis" <i>Bioinformatics and Biomedical Engineering</i> , 249. https://doi.org/10.1007/978-3-031-07802-6_21
Biological Sciences	Jean Davidson	"External biological knowledge can aid the development and deployment of well-specified models in breast cancer subtyping." <i>Machine Learning for Computational Biology</i> .
Chemistry and Biochemistry	Scott Eagon	Improved Synthesis of 5-Ethylsulfonyl-2-methoxyaniline. <i>Org. Prep. Proced. Int.</i> , 2022, 54, 435-439. https://doi.org/10.1080/00304948.2022.2072154
Chemistry and Biochemistry	Scott Eagon	Microwave Mediated Synthesis of 2-Aminooxazoles. <i>Tetrahedron Lett.</i> , 2022, 88, 153555. https://doi.org/10.1016/j.tetlet.2021.153555
Chemistry and Biochemistry	Tammy Campbell	(Eds.) (2023). . (Vols. 1-2). SAGE Publications, Inc., https://dx.doi.org/10.4135/9781071872383 (found under List of Entries "Biochemistry, Contemporary") (2023)
Chemistry and Biochemistry	Andres Martinez, David Zigler, Chad Immoos, Gregory Scott	At-Home Microscale Paper-Based Quantitative Analysis Activity with External Standards. <i>Journal of Chemical Education</i> 2022, 99 (2), 1081-1086. https://doi.org/10.1021/acs.jchemed.1c01042 .

Chemistry and Biochemistry	Philip Costanzo, Michael Heying	"Exploring polymer solubility with thermally-responsive Diels-Alder monomers: Revisiting the monkey's fist."; Sci. 2022, 60(2), 175-187.; DOI: 10.1002/pol.20210634
Chemistry and Biochemistry	Philip Costanzo	"Trials and adventures of the synthesis and evaluation of amphiphilic graft copolymers with dynamic topology."; Sci. 2022. 60 (22), 3117.; DOI: 10.1002/pol.20220247
Chemistry and Biochemistry	Ashley Ringer McDonald	"The Impacts of the Molecular Education and Research Consortium in Undergraduate Computational Chemistry on the Careers of Women in Computational Chemistry" Journal of Chemical Information and Modeling, 2022. doi: https://doi.org/10.1021/acs.jcim.2c00566
Chemistry and Biochemistry	Ashley Ringer McDonald	"MolSSI Education: Empowering the Next Generation of Computational Molecular Scientists" Computing in Science and Engineering, 24(3), 72-76 (2022). doi: https://doi.org/10.1109/mcse.2022.3165607
Chemistry and Biochemistry	Ashley Ringer McDonald	"Undergraduate Structural Biology Education: A Shift From Users to Developers of Computation and Simulation Tools" Current Opinion in Structural Biology, 72, 39-45
Chemistry and Biochemistry	Leslie Hamachi	Size Dependent Optical Properties and Structure of ZnS Nanocrystals Prepared from a Library of Thioureas; Chemistry of Materials, 2022, 34, 706-717; DOI: https://doi.org/10.1021/acs.chemmater.1c03432
Chemistry and Biochemistry	Leslie Hamachi	Defining the Macromolecules of Tomorrow Through Synergistic Sustainable Polymer Research; Chemical Reviews, 2022, 122, 6322-6373.; DOI: https://doi.org/10.1021/acs.chemrev.1c00173
Chemistry and Biochemistry	Leslie Hamachi	Characterization Techniques to Assess Recyclability in Dynamic Polymer Networks; Frontiers in Materials, 2022, 9, 915296.; DOI: https://doi.org/10.3389/fmats.2022.915296
Chemistry and Biochemistry	Leslie Hamachi	Single-Crystalline Imine-Linked Two-Dimensional Covalent Organic Frameworks Separate Benzene and Cyclohexane Efficiently; Journal of the American Chemical Society, 2022, 144, 19813-19824.; DOI: https://doi.org/10.1021/jacs.2c07166
Chemistry and Biochemistry	Emily Bockmon	Accurate spectrophotometric pH measurements made directly in the sample bottle using an aggregated dye perturbation approach. Limnology & Oceanography: Methods. doi:10.1002/lom3.10486
Chemistry and Biochemistry	Daniel A. Bercovici, Philip J. Costanzo	"Ylidenenorbornadiene carboxylates: Experimental Kinetic Analysis of a Nucleophile-Induced Fragmentation Reaction." 2022, 24(15), 2793-2797. https://doi.org/10.1021/acs.orglett.2c00630
Chemistry and Biochemistry	Eric Jones, Emily Fogle	
Chemistry and Biochemistry	Shanju Zhang, Ajay Kathuria	Sustainable and Repulpable Barrier Coatings for Fiber-Based Materials for Food Packaging: A Review. Frontiers in Materials, 2022, vol. 9, id. 929501. DOI: 10.3389/fmats.2022.929501
Chemistry and Biochemistry	Shanju Zhang, Gregory Scott	Photonic liquid crystals of graphene oxide for fast membrane nanofiltration. Carbon Trend, 2022, vol 7, 100150. DOI: 10.1016/j.cartre.2022.100150
Chemistry and Biochemistry	Shanju Zhang	Self-assembly of supramolecular complexes of charged conjugated polymers and imidazolium-based ionic liquid crystals. Giant, 2022, Vol 9, 100088. DOI: 10.1016/j.giant.2021.100088
Chemistry and Biochemistry; Biological Sciences	Seth Bush, Ed Himelblau	A Course-Based Teaching Experience for STEM Undergraduates Improves Student Perceptions of Teaching Self-Efficacy and Attitudes Toward Teaching Careers; https://doi.org/10.1187/cbe.21-04-0105
Chemistry and Biochemistry; Biological Sciences	Andres Martinez, Nathaniel Martinez	"Beyond Wax Printing: Fabrication of Paper-Based Microfluidic Devices Using a Thermal Transfer Printer," Analytical Chemistry, 2022, 94, 25, 8833-8837
Kinesiology and Public Health	Adrienne Lent	Racial/Ethnic Disparities in Health and Life Insurance Denial Due to Cancer among Cancer Survivors. International journal of environmental research and public health, 19(4), 2166. https://doi.org/10.3390/ijerph19042166
Kinesiology and Public Health	Jafra Thomas	Improving communication in kinesiology through a practicum course. International Journal of Kinesiology in Higher Education. Advance online publication. https://doi.org/10.1080/24711616.2022.2141156
Kinesiology and Public Health	Jafra Thomas	Suitability: A longitudinal study of adult-focused physical activity promotion web articles. Journal of Kinesiology and Wellness, 11(1), 94-106. https://doi.org/10.56980/jkw.v11i.114
Kinesiology and Public Health	Jafra Thomas	Equity in communication: A policy template for promoting organizational health literacy. JPHMP Direct: The Companion Site of the Journal of Public Health Management and Practice. https://jphmpdirect.com/?p=31470&preview=1&ppp=1f310c9e9b
Kinesiology and Public Health	Jafra Thomas	The ever-evolving nature of health literacy in organizations: A commentary on the 2021 JPHMP article, "Updating Health Literacy for Healthy People 2030." Journal of Public Health Practice and Management, 28(6), E804-E807. https://doi.org/10.1097/PHH.0000000000001589

Kinesiology and Public Health	Jafra Thomas	Recommendations for effective coaching practices: A case study using the Multidimensional Model of Leadership as a guiding framework. <i>Journal of Anthropology of Sport and Physical Education</i> , 6(2), 27-31. http://www.jaspe.ac.me/?sekcija=article&artid=200
Kinesiology and Public Health	Jafra Thomas	Poetic meaning and perspectives on sport: Introducing kinesiology undergraduates to mysticism. <i>International Journal of Undergraduate Research and Creative Activities</i> , 14. Article 1. http://doi.org/10.7710/2168-0620.0349
Kinesiology and Public Health	Jafra Thomas	Evaluating research survey websites in kinesiology: A case study using an accessibility rating form [Abstract]. <i>Proceedings of the 2022 Conference of the Southwest Regional Chapter of the American College of Sports Medicine. International Journal of Exercise Science: Conference Proceedings</i> , 14(2). Article 184. https://digitalcommons.wku.edu/ijesab/vol14/iss2/184/
Kinesiology and Public Health	Jafra Thomas	Understanding and communicating physical activity guidelines: Creating a training video for health care providers [Abstract]. <i>Medicine & Science in Sports & Exercise</i> , 54(9S), 318-319. https://journals.lww.com/acsm-msse/Fulltext/2022/09002/Understanding_And_Communicating_Physical_Activity.989.aspx
Kinesiology and Public Health	Jafra Thomas	Online physical activity advice for older adults during COVID-19: Results of a pilot study [Abstract]. <i>Medicine & Science in Sports & Exercise</i> , 54(9S), 256. https://journals.lww.com/acsm-msse/Fulltext/2022/09002/Online_Physical_Activity_Advice_For_Older_Adults.792.aspx
Kinesiology and Public Health	Alison Ventura	Infant Age Moderates Associations between Infant Temperament and Maternal Technology Use during Infant Feeding and Care. <i>Int J Environ Res Public Health</i> . 2022 Oct 7;19(19):12858. doi: 10.3390/ijerph191912858. PMID: 36232158; PMCID: PMC9565936.
Kinesiology and Public Health	Alison Ventura	WIC Participants' Perceptions of COVID-19-Related Changes to WIC Recertification and Service Delivery. <i>J Community Health</i> . 2022 Apr;47(2):184-192. doi: 10.1007/s10900-021-01026-8. Epub 2021 Sep 23. PMID: 34557992; PMCID: PMC8459821.
Kinesiology and Public Health	Alison Ventura	Strategies to promote responsive bottle-feeding in WIC predict less frequent use of food to soothe and healthier weight status for infants with negative temperaments. <i>Pediatr Obes</i> . 2022 Aug;17(8):e12908. doi: 10.1111/ijpo.12908. Epub 2022 Feb 27. PMID: 35224881.
Kinesiology and Public Health	Alison Ventura, K. Silva Garcia	Promoting Responsive Bottle-Feeding Within WIC: Evaluation of a Policy, Systems, and Environmental Change Approach. <i>J Acad Nutr Diet</i> . 2022 Jan;122(1):99-109.e2. doi: 10.1016/j.jand.2021.05.003. Epub 2021 Jun 3. PMID: 34090838.
Kinesiology and Public Health	M. Tseng, K. Munoz-Christian, S. Phelan	Mi Gente, Nuestra Salud: Protocol for a People's Movement for Health Ownership. <i>Progress in Community Health Partnerships</i> . (Forthcoming.) 30 December 2022.
Kinesiology and Public Health	Marilyn Tseng, Aydin Nazmi, Ricky Volpe	SNAP Participation Decreases Food Insecurity among California Public University Students: A quasi-experimental Study. <i>Journal of Hunger & Environmental Nutrition</i> . 2023 Jan 2;18(1):123-38.
Kinesiology and Public Health	Marilyn Tseng, Ricky Volpe, Xiaowei Cai	Changes in the local food-at-home environment, supplemental nutrition assistance program participation, and dietary quality: Evidence from FoodAPS. <i>Journal of the Agricultural and Applied Economics Association</i> . 2022 Aug;1(2):151-64.
Kinesiology and Public Health	Marilyn Tseng, Samir Amin, Aydin Nazmi	Sensory-related industrial additives in the US packaged food supply. <i>Frontiers in nutrition</i> . 2022 Jan 13;8:762814.
Kinesiology and Public Health	S. Phelan	Factors associated with food choice among long-term weight loss maintainers. <i>J Hum Nutr Diet</i> . 2022 Oct;35(5):924-933. doi: 10.1111/jhn.12977. Epub 2021 Dec 30. PMID: 34970802; PMCID: PMC9544241.
Kinesiology and Public Health	Sarah Keadle	Rethinking physical activity assessment in cancer survivors: a multi-component approach using NHANES data. <i>J Cancer Surviv</i> . 2022 Aug;16(4):781-790. doi: 10.1007/s11764-021-01072-0. Epub 2021 Jun 10. PMID: 34110584; PMCID: PMC8660919.
Kinesiology and Public Health	Sarah Keadle	Resting Oxygen Uptake Value of 1 Metabolic Equivalent of Task in Older Adults: A Systematic Review and Descriptive Analysis. <i>Sports Med</i> . 2022 Feb;52(2):331-348. doi: 10.1007/s40279-021-01539-1. Epub 2021 Aug 21. PMID: 34417980.
Kinesiology and Public Health	Sarah Keadle	Physical Activity Levels (PAL) in United States Adults - 2019. <i>Med Sci Sports Exerc</i> . 2022 Dec 14. doi: 10.1249/MSS.0000000000003102. Epub ahead of print. PMID: 36729673.
Kinesiology and Public Health	Sarah Keadle	Changes in physical activity and sedentary time in United States adults in response to COVID-19. <i>PLoS One</i> . 2022 Sep 9;17(9):e0273919. doi: 10.1371/journal.pone.0273919. PMID: 36084056; PMCID: PMC9462823.
Kinesiology and Public Health	Sarah Keadle	Physical Activity and Total Daily Energy Expenditure in Older US Adults: Constrained versus Additive Models. <i>Med Sci Sports Exerc</i> . 2022 Jan 1;54(1):98-105. doi: 10.1249/MSS.0000000000002759. PMID: 34334719; PMCID: PMC8678174.
Kinesiology and Public Health	Suzanne Phelan	Recovery from weight regain among long-term weight loss maintainers in WW. <i>Obesity (Silver Spring)</i> . 2022 Dec;30(12):2404-2413. doi: 10.1002/oby.23573. Epub 2022 Oct 25. PMID: 36281635; PMCID: PMC9691556.
Kinesiology and Public Health	Suzanne Phelan	In their own words: Topic analysis of the motivations and strategies of over 6,000 long-term weight-loss maintainers. <i>Obesity (Silver Spring)</i> . 2022 Mar;30(3):751-761. doi: 10.1002/oby.23372. Epub 2022 Feb 9. PMID: 35137557; PMCID: PMC9305441.
Kinesiology and Public Health	Suzanne Phelan, Alison Venura	Associations between parenting stress, parent feeding practices, and perceptions of child eating behaviors during the COVID-19 pandemic. <i>Appetite</i> . 2022 Oct 1;177:106148. doi: 10.1016/j.appet.2022.106148. Epub 2022 Jun 30. PMID: 35779642; PMCID: PMC9242703.
Kinesiology and Public Health	Suzanne Phelan, Alison Venura, Peggy Papathakis	Associations between mothers' use of food to soothe, feeding mode, and infant weight during early infancy. <i>Appetite</i> . 2022 Jan 1;168:105736. doi: 10.1016/j.appet.2021.105736. Epub 2021 Oct 7. PMID: 34627981; PMCID: PMC8671361.

Kinesiology and Public Health	Suzanne Phelan, Michael La Frano, K. Pilolla	Identification of potential biomarkers and metabolic insights for gestational diabetes prevention: A review of evidence contrasting gestational diabetes versus weight loss studies that may direct future nutritional metabolomics studies. <i>Nutrition</i> . 2023 Mar;107:111898. doi: 10.1016/j.nut.2022.111898. Epub 2022 Nov 2. PMID: 36525799.
Kinesiology and Public Health	Suzanne Phelan, Michael La Frano, K. Pilolla	Predictive Gestational Diabetes Biomarkers With Sustained Alterations Throughout Pregnancy. <i>J Endocr Soc</i> . 2022 Sep 3;6(12):bvac134. doi: 10.1210/jendso/bvac134. PMID: 36320628; PMCID: PMC9597476.
Kinesiology and Public Health	Todd Hagobian, Adam Seal, S. Phelan, A. Schaffner, M. Tseng, S. Keadle, J. Alber	COVID-19 pandemic and stay-at-home mandates promote weight gain in US adults. <i>Obesity (Silver Spring)</i> . 2022 Jan;30(1):240-248. doi: 10.1002/oby.23293. Epub 2021 Nov 21. PMID: 34467670; PMCID: PMC8662140.
Kinesiology and Public Health	Julia Alber, David Askay, Hunter Glanz	Ecological model analysis of COVID-19 social media posts. <i>Journal of Consumer Health on the Internet</i> , 3(26), 248-258.
Kinesiology and Public Health	Julia Alber	Comparing lengths and inclusion of information in storytelling videos: Implications for hepatitis B education. <i>PEC Innovation</i> . Advanced online publication. doi: https://doi.org/10.1016/j.pecinn.2022.100049
Kinesiology and Public Health	Joni Roberts	The Effect of Perceived Weight Gain on Hormonal Contraception Choice for Women: A Review . <i>McGill Journal of Medicine</i> , 20(2). https://doi.org/10.26443/mjm.v20i2.886
Kinesiology and Public Health	Joni Roberts	"I don't want to get fat, and I don't like working out so...." Perceptions of contraception among Southern HBCU students Manuscript in press: American College of Health
Kinesiology and Public Health	Joni Roberts	Healthcare: A Global Perspective. In T.A. Clobes (Ed.), <i>Introduction to the United State Healthcare System Affordable Learning Solutions & California Alliance for Open Education</i> . http://hdl.handle.net/20.500.12680/nk322m064
Liberal Studies	Jasmine Nation	Transformative science learning framework: Translating an equity commitment into action through co-design. <i>Journal of Science Teacher Education</i> .
Mathematics	Joyce Lin	Ephaptic Coupling Is a Mechanism of Conduction Reserve During Reduced Gap Junction Coupling. <i>Front Physiol</i> . 2022 May 5;13:848019. doi: 10.3389/fphys.2022.848019. PMID: 35600295; PMCID: PMC9117633.
Mathematics	Jeffrey Liese	Let's Get Rolling! Exact Optimal Solitaire Yahtzee; <i>Mathematics Magazine</i> , 95:3, 205-219, DOI: 10.1080/0025570X.2022.2055334
Physics	Themis Mastoridis	"Super Proton Synchrotron 200 MHz Cavity Regulation Upgrade: Modeling, Design Optimization, and Performance Estimation", <i>Phys. Rev. Accel. Beams</i> 25, 021002 (2022). https://doi.org/10.1103/PhysRevAccelBeams.25.021002
Physics	Vardha N. Bennert	The Close AGN Reference Survey (CARS). Tracing the circumnuclear star formation in the super-Eddington NLS1 Mrk 1044; 2022, <i>Astronomy & Astrophysics</i> , 663, 104; DOI: 10.1051/0004-6361/202243697
Physics	Vardha N. Bennert	The Lick AGN Monitoring Project 2016: Dynamical Modeling of Velocity-resolved Hbeta Lags in Luminous Seyfert Galaxies; 2022, <i>The Astrophysical Journal</i> , 930, 52; DOI: 10.3847/1538-4357/ac6171
Physics	Vardha N. Bennert	The Lick AGN Monitoring Project 2016: Velocity-resolved Hbeta Lags in Luminous Seyfert Galaxies U, 2022, <i>The Astrophysical Journal</i> , 925, 52; DOI: 10.3847/1538-4357/ac3d26
Physics	Vardha N. Bennert	The Close AGN Reference Survey (CARS). IFU survey data and the BH mass dependence of long-term AGN variability; 2022, <i>Astronomy & Astrophysics</i> , 659, 124; DOI: 10.1051/0004-6361/202141312
Physics	Pete Schwartz	Pedagogy Changes Can Improve Concept Application, <i>The Physics Teacher</i> , accepted July, 2021, anticipated publication, Sept, 2022, Free .pdf
Physics	Katharina Gillen	One-dimensional arrays of optical dark spot traps from nested Gaussian laser beams for quantum computing. <i>Appl. Phys. B</i> 128, 90 (2022). https://doi.org/10.1007/s00340-022-07808-9
Physics	Matt Beekman	"Thermal and mechanical properties of the clathrate-II Na ₂₄ Si ₁₃₆ ," <i>Phys. Rev. B</i> 105, 214114 (2022); https://doi.org/10.1103/PhysRevB.105.214114
Physics	Matt Beekman	"Teaching basic crystallography and diffraction using open access structure visualization software," <i>MRS Advances</i> , doi.org/10.1557/s43580-022-00238-x (2022).
Physics; Biological Sciences	Ryan Walter, Ben Ruttenberg, Crow White	Scenarios for offshore wind power production for central California call areas, <i>Wind Energy</i> , 25(1): 23-33, https://doi.org/10.1002/we.2646 .
Physics; Biological Sciences	Ryan Walter, Ben Ruttenberg, Crow White	Spatial and temporal characteristics of California commercial fisheries from 2005 to 2019, <i>Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science</i> , 14: e10215, https://doi.org/10.1002/mcf2.10215 .
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