

FACULTY and STUDENT PUBLICATIONS

As indexed by “Web of Science”

Time frame:
01/01/2020 – 03/31/2020

Web of Science® covers over 12,000 top tier international and regional journals in every area of the natural sciences, social sciences, and arts and humanities.

If your publication is NOT indexed by Web of Science, please send a citation to Liz Montalvo, eamont@wm.edu, before 06/30/2020 and we will list your publication in the next quarterly report.

Bibliography

- Abbott, B. P., R. Abbott, T. D. Abbott, S. Abraham, F. Acernese, K. Ackley, C. Adams, et al. 2020. "A Guide to LIGO-Virgo Detector Noise and Extraction of Transient Gravitational-Wave Signals." *Classical and Quantum Gravity* 37 (5): 055002.
- Ablondi, Eileen F., Sudip Paudel, Morgan Sehdev, John P. Marken, Andrew D. Halleran, Atiqur Rahman, Peter Kemper, and Margaret S. Saha. 2020. "Fluorescent Calcium Imaging and Subsequent in Situ Hybridization for Neuronal Precursor Characterization in *Xenopus Laevis*." *Jove-Journal of Visualized Experiments* (156): e60726.
- Ackerman, Joshua T., Mark P. Herzog, David C. Evers, Daniel A. Cristol, Kevin P. Kenow, Gary H. Heinz, Raphael A. Lavoie, et al. 2020. "Synthesis of Maternal Transfer of Mercury in Birds: Implications for Altered Toxicity Risk." *Environmental Science & Technology* 54 (5): 2878-2891.
- Allen, Jody L. 2020. "How do Academic Institutions Evaluate their History? Campus Case Studies I: William & Mary." *Theology Today* 76 (4): 293-297.
- Almeida, Tereza, Pedro J. Esteves, Martin F. Flajnik, Yuko Ohta, and Ana Verissimo. 2020. "An Ancient, MHC-Linked, Nonclassical Class I Lineage in Cartilaginous Fish." *Journal of Immunology* 204 (4): 892-902.
- Alpay, Daniel, Vladimir Bolotnikov, and David Shoikhet. 2020. "Pseudo-Contraactions, Rigidity, Fixed Points and Related Questions." *Analysis and Mathematical Physics* 10 (1): 7.
- Anderson, Jackson T., David M. Harrison, Kimberly F. Luchtenberg, and Michael J. Seiler. 2020. "Legal Versus Psychological Contracts: When does a Mortgage Default Settlement Contract Become a Contract?" *Journal of Real Estate Finance and Economics*.
- Basilev, S. N., Yu P. Bushuev, O. P. Gavrishchuk, V. V. Glagolev, D. A. Kirillov, N. V. Kostayeva, A. D. Kovalenko, et al. 2020. "Measurement of Neutron and Proton Analyzing Powers on C, CH, CH₂ and Cu Targets in the Momentum Region 3-4.2 GeV/c." *European Physical Journal a* 56 (1): 26.
- Beckensteiner, Jennifer, David M. Kaplan, and Andrew M. Scheld. 2020. "Barriers to Eastern Oyster Aquaculture Expansion in Virginia." *Frontiers in Marine Science* 7: 53.
- Bemis, Katherine E. and Eric J. Hilton. 2020. "Tunas and Billfishes of the World." *Environmental Biology of Fishes* 103 (2): 209-211.
- Benali, M., C. Desnault, M. Mazouz, Z. Ahmed, H. Albataineh, K. Allada, K. A. Aniol, et al. 2020. "Deeply Virtual Compton Scattering Off the Neutron." *Nature Physics* 16 (2): 191-+.
- BenYishay, Ariel, Maria Jones, Florence Kondylis, and Ahmed Mushfiq Mobarak. 2020. "Gender Gaps in Technology Diffusion." *Journal of Development Economics* 143: UNSP 102380.
- Bergan, W., M. J. Forster, V. Khachatryan, N. Rider, D. L. Rubin, B. Vlahovic, and B. Wojtsekhowski. 2020. "Limit on the Anisotropy of the One-Way Maximum Attainable Speed of the Electron." *Physical Review D* 101 (3): 032004.
- Bernhard, Michael, Venelin I. Ganey, Anna Grzymala-Busse, Stephen E. Hanson, Yoshiko M. Herrera, Dmitrii Kofanov, and Anton Shirikov. 2020. "Weasel Words and the Analysis of "Postcommunist" Politics: A Symposium." *East European Politics and Societies*: UNSP 0888325419900244.
- Blouet, Brian. 2020. "From the Pivot to the Heartland: Halford Mackinder and World War I*." *Geographical Review*.
- Borsetti, Sarah, Daphne Munroe, David Rudders, and Jui-Han Chang. 2020. "Timing of the Reproductive Cycle of Waved Whelk, *Buccinum Undatum*, on the US Mid-Atlantic Bight." *Helgoland Marine Research* 74 (1): 5.
- Canivez, Gary L., Ryan J. McGill, Stefan C. Dombrowski, Marley W. Watkins, Alison E. Pritchard, and Lisa A. Jacobson. 2020. "Construct Validity of the WISC-V in Clinical Cases: Exploratory and Confirmatory Factor Analyses of the 10 Primary Subtests." *Assessment* 27 (2): 274-296.
- Carlson, Taylor N., Charles T. McClean, and Jaime E. Settle. 2020. "Follow Your Heart: Could Psychophysiology be Associated with Political Discussion Network Homogeneity?" *Political Psychology* 41 (1): 165-187.
- Carneiro, M. F., D. Ruterbories, Z. Ahmad Dar, F. Akbar, D. A. Andrade, M. Ascencio V., W. Badgett, et al. 2020. "High-Statistics Measurement of Neutrino Quasielasticlike Scattering at 6 GeV on a Hydrocarbon Target." *Physical Review Letters* 124 (12): 121801.
- Carone, Christopher D. 2020. "Composite Gravitons from Metric-Independent Quantum Field Theories." *Modern Physics Letters a* 35 (4): 2030002.
- Castaneda-Moya, Edward, Victor H. Rivera-Monroy, Randolph M. Chambers, Xiaochen Zhao, Lukas Lamb-Wotton, Adrianna Gorsky, Evelyn E. Gaiser, Tiffany G. Troxler, John S. Kominoski, and Matthew Hiatt. 2020. "Hurricanes Fertilize Mangrove Forests in the Gulf of Mexico (Florida Everglades, USA)." *Proceedings of the National Academy of Sciences of the United States of America* 117 (9): 4831-4841.
- Cetuk, Hannah, Joseph Maramba, Madolyn Britt, Robert K. Ernst, Ella Mihailescu, Myriam Cotten, and Sergei I. Sukharev. 2020. "Piscidins at Membrane Interfaces: Phospholipids Versus LPS." *Biophysical Journal* 118 (3): 238A-238A.

- Chen, Jing, Tsan-Ming Choi, Yu Amy Xia, and Xiaohang Yue. 2020. "Preface: Advances of Real-Case Based Operations Research." *Annals of Operations Research*.
- Chen, Shanshan and Junping Shi. 2020. "Global Dynamics of the Diffusive Lotka-Volterra Competition Model with Stage Structure." *Calculus of Variations and Partial Differential Equations* 59 (1): 33.
- Chien, Mao-Ting, Chi-Kwong Li, and Hiroshi Nakazato. 2020. "The Diameter and Width of Higher Rank Numerical Ranges." *Linear & Multilinear Algebra*.
- Colonna, Flavia and Nacir Hmidouch. 2020. "Weighted Composition Operators between Weighted-Type Spaces and the Bloch Space and BMOA." *Advances in Operator Theory* 5 (1): 94-114.
- Comert, Fatih, Frank Heinrich, Alexander Greenwood, Vitalii I. Silin, Myriam Cotten, and Ella Mihailescu. 2020. "Increased Potency of Antimicrobial Piscidins in the Presence of Copper (II) Correlates Directly with Insertion Depth and Orientation in Membranes." *Biophysical Journal* 118 (3): 238A-238A.
- Conway, Christopher C., Robert D. Latzman, and Robert F. Krueger. 2020. "A Meta-Structural Model of Common Clinical Disorder and Personality Disorder Symptoms." *Journal of Personality Disorders* 34 (1): 88-106.
- Cotten, Myriam, Steven Paredes, Sarah Kim, Alexander Greenwood, Yawei Xiong, Kalina Hristova, and David Giles. 2020. "Effects of Polyunsaturated Fatty Acids and Metallation on the Antimicrobial Activity and Membrane-Disruptive Properties of Host-Defense Metallopeptide PISCIDIN 1." *Biophysical Journal* 118 (3): 237A-238A.
- Cronin, Michael P. 2020. "PRODUCING HIROSHIMA AND NAGASAKI: Literature, Film, and Transnational Politics." *Pacific Affairs* 93 (1): 189-191.
- Cross, Tracy L. and Jennifer Riedl Cross. 2020. "An Ecological Model of Suicidal Behavior among Students with Gifts and Talents." *High Ability Studies*.
- Cross, Tracy L., Jennifer Riedl Cross, Nataliya Dudnytska, Mihyeon Kim, and Colin T. Vaughn. 2020. "A Psychological Autopsy of an Intellectually Gifted Student with Attention Deficit Disorder." *Roeper Review-a Journal on Gifted Education* 42 (1): 6-24.
- Daly, Michael R. and Jennifer M. Mellor. 2020. "Racial and Ethnic Differences in Medicaid Acceptance by Primary Care Physicians: A Geospatial Analysis." *Medical Care Research and Review* 77 (1): 85-95.
- Dao Nguyen Khoi, Thanh Duc Dang, Lien T. H. Pham, Pham Thi Loi, Nguyen Thi Diem Thuy, Nguyen Ky Phung, and Nguyen Thi Bay. 2020. "Morphological Change Assessment from Intertidal to River-Dominated Zones using Multiple-Satellite Imagery: A Case Study of the Vietnamese Mekong Delta." *Regional Studies in Marine Science* 34: 101087.
- Das, Lopamudra, John C. Poutsma, and Michael J. Kelley. 2020. "Effect of 172-Nm UV Irradiation on Polyimide and its Application in Surface Modification by Grafting." *High Performance Polymers*: UNSP 0954008319897315.
- Davies, Christine T. H., Judd Harrison, G. Peter Lepage, Christopher J. Monahan, Junko Shigemitsu, Matthew Wingate, and HPQCD Collaboration. 2020. "Lattice QCD Matrix Elements for the B-s(0) - (B)Over-Bar(s)(0) Width Difference Beyond Leading Order." *Physical Review Letters* 124 (8): 082001.
- Du, Jiabi, Kyeong Park, Xin Yu, Yinglong J. Zhang, and Fei Ye. 2020. "Massive Pollutants Released to Galveston Bay during Hurricane Harvey: Understanding their Retention and Pathway using Lagrangian Numerical Simulations." *Science of the Total Environment* 704: 135364.
- Estill, Cheryl Fairfield, Jonathan Slone, Alexander Mayer, I. -Chen Chen, and Mark J. La Guardia. 2020. "Worker Exposure to Flame Retardants in Manufacturing, Construction and Service Industries." *Environment International* 135: UNSP 105349.
- Fink, Dietmar and Sudip Sen. 2020. "50 Years of Radiation Effects and Defects in Solids." *Radiation Effects and Defects in Solids* 175 (1-2): 1-2.
- Fisher, Andrew H. 2020. "'Defenders and Dissidents: Cooks Landing and the Fight to Define Tribal Sovereignty in the Red Power Era'." *Comparative American Studies*.
- . 2020. "The Heartbeat of Wounded Knee: Native America from 1890 to the Present." *Reviews in American History* 48 (1): 63-69.
- . 2020. "Our History is the Future: Standing Rock Versus the Dakota Access Pipeline, and the Long Tradition of Indigenous Resistance." *Reviews in American History* 48 (1): 63-69.
- Fisher, Louis. 2020. "The Politics of War Powers: The Theory and History of Presidential Unilateralism." *Presidential Studies Quarterly*.
- . 2020. "Protecting Individual Rights: A Broad Public Dialogue." *Journal of Supreme Court History* 45 (1): 66-84.
- Fleeger, J. W., D. S. Johnson, S. Zengel, I. A. Mendelssohn, D. R. Deis, S. A. Graham, Q. Lin, M. C. Christman, M. R. Riggio, and M. Pant. 2020. "Macroinfauna Responses and Recovery Trajectories After an Oil Spill Differ from those Following Saltmarsh Restoration." *Marine Environmental Research* 155: UNSP 104881.
- Foreman, W., R. Acciarri, J. A. Asaadi, W. Badgett, F. D. M. Blaszczyk, R. Bouabid, C. Bromberg, et al. 2020. "Calorimetry for Low-Energy Electrons using Charge and Light in Liquid Argon." *Physical Review D* 101 (1):

012010.

- Ge, Fan and Ade Irma Suriajaya. 2020. "Note on the Number of Zeros of Zeta((k))(s)." *Ramanujan Journal*.
- Goldstein, M., Y. M. Huang, W. Scales, and S. Sen. 2020. "Teaching and Research of plasma/fluid Mechanics to Undergraduate Students at a US University." *Radiation Effects and Defects in Solids* 175 (1-2): 3-6.
- Gross, Franz. 2020. "Covariant Spectator Theory of n p Scattering: Deuteron Form Factors." *Physical Review C* 101 (2): 024001.
- Harlev, Amit, Charles R. Johnson, and Derek Lim. 2020. "The Doubly Stochastic Single Eigenvalue Problem: A Computational Approach." *Experimental Mathematics*.
- Harris, Constance M., Kimberly S. Reece, Donald F. Stec, Gail P. Scott, William M. Jones, Patrice L. M. Hobbs, and Thomas M. Harris. 2020. "The Toxin Goniodomin, Produced by Alexandrium Spp., is Identical to Goniodomin A." *Harmful Algae* 92: 101707.
- Harshman, Dale R. and Anthony T. Fiory. 2020. "High-T-C Superconductivity Originating from Interlayer Coulomb Coupling in Gate-Charged Twisted Bilayer Graphene Moire Superlattices." *Journal of Superconductivity and Novel Magnetism* 33 (2): 367-378.
- Harutyunyan, Ani. 2020. "National Identity and Public Goods Provision." *Comparative Economic Studies* 62 (1): 1-33.
- Hasenei, Aaron, David W. Kerstetter, Andriy Z. Horodysky, and Richard W. Brill. 2020. "Physiological Limits to Inshore Invasion of Indo-Pacific Lionfish (Pterois Spp.): Insights from the Functional Characteristics of their Visual System and Hypoxia Tolerance." *Biological Invasions*.
- Haulman, Clyde A. 2020. "The Panic of 1819: The First Great Depression." *Journal of Economic History* 80 (1): 302-304.
- Hendricks, Paige. 2020. "A Meaningful Mess." *Roeper Review-a Journal on Gifted Education* 42 (1): 68-70.
- Henshon, Suzanna E. 2020. "Leading Change in a Diverse World: An Interview with Fred Bonner." *Roeper Review-a Journal on Gifted Education* 42 (1): 3-5.
- Hilton, Eric J. and Jeffrey Carpenter. 2020. "Bony-Tongue Fishes (Teleostei: Osteoglossomorpha) from the Eocene Nanjemoy Formation, Virginia." *Northeastern Naturalist* 27 (1): 25-34.
- Holas, Pawel, Izabela Krejtz, Katarzyna Wisiecka, Marzena Rusanowska, and John B. Nezelek. 2020. "Modification of Attentional Bias to Emotional Faces Following Mindfulness-Based Cognitive Therapy in People with a Current Depression." *Mindfulness*.
- Holmes, Marcus and Nicholas J. Wheeler. 2020. "Social Bonding in Diplomacy." *International Theory* 12 (1): 133-161.
- Huynh, Quang C., Nancie J. Cummings, and John M. Hoenig. 2020. "Comparisons of Mean Length-Based Mortality Estimators and Age-Structured Models for Six Southeastern US Stocks." *ICES Journal of Marine Science* 77 (1): 162-173.
- Ibes, Dorothy C. and Catherine A. Forestell. 2020. "The Role of Campus Greenspace and Meditation on College Students' Mood Disturbance." *Journal of American College Health*.
- Ilisevic, Dijana, Bojan Kuzma, Chi-Kwong Li, and Edward Poon. 2020. "Complexifications of Real Banach Spaces and their Isometries." *Linear Algebra and its Applications* 589: 222-241.
- Johnson, Andrew J., Robert J. Orth, and Kenneth A. Moore. 2020. "The Role of Sexual Reproduction in the Maintenance of Established Zostera Marina Meadows." *Journal of Ecology*.
- Johnson, Charles R., Ana Julio I., and Ricardo L. Soto. 2020. "Nonnegative Realizability with Jordan Structure." *Linear Algebra and its Applications* 587: 302-313.
- Johnson, Charles R. and Pietro Paparella. 2020. "Matricial Proofs of some Classical Results about Critical Point Location." *American Mathematical Monthly* 127 (1): 45-53.
- Jones, Eric E., Maya B. Krause, Caroline R. Watson, and Grayson N. O'Saile. 2020. "Economic and Social Interactions in the Piedmont Village Tradition-Mississippian Boundarylands of Southeastern North America, AD 1200-1600." *American Antiquity* 85 (1): 72-92.
- Kelley, Mackenzie, Nastaran Abdol, Parviz Soroushian, Kristina Keating, Anagi M. Balachandra, and Tyler Meldrum. 2020. "Monitoring Real-Time Curing of Epoxies in Situ using Single-Sided NMR." *Journal of Polymer Science* 58 (4): 616-623.
- Kelly, J. M., M. Brodeur, B. Liu, Q. Campagna, C. Gonzales, and J. Maier. 2020. "First Off-Line Tests and Performance of the Notre Dame Multi-Reflection Time-of-Flight Mass Spectrometer." *Nuclear Instruments & Methods in Physics Research Section B-Beam Interactions with Materials and Atoms* 463: 485-487.
- Kula, Abigail A. R., Melissa H. Hey, John J. Couture, Philip A. Townsend, and Harmony J. Dalglish. 2020. "Intraspecific Competition Reduces Plant Size and Quality and Damage Severity Increases Defense Responses in the Herbaceous Perennial, Asclepias Syriaca." *Plant Ecology*.

- Lau, Pan-Shun, Chi-Kwong Li, Yiu-Tung Poon, and Nung-Sing Sze. 2020. "Joint Matricial Range and Joint Congruence Matricial Range of Operators." *Advances in Operator Theory*.
- Lefew, Michael, Anh Ninh, and Vladimir Anisimov. 2020. "End-to-End Drug Supply Management in Multicenter Trials." *Methodology and Computing in Applied Probability*.
- Li, Chi-Kwong, Seth Lyles, and Yiu-Tung Poon. 2020. "Error Correction Schemes for Fully Correlated Quantum Channels Protecting both Quantum and Classical Information." *Quantum Information Processing* 19 (5): 153.
- Li, Xiangwen, Yuxue Yin, and Gexin Yu. 2020. "Every Planar Graph without 5-Cycles and K-4(-) and Adjacent 4-Cycles is (2,0,0)-Colorable." *Discrete Mathematics* 343 (2): UNSP 111661.
- Liang, Yujia, Benjamin James Allardyce, Sanjeeb Kalita, Mohammad Gias Uddin, Sajjad Shafei, Dinidu Perera, Rechana Chandra Nair Remadevi, et al. 2020. "Protein Paper from Exfoliated Eri Silk Nanofibers." *Biomacromolecules* 21 (3): 1303-1314.
- Liu, Wenwen, Xincong Chen, Donald R. Strong, Steven C. Pennings, Matthew L. Kirwan, Xiaolin Chen, and Yihui Zhang. 2020. "Climate and Geographic Adaptation Drive Latitudinal Clines in Biomass of a Widespread Saltmarsh Plant in its Native and Introduced Ranges." *Limnology and Oceanography*.
- Liu, Zhuo, Harry Wang, Y. Joseph Zhang, Linus Magnusson, J. Derek Loftis, and David Forrest. 2020. "Cross-Scale Modeling of Storm Surge, Tide, and Inundation in Mid-Atlantic Bight and New York City during Hurricane Sandy, 2012." *Estuarine Coastal and Shelf Science* 233: 106544.
- Liyanage, A., W. Armstrong, H. Kang, J. Maxwell, J. Mulholland, L. Ndikum, A. Ahmidouch, et al. 2020. "Proton Form Factor Ratio $\mu(p)G(E)(p)/G(M)(p)$ from Double Spin Asymmetry." *Physical Review C* 101 (3): 035206.
- Lott, John R., Jr. and Carlisle E. Moody. 2020. "Brought into the Open: How the US Compares to Other Countries in the Rate of Public Mass Shooters." *Econ Journal Watch* 17 (1): 28-39.
- Markov, N., K. Joo, V. D. Burkert, V. I. Mokeev, L. C. Smith, M. Ungaro, S. Adhikari, et al. 2020. "Exclusive $\pi(0)p$ Electroproduction Off Protons in the Resonance Region at Photon Virtualities $0.4 \text{ GeV}^2 \leq Q^2 \leq 1 \text{ GeV}^2$." *Physical Review C* 101 (1): 015208.
- McGill, Ryan J. 2020. "An Instrument in Search of a Theory: Structural Validity of the Kaufman Assessment Battery for Children-Second Edition Normative Update at School-Age." *Psychology in the Schools* 57 (2): 247-264.
- McGill, Ryan J., Thomas J. Ward, and Gary L. Canivez. 2020. "Use of Translated and Adapted Versions of the WISC-V: Caveat Emptor." *School Psychology International: UNSP* 0143034320903790.
- Merchand, Marco and Marc Sher. 2020. "Constraints on the Parameter Space in an Inert Doublet Model with Two Active Doublets." *Journal of High Energy Physics* (3): 108.
- Millette, N. C., J. J. Pierson, and E. W. North. 2020. "Water Temperature during Winter may Control Striped Bass Recruitment during Spring by Affecting the Development Time of Copepod Nauplii." *ICES Journal of Marine Science* 77 (1): 300-314.
- Moran, Kevin, Carlos Bernal-Cardenas, Michael Curcio, Richard Bonett, and Denys Poshyvanyk. 2020. "Machine Learning-Based Prototyping of Graphical User Interfaces for Mobile Apps." *IEEE Transactions on Software Engineering* 46 (2): 196-221.
- Moss, Joseph A., Nine L. Henriksson, J. Dean Pakulski, Richard A. Snyder, and Wade H. Jeffrey. 2020. "Oceanic Microplankton do Not Adhere to the Latitudinal Diversity Gradient." *Microbial Ecology* 79 (2): 511-515.
- Nepal, Vaskar and Mary C. Fabrizio. 2020. "Density-Dependence Mediates the Effects of Temperature on Growth of Juvenile Blue Catfish in Nonnative Habitats." *Transactions of the American Fisheries Society* 149 (1): 108-120.
- Ochs, Addison T., Jeffrey D. Shields, Gary W. Rice, and Michael A. Unger. 2020. "Acute and Long-Term Manganese Exposure and Subsequent Accumulation in Relation to Idiopathic Blindness in the American Lobster, *Homarus Americanus*." *Aquatic Toxicology* 219: 105379.
- Osland, Michael J., Richard H. Day, Courtney T. Hall, Laura C. Feher, Anna R. Armitage, Just Cebrian, Kenneth H. Dunton, et al. 2020. "Temperature Thresholds for Black Mangrove (*Avicennia Germinans*) Freeze Damage, Mortality and Recovery in North America: Refining Tipping Points for Range Expansion in a Warming Climate." *Journal of Ecology* 108 (2): 654-665.
- Patsyuk, M., A. Ali, F. Barbosa, J. Bessuille, E. Chudakov, R. Dzhygadlo, C. Fanelli, et al. 2020. "Status of the GlueX DIRC." *Nuclear Instruments & Methods in Physics Research Section A-Accelerators Spectrometers Detectors and Associated Equipment* 952: 161756.
- Pershing, Andrew J. and Karen Stamieszkin. 2020. "The North Atlantic Ecosystem, from Plankton to Whales." *Annual Review of Marine Science, Vol 12* 12: 339-359.
- Phillips, Blake. 2020. "Research Note: Investigating the Viability of Stylometric Analysis to Attribute Authorship of Supreme Court Opinions." *Justice System Journal*.
- Poutsma, John C., Nicholas S. Shuman, Thomas M. Miller, Juergen Troe, and Albert A. Viggiano. 2020. "Toward a Quantitative Analysis of the Temperature Dependence of Electron Attachment to SF6." *Journal of Chemical Physics* 152 (12): 124302.

- Reid, J. Leighton, Nels J. Holmberg, Matthew Albrecht, Sandra Arango-Caro, Olivia Hajek, Q. Nn Long, and James Trager. 2020. "Annual Understory Plant Recovery Dynamics in a Temperate Woodland Mosaic during a Decade of Ecological Restoration." *Natural Areas Journal* 40 (1): 23-34.
- Restrepo, David, Steven E. Naleway, Vinoy Thomas, and Hannes C. Schniepp. 2020. "Advanced Manufacturing for Biomaterials and Biological Materials, Part I." *Jom* 72 (3): 1151-1153.
- Rice, Amy, Mary T. Rooney, Alexander I. Greenwood, Myriam L. Cotten, and Jeff Wereszczynski. 2020. "Lipopolysaccharide Simulations are Sensitive to Phosphate Charge and Ion Parameterization." *Journal of Chemical Theory and Computation* 16 (3): 1806-1815.
- Riofrio, John. 2020. "Falling for Debt: Giannina Braschi, the Latinx Avant-Garde, and Financial Terrorism in the United States of Banana." *Latino Studies* 18 (1): 66-81.
- Romano, Simone, Christopher Vendome, Giuseppe Scanniello, and Denys Poshyvanyk. 2020. "A Multi-Study Investigation into Dead Code." *IEEE Transactions on Software Engineering* 46 (1): 71-99.
- Rossi, Enrico and Christopher Triola. 2020. "Van Der Waals Heterostructures with Spin-Orbit Coupling." *Annalen Der Physik* 532 (2): 1900344.
- Rossiter, Louis F., Wingham Jacqueline Kwong, and Elizabeth Marrett. 2020. "Healthcare Resource use and Cost: The Impact of Adopting an Abuse-Deterrent Formulation of Extended Release Morphine." *Clinicoeconomics and Outcomes Research* 12: 35-44.
- Saavedra, Martin and Tate Twinam. 2020. "A Machine Learning Approach to Improving Occupational Income Scores." *Explorations in Economic History* 75: UNSP 101304.
- Schmidt, A., J. R. Pybus, R. Weiss, E. P. Segarra, A. Hrnjic, A. Denniston, O. Hen, et al. 2020. "Probing the Core of the Strong Nuclear Interaction." *Nature* 578 (7796): 540-+.
- Schoon, Eric W., Alexandra Pock Joesse, and H. Brinton Milward. 2020. "Networks, Power, and the Effects of Legitimacy in Contentious Politics." *Sociological Perspectives*: 0731121419896808.
- Semedo, Miguel and Bongkeun Song. 2020. "From Genes to Nitrogen Removal: Determining the Impacts of Poultry Industry Wastewater on Tidal Creek Denitrification." *Environmental Science & Technology* 54 (1): 146-157.
- Sheehi, Stephen. 2020. "The Right to Maim: Debility, Capacity, Disability." *Journal of Middle East Womens Studies* 16 (1): 72-76.
- Silski-Devlin, Angela M., Jacob P. Petersen, Jonathan Liu, Gwendylan A. Turner, John C. Poutsma, and S. Alex Kandel. 2020. "Hydrogen-Bonded Tetramers of Carbamazepine." *Journal of Physical Chemistry C* 124 (9): 5213-5219.
- Stocker, Benjamin D., Han Wang, Nicholas G. Smith, Sandy P. Harrison, Trevor F. Keenan, David Sandoval, Tyler Davis, and I. Colin Prentice. 2020. "P-Model v1.0: An Optimality -Based Light use Efficiency Model for Simulating Ecosystem Gross Primary Production." *Geoscientific Model Development* 13 (3): 1545-1581.
- Sweeny, Brendan C., David C. McDonald II, John C. Poutsma, Shaun G. Ard, Albert A. Viggiano, and Nicholas S. Shuman. 2020. "Redefining the Mechanism of O-2 Etching of Al-n(-) Superatoms: An Early Barrier Controls Reactivity, Analogous to Surface Oxidation." *Journal of Physical Chemistry Letters* 11 (1): 217-220.
- Talbott, Elizabeth, Jaime L. Zurheide, George Karabatsos, and Skip Kumm. 2020. "Similarity in Teacher Ratings of the Externalizing Behavior of Twins: A Meta-Analysis." *Behavioral Disorders*: UNSP 0198742920902374.
- Trefethen, Stephen and C. Ryan Vinroot. 2020. "A Computational Approach to the Frobenius-Schur Indicators of Finite Exceptional Groups." *International Journal of Algebra and Computation* 30 (1): 141-166.
- Ullinger, Jaime, Lesley Gregoricka, Chaylee Arellano, Quentin Burke, Victoria Calvin, Charles Downey, Rachel Heil, Alyssa Mcgrath, Silvio Ernesto Mirabal Torres, and Jeremy Simmons. 2020. "MNI and Sex Estimation in Two Umm an-Nar Tombs from the UAE." *American Journal of Physical Anthropology* 171: 289-290.
- Vahala, George, Min Soe, and Linda Vahala. 2020. "Qubit Unitary Lattice Algorithm for Spin-2 Bose-Einstein Condensates: II-Vortex Reconnection Simulations and Non-Abelian Vortices." *Radiation Effects and Defects in Solids* 175 (1-2): 113-119.
- Vahala, George, Linda Vahala, and Min Soe. 2020. "Qubit Unitary Lattice Algorithm for Spin-2 Bose-Einstein Condensates. I - Theory and Pade Initial Conditions." *Radiation Effects and Defects in Solids* 175 (1-2): 102-112.
- Valdez, Stephanie R., Y. Stacy Zhang, Tjisse van der Heide, Mathew A. Vanderkluft, Flavia Tarquinio, Robert J. Orth, and Brian R. Silliman. 2020. "Positive Ecological Interactions and the Success of Seagrass Restoration." *Frontiers in Marine Science* 7: 91.
- Vance, Chad. 2020. "The World is a Necessary being." *Philosophia* 48 (1): 377-390.
- Wargo, Katalin. 2020. "A Conceptual Framework for Authentic Writing Assignments: Academic and Everyday Meet." *Journal of Adolescent & Adult Literacy* 63 (5): 539-547.
- Warshafsky, Zoemma T., Stephen A. Bullard, Wolfgang K. Vogelbein, Emily A. Chandler, and Molly E. Lutcavage. 2020. "Prevalence, Intensity and Pathology of the Nasal Parasite Nasicola Hogansi in Atlantic Bluefin Tuna

(Thunnus Thynnus)." *Journal of Fish Diseases* 43 (3).

- Wiberg, Patricia L., Sergio Fagherazzi, and Matthew L. Kirwan. 2020. "Improving Predictions of Salt Marsh Evolution through Better Integration of Data and Models." *Annual Review of Marine Science*, Vol 12 12: 389-413.
- Williams, D. J., Emily E. Prior, and Jolene Vincent. 2020. "Positive Sexuality as a Guide for Leisure Research and Practice Addressing Sexual Interests and Behaviors." *Leisure Sciences*.
- Williams, Kiel T., Yuan Yao, Jia Li, Li Chen, Hao Shi, Mario Motta, Chunyao Niu, et al. 2020. "Direct Comparison of Many-Body Methods for Realistic Electronic Hamiltonians." *Physical Review X* 10 (1): 011041.
- Wolny, Jennifer L., Todd A. Egerton, Sara M. Handy, Whitney L. Stutts, Juliette L. Smith, Edward B. Whereat, Tsvetan R. Bachvaroff, Darren W. Henrichs, Lisa Campbell, and Jonathan R. Deeds. 2020. "Characterization of Dinophysis Spp. (Dinophyceae, Dinophysiales) from the Mid-Atlantic Region of the United States." *Journal of Phycology*.
- Wright, Melissa A., Timothy K. M. Beatty, and Hayley H. Chouinard. 2020. "Do Firms Leverage the FDA Nutrient Label Rounding Rules to Generate Favorable Nutrition Fact Panels Or Health Claims?" *Food Policy* 91: 101807.
- Xu, Yi, Fernando J. Plaza, Xu Liang, Tyler W. Davis, Judodine Nichols, Jaw K. Fu, and Peter Koranchie-Boah. 2020. "A Hydro-Thermal-Geochemical Modeling Framework to Simulate Reactive Transport in a Waste Coal Area Under Amended and Non-Amended Conditions." *Heliyon* 6 (1): e02803.
- Yang, Shi Lun, Xiangxin Luo, Stijn Temmerman, Matthew Kirwan, Tjeerd Bournia, Kehui Xu, Saisai Zhang, et al. 2020. "Role of Delta-Front Erosion in Sustaining Salt Marshes Under Sea-Level Rise and Fluvial Sediment Decline." *Limnology and Oceanography*.
- Ye, Fei, Yinglong J. Zhang, Haocheng Yu, Weiling Sun, Saeed Moghimi, Edward Myers, Karinna Nunez, et al. 2020. "Simulating Storm Surge and Compound Flooding Events with a Creek-to-Ocean Model: Importance of Baroclinic Effects." *Ocean Modelling* 145: 101526.
- Zhang, Yinglong J., Nathan Gerds, Eli Ateljevich, and Kijin Nam. 2020. "Simulating Vegetation Effects on Flows in 3D using an Unstructured Grid Model: Model Development and Validation." *Ocean Dynamics* 70 (2): 213-230.
- Zhang, Yinglong J., Fei Ye, Haocheng Yu, Weiling Sun, Saeed Moghimi, Edward Myers, Karinna Nunez, et al. 2020. "Simulating Compound Flooding Events in a Hurricane." *Ocean Dynamics*.