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Faculty Publications Spring 2018 – Fall 2019

Karin Akerfeldt, Chemistry

Mattsson, K.; Aquilar, R.; Torstensson, O.; Perry, D.; Akerfeldt, K. (2018). "Disaggregation of gold nanoparticles by *Daphnia magna*," *Nanotoxicology* 12(8):885-900.

Pogostin, B.H.; Malmendal, A.; Londergan, C.H.; Akerfeldt, K.S. (2019). "pKa Determination of a Histidine Residue in a Short Peptide Using Raman Spectroscopy," *Molecules* 24(3).

Eli Anders, Writing

Anders, E.O. (2018). *Smell Detectives: An Olfactory History of Nineteenth-Century Urban America* by Melanie A. Kiechle (University of Washington Press, 2017) [book review]. *Journal of the History of Medicine and Allied Sciences* 73(3):372-374.

Markus Baenziger, Fine Arts

Baenziger, M. "Bhubaneswar Art Trail," exhibit. Bhubaneswar, Odisha, India, November 18 - December 18, 2018.

Baenziger, M. "Sign of the Times," exhibit. The Weave Shed Gallery, Hambridge Center for the Creative Arts & Sciences, Rabun Gap, GA, March 3 - July 2, 2018.

Anne Balay, Gender and Sexuality Studies

Balay, A. (2018). *Semi Queer: Inside the World of Gay, Trans, and Black Truck Drivers*. Chapel Hill: The University of North Carolina Press. Nominated for a 2019 Lambda Literary Award.

Jamie Becker, Biology

Becker, J. W.; Hogle, S. L.; Rosendo, K.; Chisholm, S. W. (2019). "Co-culture and biogeography of *Prochlorococcus* and SAR11," *ISME JOURNAL* 13(6):1506-1519.

Thiele, S.; Basse, A.; Becker, J.W.; Lipski, A. (2019). "Microbial communities in the nepheloid layers and hypoxic zones of the Canary Current upwelling system," *MicrobiologyOpen* 8(5).

Laura Been, Psychology

Acaba, L.; Sidibe, D.; Thygesen, J.; Van der Kloot, H.; Been, L.E. (2019). "Sex experience increases delta FosB in male and female hamsters, but facilitates sex behavior only in females," *Behavioral Neuroscience*. Available: <http://dx.doi.org/10.1037/bne0000313>.

Been, L.E.; Gibbons, A.; Meisel, R. (2018). "Towards a neurobiology of female aggression," *Neuropharmacology*. Available: <https://doi.org/10.1016/j.neuropharm.2018.11.039>.

Moore, K. M.; Oelberg, W. L.; Glass, M. R.; Been Laura E. (2019). "Glutamate Afferents From the Medial Prefrontal Cortex Mediate Nucleus Accumbens Activation by Female Sexual Behavior," *Frontiers in Behavioral Neuroscience* 13:227.

Been, L.; Meisel, R. (2019). "Dopamine," *Encyclopedia of Sexuality and Gender* (Lykins, A. Ed.) Springer, Cham.
<https://link.springer.com/referencework/10.1007/978-3-319-59531-3>.

Anna Benjamin, *Fine Arts*

Benjamin, A. "Boi v'Shalom - Come in Peace*," exhibit. Brown RISD Hillel, Providence, RI. Opened March 11, 2019.

Benjamin, A. "Prints for Protest," exhibit. Second State Press, Philadelphia PA. February 15 to March 3, 2019.

Benjamin, A. "Boi v'Shalom - Come in Peace*," exhibit. West Bay View Foundation Fellowship Exhibition) Jordan D. Schnitzer Gallery at Dieu Donn e, Brooklyn, NY.

Carola Binder, *Economics*

Binder, C.C. (2018). "Inflation Expectations and the Price at the Pump," *Journal of Macroeconomics* 58:1-18.

Binder, C.C.; Wetzels, S. (2018). "The FOMC versus the staff, revisited: When do policymakers add value," *Economics Letters* 171:72-75.

Binder, C.; Rodrigue, A. (2018). "Household Informedness and Long-Run Inflation Expectations: Experimental Evidence," *Southern Economic Association* 82(2):580-598.

Binder, C. (2019). "Redistribution and the Individualism–Collectivism Dimension of Culture," *Social Indicators Research* 142(3):1175-1192.

Binder, C. (2018). "Federal Reserve Communication and the Media," *Journal of Media Economics* 30(4):191-214.

Binder, C. (2019). "Inequality and the Inflation Tax," *Journal of Macroeconomics* 61.

Binder, C. (2019). "Comment on 'Central Bank announcements: Big news for little people?' by Michael Lamla and Dmitri Vinogradov," *Journal of Monetary Economics* 108:39-44.

Binder, C.; Janson, W.; Verbrugge, R. (2019). "Thinking Outside the Box: Do SPF Respondents Have Anchored Inflation Expectations?" *Federal Reserve Bank of Cleveland*, Working Paper no. 19-15. <https://doi.org/10.26509/frbc-wp-201915>.

Natasha Bissonauth, Writing

Bissonauth, N. (2019). "Sunil Gupta," *Global Encyclopedia of Lesbian, Gay, Bisexual, Transgender, and Queer (LGBTQ) History* (Chiang, H.; Arondekar, A.; Epprecht, M.; Evans, J.; Forman, R.; Al-Samman, H.; et al. Eds.). Hills, MI: Charles Scribner's Sons. Available: <http://go.galegroup.com/ps/i.do?p=GVRL&sw=w&u=a23uh&v=2.1&it=etoc&id=GALE%7C9780684325545&sid=GVRL>.

Elizabeth Blake, Writing

Blake, E. (2018). "Dinner Theatre/Dinner Theatricality," in *The Routledge Companion to Literature and Food* (Lorna Piatti-Farnell, L.; Brien, D.L., Eds.). New York: Routledge.

Marilyn Gail Boltz, Psychology

Boltz, M.G. (2018). "Auditory driving and affective influences," *Applied Cognitive Psychology* 32(4):512-517.

Craig Borowiak, Political Science

Borowiak, C.; Safri, M.; Healy, S.; Pavlovskaya, M. (2018). "Navigating the Fault Lines: Race and Class in Philadelphia's Solidarity Economy," *Antipode* 50(3):577-603.

Borowiak, C. (2019). "Poverty in Transit: Uber, Taxi Coops, and the Struggle over Philadelphia's Transportation Economy," *Antipode: A Radical Journal of Geography*. Available: <https://doi.org/10.1111/anti.12543>.

Borowiak, C. and Ji, M. (2019). "Taxi Co-ops versus Uber: Struggles for Workplace Democracy in the Sharing Economy," *Journal of Labor and Society* 22(1):165-185.

Healy, S.; Borowiak, C.; Pavlovskaya, M.; Safri, M. (2018). "Commoning and the Politics of Solidarity: Transformational Responses to Poverty," *Geoforum*. Available: <https://doi.org/10.1016/j.geoforum.2018.03.015>.

Borowiak, C. (2018). "Colonial Power and the Rule of Law's Tangled History: McBride's Mr. Mothercountry." Review of *Mr. Mothercountry: The Man Who Made the Rule of Law*, by Keally McBride. *Theory & Event* 21(1):318-323.

Stephen Boughn, Physics

Boughn, S.; Reginatto, M. (2018). "Another Look through Heisenberg's Microscope," *European Journal of Physics* 39(3):1-17.

Robert Broadrup, Chemistry

Schick, S.J.; Broadrup, R.L.; Mayack, C.; White, H.K.; Macherone, A. (2018). "Integrating GC/TOF Exposome Profiling and Genetic Disease Screening to Provide a Holistic Perspective on Honey Bee Health," *American Laboratory* 50(3):21-23.

Broadrup, R.L.; Mayack, C.; Schick, S.J.; White, H.K. (2019). "Honey bee (*Apis mellifera*) exposomes and dysregulated metabolic pathways associated with *Nosema ceranae* infection," *PLoS ONE* 14(3).

Satterthwaite, L.; Perez, C.; Steber, A.L.; Broadrup, R.L. (2019). "Enantiomeric Analysis of Chiral Isotopomers via Microwave Three-Wave Mixing," *Journal of Physical Chemistry* 123(14):3194-3198.

Theodore Brzinski, *Physics and Astronomy*

Brzinski, T.; Daniels, K. (2018). "Sounds of Failure: Passive Acoustic Measurements of Excited Vibrational Modes," *The Physical Review Letters* 120(21).

Tang, Z.; Brzinski, T.A.; Shearer, M.; Daniels, K.E. (2018). "Nonlocal rheology of dense granular flow in annular shear experiments," *Soft Matter* 14(15):3040-3048.

Israel Burshatin, *Spanish and Comparative Literature*

Burshatin, I. (2018). "Review of Javier Irigoyen-García, *Moors Dressed as Moors. Clothing, Social Distinction, and Ethnicity in Early Modern Iberia*," *Bulletin for Spanish and Portuguese Historical Studies* 43(1):14.

Burshatin, I.; Cabello, H.; Carceller, A.; Segade, M. (2019). *Cabello/Carceller. Ciudad de Mexico: Museo Universitario de Arte Contemporáneo de México*. Available: <https://www.accioncultural.es/en/cabello/carceller-anexo-caso-cespedes--ebook>.

Curtis Cacioppo, *Music*

Iamone, M. "About the Clouds." Performed by Curtis Cacioppo with artwork by Ying Li. YouTube, August 3, 2018. Available: <https://www.youtube.com/watch?v=JAtoZyvgI7I>.

Cacioppo, C. "Tuscan Folio (Symphony No. 3)." YouTube, August 20, 2018. Available: <https://www.youtube.com/watch?v=LJv1E1kP-B8>.

Cacioppo, C. "...of dark and bright..." Performed by James Ross. YouTube, September 14, 2018. Available: <https://www.youtube.com/watch?v=TA1jPAcF4Dk>.

Cacioppo, C. "Tritton Fanfare." Performed by the Philadelphia Brass Works. YouTube, September 22, 2018. Available: <https://www.youtube.com/watch?v=xGbVT9eIhJg>.

Cacioppo, C. "(I, madly struggling, cry)." World premiere, performed by William Sharp and Wan-Chi Su, commissioned by the Post Classical Ensemble, The National Cathedral, Washington D.C., November 5, 2018.

Hagerty, M. "Facets." Performed by Curtis Cacioppo. YouTube, February 12, 2019. Available: <https://www.youtube.com/watch?v=DzlnrfqOYdI>.

Cacioppo, C. "Largo in E." Performed by James Ross and the Bach Society Orchestra. YouTube, February 17, 2019. Available: <https://www.youtube.com/watch?v=ruNvcZ4IiHE>.

Cacioppo, C. "Faust Narrative No. 2." Premiere, performed by Curtis Cacioppo, Francesco D'Orazio, David Wetherill, and the Philadelphia Orchestra, Concert Artists Series, Haverford College, Haverford PA, April 14, 2019.

Cacioppo, C. "Trio for Violin, Horn and Piano." Premiere, performed by Curtis Cacioppo, Francesco D'Orazio, David Wetherill, and the Philadelphia Orchestra, Concert Artists Series, Haverford College, Haverford PA, April 14, 2019.

Cavallone, F. "Ombre allungate." Performed by Curtis Cacioppo, April 21, 2019. Available: https://www.youtube.com/watch?v=auWOn_f-uxU.

Cacioppo, C. "Red Jacket/Yonnonديو." Performed by Kristina Bachrach and Laura Ward, April 22, 2019. Available: <https://www.youtube.com/watch?v=R6QJftGxPTU>.

Cacioppo, C. "(I, madly struggling, cry)." Performed by William Sharp and Wan-Chi Su, July 5, 2019. Available: https://www.youtube.com/watch?v=-1NdXZfH_yk.

Cacioppo, C. "Horn Trio." Performed by Curtis Cacioppo, Francesco D'Orazio, and David Wetherill, July 8, 2019. Available: <https://www.youtube.com/watch?v=3bbZXNSbcp8>.

Cacioppo, C. "Armed and Dangerous (fantasy-variations on l'homme armé)." Recording performed by Emanuele Arciuli, Molfetta Area DIG studio, Bari, Italy, September 14, 2019.

Cacioppo, C. "Notturmo elidiano." South American premiere performed by Alessandro Vena, São Paulo, Brazil, October 11, 2019.

Cacioppo, C. "PIANO VARIATIONS on Hail to the Chief." Performed by Charles Abramovic and Sara Davis Buechner, October 18, 2019. Available: <https://www.youtube.com/watch?v=LrJcTx4QDpo>.

Cacioppo, C. "Fantaisie-Sonatine (Souvenir du Levant)." Performed by Curt Cacioppo and Jonathan Blumenfeld, October 22, 2019. Available: <https://www.youtube.com/watch?v=6PEK8Yatokk&feature=youtu.be>.

Cacioppo, C. "Notturmo elidiano." European premiere performed by Alessandro Vena, Taormina, Sicily, October 26, 2019.

Cacioppo, C. “Nebbia lagunare.” World premiere performed by Quartetto di Venezia, Fondazione Benetton Studi Ricerche, Treviso, Italy, December 7, 2019.

Cacioppo, C. “Nevskaya Fantaziya.” World premiere commissioned by the Tchaikovsky Center for Musical Culture's 2019 festival in St. Petersburg Russia, Marble Palace, State Russian Museum, December 21, 2019.

Cacioppo, C. “Viva Voce!” World premiere based on poems by Luigi Cerantola, performed by Curtis Cacioppo, Kristina Bachrach, Viva Voce Chamber Singers, Nathan Zullinger, and Evan Ocheret, Concert Artists Series, Haverfords College, Haverford PA, January 26, 2020.

Jane Chandlee, *Linguistics*

Chandlee, J.; Heinz, J.; Jardine, A. (2018). “Input Strictly Local opaque maps,” *Phonology* 35(2):171-205.

Chandlee, J.; Jardine, A. (2019). “Autosegmental Input Strictly Local Functions,” *Transactions of the Association for Computational Linguistics* 7:157-168.

Louise Charkoudian, *Chemistry*

Epstein, S.C.; Charkoudian, L.K.; Medema, M.H. (2018). “A standardized workflow for submitting data to the Minimum Information about a Biosynthetic Gene cluster (MIBiG): prospects for research-based educational experiences,” *Standards in Genomics Science* 13(16).

McKeon, C.A.; Charkoudian, L.K.; Londergan, C.H. (2018). “Probing Substrate Sequestration in Carrier Proteins using Vibrational Spectroscopy Labels and Molecular Dynamic Simulations,” *Biophysical* 114(3):69A.

Fairman, R., et al. (2018). “The effect of divalent cations on the thermostability of type II polyketide synthase acyl carrier proteins,” *AIChE Journal* 64(12):4308-4318.

Lopes, L.E.; Waldis, S.J.; Terrell, S.M.; Lindgren, K.A.; Charkoudian, L.K. (2018). “Vibrant symbiosis: Achieving reciprocal science outreach through biological art,” *PLoS Biol* 16(11).

Greule, A.; Charkoudian, L.; Cryle, M.J. (2019). “Studying trans-acting enzymes that target carrier protein-bound amino acids during nonribosomal peptide synthesis,” *Methods in Enzymology*, Vol. 617: 113-154. (Schmidt-Dannert, C.; Quin, M.B. Dds.) Cambridge: Academic Press.

Henry, M.A.; Shorter, S.; Charkoudian, L.; Heemstra, J.M. (2019). “FAIL Is Not a Four-Letter Word: A Theoretical Framework for Exploring Undergraduate Students' Approaches to Academic Challenge and Responses to Failure in STEM Learning Environments,” *CBE—Life Sciences Education* 18(1).

Epstein, S.C.; Huff, A.R.; Winesett, E.S.; Londergan, C.H.; Charkoudian, L.K. (2019). "Tracking carrier protein motions with Raman spectroscopy," *Nature Communications* 10.

Acheampong, K.K.; Kokona, B.; Braun, G.A.; Jacobsen, D.R.; Johnson, K.A.; Charkoudian, L.K. (2019). "Colorimetric Assay Reports on Acyl Carrier Protein Interactions," *Scientific Report* 9: no. 15589.

Rebecca Compton, Psychology

Compton, R.J.; Heaton, E.C.; Gaines, A. (2018). "Is attention enhanced following performance errors? Testing the adaptive control hypothesis," *Psychophysiology* 55(4).

Christophe Corbin, French and Francophone Studies

Corbin, C. (2019). *Revisiting the French Resistance in Cinema, Literature, Bande Dessinée, and Television (1942–2012)*. Lanham, MD: Lexington Books.

Thomas Donahue-Ochoa, Political Science

Donahue, T. (2019). *Unfreedom for All*. New York: Oxford University Press.

John Dougherty, Computer Science

Dougherty, J.P. (2019). "Math Counts: Mathematics for a human-computer interaction course," *ACM Inroads* 10:1.

Dougherty, J.P. (2018). "MATH COUNTS: A higher (order) calling, not yet answered," *ACM Inroads* 9:3.

Dougherty, J.P. (2018). "MATH COUNTS: A computer science educator visits MathFest," *ACM Inroads* 9:2.

Virtue, P.; Wolfman, S.A.; Dougherty, J.P. (2018). "SIGCSE Filk Circle: CS Parody Songs for Learning, Engagement, and Fun," *SIGCSE '18: Proceedings of the 49th ACM Technical Symposium on Computer Science Education*.

Galanos, R.; Ball, M.; Dougherty, J.P.; Hummel, J.; Malan, D.J. (2018). "Technology We Can't Live Without!, revisited," *SIGCSE '18: Proceedings of the 49th ACM Technical Symposium on Computer Science Education*.

Prasad, S.K.; Weems, C.C.; Dougherty, J.P.; Deb, D. (2018). "NSF/IEEE-TCPP Curriculum Initiative on Parallel and Distributed Computing: Status Report," *SIGCSE '18: Proceedings of the 49th ACM Technical Symposium on Computer Science Education*.

Paulina Ochoa Espejo, Political Science

Espejo, P.O. (2018). *A Political Theory of Territory* by Margaret Moore (Oxford University Press, 2015) [book review]. *Perspectives on Politics* 16(1):195-196.

Rebecca Everett, *Mathematics and Statistics*

Murad, N.; Tran, H.T.; Banks, H.T.; Everett, R.A. (2019). “Immunosuppressant Treatment Dynamics in Renal Transplant Recipients: An Interactive Modeling Approach,” *Discrete and Continuous Dynamical Systems-Series B* 24(6):2781-2797.

Robert Fairman, *Biology*

Fairman, R., et al. (2018). “The effect of divalent cations on the thermostability of type II polyketide synthase acyl carrier proteins,” *AIChE Journal* 64(12):4308-4318.

Travis, S.M.; Kokona, B.; Fairman, R.; Hughson, F.M. (2019). “Roles of singleton tryptophan motifs in COPI coat stability and vesicle tethering,” *Proceedings of the National Academy of Sciences of the United States of America* 116(48):24031-24040.

Molly Farneth, *Religion*

Farneth, M. (2018). “Constructivism in Ethics: A View from Hegelian Semantics” in *Religious Ethics and Constructivism: A Metaethical Inquiry* (Jung, K., ed.). New York: Routledge.

Farneth, M. (2019). “A Politics of Tending and Transformation,” *Studies in Christian Ethics* 32(1):113-118.

Sorelle Friedler, *Computer Science*

Friedler, S.A.; Scheidegger, C.; Venkatasubramanian, S.; Choudhary, S.; Hamilton, E.P.; Roth, D. (2019). “A comparative study of fairness-enhancing interventions in machine learning,” *Proceedings of the Conference on Fairness, Accountability, and Transparency (FAT*)*.

Selbst, A.; Boyd, D.; Friedler, S.A.; Venkatasubramanian, S.; Vertesi, J.A. (2019). “Fairness and Abstraction in Sociotechnical Systems,” *Proceedings of the Conference on Fairness, Accountability, and Transparency (FAT*)*.

Ensign, D.; Friedler, S.A.; Neville, S.; Scheidegger, C.; Venkatasubramanian, S. (2018). “Decision Making with Limited Feedback: Error bounds for Recidivism Prediction and Predictive Policing,” *Proceedings of Algorithmic Learning Theory* PMLR 83:359-367.

Jia, X.; Lynch, A.; Huang, Y.; Danielson, M.; Norquist, A.; Friedler, S.; Schrier, J. (2019). “Anthropogenic biases in chemical reaction data hinder exploratory inorganic synthesis,” *Nature* 573:251-255.

Pendleton, I.; Cattabriga, G.; Li, Z.; Najeeb, M.; Friedler, S.; Norquist, A.; Schrier, J. (2019). “Experiment Specification, Capture and Laboratory Automation

Technology (ESCALATE): A software pipeline for automated chemical experimentation and data management.” *MRS Communications* 9(3):846-859.

Andrew Friedman, History

Friedman, A. (2019). “A Monument as a Sensory Intervention,” *Monument Lab: Creative Speculations for Philadelphia*. Philadelphia, PA: Temple University Press.

Ashok Gangadean, Philosophy

Gangadean, A. K. (2018). *Guided Meditations to Source Life*. Available: https://www.youtube.com/playlist?list=PLfQfwi4mz2OIYG-lMeRHler9aO59O_QpU.

Gangadean, A. K. (2019). ((1776: Our Un-finished American R-Evolution)) webseries, part of HuManUp.tv channel. Available: <https://www.humanup.tv/copy-of-podcast>.

Eric Gaus, Economics

Gaus, E.; Sinha, A. (2018). “What does the yield curve imply about investor expectations?” *Journal of Macroeconomics* 57:248-265.

Mark Gould, Sociology

Gould, M. (2019). “History is Sociology: All Arguments are Counterfactuals,” *Journal of Historical Sociology* 32(SI): E1-E10.

Lisa Jane Graham, History

Graham, L.J. (2018). “What Made Reading Dangerous in Eighteenth-Century France?” *French Historical Studies* 41(3):441-471.

Myron Gray, Music

Gray, M. (2018). *Singing Sedition: Piety and Politics in the Music of William Billings* by Charles E. Brewer (Pendragon Press, 2017) [book review]. *American Music* 36(3):403-406.

Gray, M. (2018). “Music,” *Early American Studies: An Interdisciplinary Journal* 16(4):714-720.

Myron, Gray. (2019). “Very Good for an American”: *Essays on Edward MacDowell* by E. Douglas Bomberger (Boydell and Brewer, Pendragon Pres, 2017) [book review]. *Notes* 75 (4):660-662.

Daniel Grin, Physics

Hlozek, R.; Marsh, D.J.E.; Grin, D. (2018). “Using the full power of the cosmic microwave background to probe axion dark matter,” *Monthly Notices of the Royal Astronomical Society* 476(3):3063-3085.

Poulin, V.; Smith, T.L.; Grin, D.; Karwal, T.; Kamionkowski, M. (2018). "Cosmological implications of ultralight axionlike fields," *Physical Review D* 98(8).

Smith, T.L.; Grin, D.; Robinson, D.; Qi, D. (2019). "Probing spatial variation of the fine-structure constant using the CMB," *Physical Review D* 99(4).

Eric Hartman, *Center for Peace and Global Citizenship*

Hartman, E.; Kiely, R.; Boettcher, C.; Friedrichs, J. (2018). *Community-Based Global Learning: The Theory and Practice of Ethical Engagement at Home and Abroad*. Sterling, VA: Stylus Press.

Balasubramaniam, R.; Hartman, E.; McMillan, J.; Paris, C.M. (2018). "Ethical Global Partnerships: Leadership from the Global South" in *The Wiley International Handbook of Service-Learning for Social Justice* (Lund, D.E. Ed.). Hoboken, NJ: Wiley-Blackwell.

Hartman, E.; Ogden, A.C. (2019). "To Hell and Back with Good Intentions: Global Service-learning in the Shadow of Ivan Illich" in *Conflict Zone, Comfort Zone: Ethics, Pedagogy, and Effecting Change in Field-Based Courses* (Paczyńska, A. and Hirsch, S. Ed.). Athens: Ohio University Press.

Darin Hayton, *History*

Hayton, D. (2018). "On the cover," *History and Technology* 34(1):1-3.

David Higgins, *Biology*

Higgins, D. et al. (2018). "A Kinesin-14 Motor Activates Neocentromeres to Promote Meiotic Drive in Maize," *Cell* 173(4):839-850.e18.

Emily Hong, *Anthropology and Visual Studies*

Hong, E. (2019). "For My Art," exhibit. Screen Acts: Women in Film and Video, San José Museum of Art, April 5 - June 30, 2019.

Ariana Huberman, *Spanish*

Huberman, A. (2019) "The New Ethnic Studies in Latin America" [book review]. *The New Ethnic Studies in Latin America* by Raanan Rein (Johns Hopkins University Press, 2017), *American Jewish History* 103(2):244-246.

Seol Hee Im, *Biology*

Im, S.H.; Patel, A.A.; Cox, D.N.; Galko, M.J. (2018). "Drosophila Insulin receptor regulates the persistence of injury-induced nociceptive sensitization," *Disease Models and Mechanisms* 11(5).

Anita Isaacs, *Social Science*

Isaacs, A.; Preston, A. (2018). "Tear Gas and Intimidation Won't Fix the Root Causes of Migration," *The Washington Post Online*, November 26, 2018. Available: <https://www.washingtonpost.com/news/global->

opinions/wp/2018/11/26/tear-gas-and-intimidation-wont-fix-the-root-causes-of-migration/?noredirect=on&utm_term=.e4c809c41126.

Isaacs, A.; Preston, A. (2019). “The Democrats’ Latest Political Misstep on Immigration,” *The New York Times Online*, February 15, 2019. Available: <https://www.nytimes.com/2019/02/15/opinion/democrats-immigrants-ice.html>.

Heidi Jacob, Music

Jacob, H. “Scherzo for Flute and Marimba.” Performed by Amélie Debecq and Damien Delvaux, Festival Osmose, Espace Toots, Evere, Belgium, November 30, 2018.

Jacob, H. “Metamorphosis I.” Performed by Thalia Moore, San Francisco Music Days, Intermusic San Francisco and the Veterans Memorial, San Francisco CA, September 30, 2018.

Jacob, H. “Fantasy for Piano.” Performed by Charles Abramovic, Philadelphia Young Pianists’ Academy/Academy of Vocal Arts, Philadelphia PA; Music of the Americas, Temple University, Philadelphia PA, August 11 and September 23, 2018.

Jacob, H. Work for harpsichord and narrator. Performed by Joyce Lindorff, Keyboard Festival, Temple University, Philadelphia PA, February 10, 2019.

Jacob, H. “Suite for Flute and Piano.” Flute Day, Penn State University, University Park PA, January 13, 2019.

Jacob, H.; Abramovic, C. (2019). *My Sister Hali* original soundtrack. Screened at Amsterdam International Film Festival, Veritas Film Festival in Pittsburgh, PA.

Roshan Jain, Biology

Marsden, K.C., et al. (2018). “A Cyfip2-Dependent Excitatory Interneuron Pathway Establishes the Innate Startle Threshold,” *Cell Reports* 23(3):878-887.

Karl Johnson, Biology

Fairman, R., et al. (2018). “The effect of divalent cations on the thermostability of type II polyketide synthase acyl carrier proteins,” *AIChE Journal* 64(12):4308-4318.

Acheampong, K.K.; Kokona, B.; Braun, G.A.; Jacobsen, D.R.; Johnson, K.A.; Charkoudian, L.K. (2019). “Colorimetric Assay Reports on Acyl Carrier Protein Interactions,” *Scientific Report* 9: no. 15589.

Suzanne Amador Kane, Physics and Astronomy

Kane, S.A.; Dakin, R.; Lu, Y.; Fang, R. (2019). “How conspicuous are peacock eyespots and other colorful feathers in the eyes of mammalian predators?” *PLoS ONE* 14(4).

Kane, S.A.; Beveren, V.D.; Dakin, R. (2018). "Biomechanics of the peafowl's crest reveals frequencies tuned to social displays," *PLoS ONE* 13(11).

Holt, M.; Gillen, D.; Setter, K.; Thorman, P.; Kane, S.A. (2019). "Making Physics Courses Accessible for Blind Students: Strategies for Course Administration, Class Meetings, and Course Materials," *Physics Teacher* 57(2):94-98.

Hee Sook Kim, *Fine Arts*

Kim, H.S. "16 Times ART," exhibit. Weißenthurm Town Hall Foyer, Germany, 2018.

Kim, H.S. "American Color Print Society Board Members Exhibition," exhibit. Plastic Club, Philadelphia PA, October 7-25, 2018.

Kim, H.S. "American Color Print Society & Spring Forward Exhibition," exhibit. Chestnut Hill Gallery, Philadelphia, April 7-21, 2018.

Kim, H.S. "Artbox Project," exhibit. Armory Art Week, New York NY, 2018.

Kim, H.S. "Inauguration Exhibition," exhibit. Kyo Gallery, Alexandria VA, 2018.

Kim, H.S. "Welcome to Art Garden," exhibit. PizzArte, New York NY, 2018.

Kim, H.S. "Wind Challenge 3," exhibit. Fleisher Art Memorial, Philadelphia PA, 2018.

Kim, H.S. "Paradise Between," exhibit. Abington Art Center, Philadelphia PA, 2019.

Kim, H.S. "Reflections," exhibit. Kyo Gallery, Alexandria VA, 2019.

Kim, H.S. "Spectrum Miami-Art Basel Miami Art Week 2018," group exhibit. Artblend Gallery, Miami FL, 2019.

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Rosetta Young, Writing Program

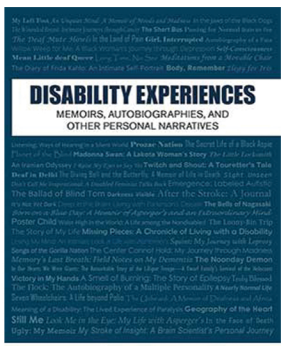
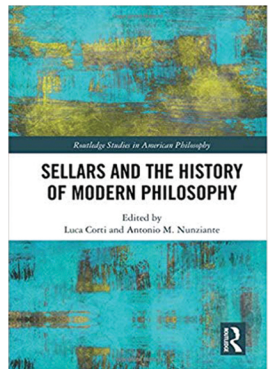
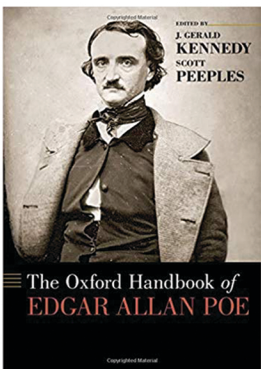
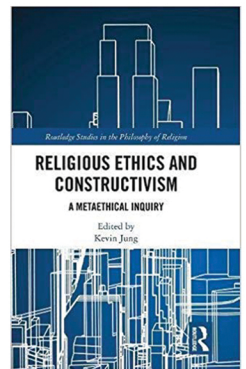
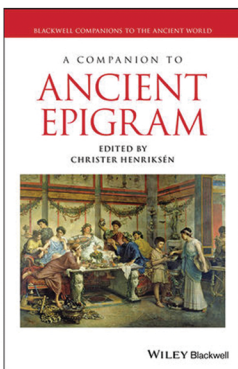
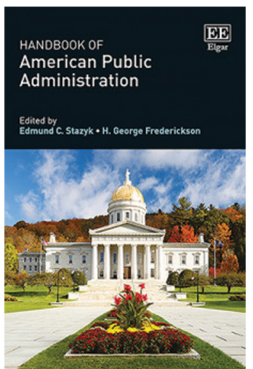
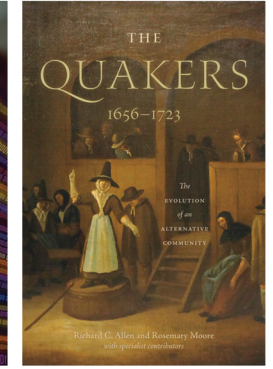
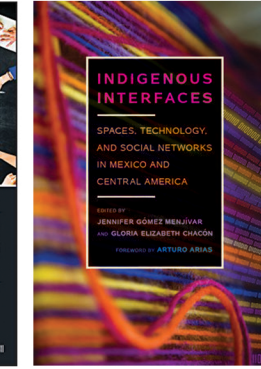
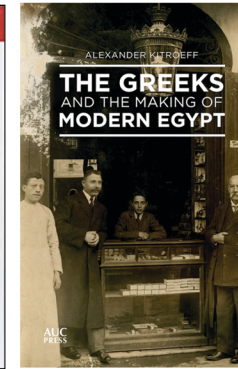
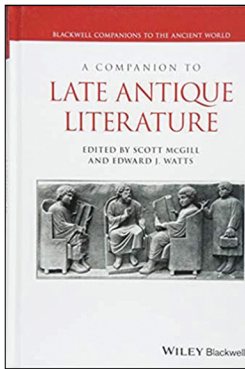
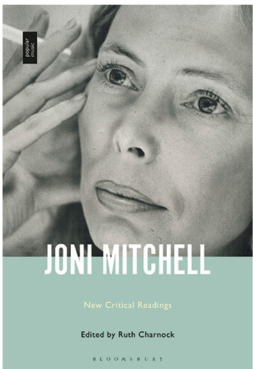
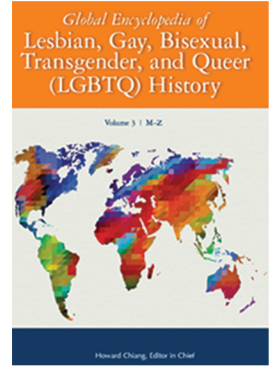
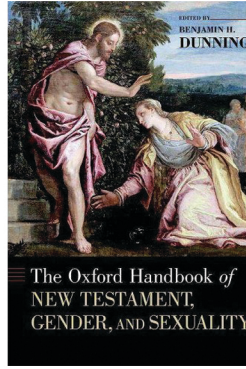
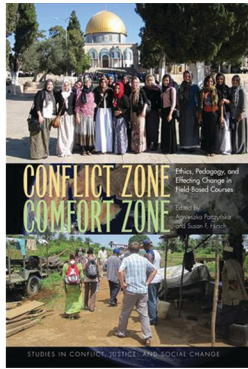
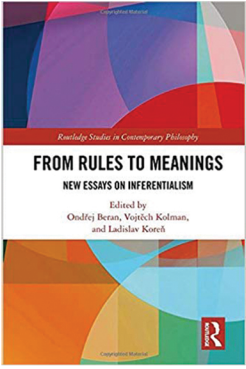
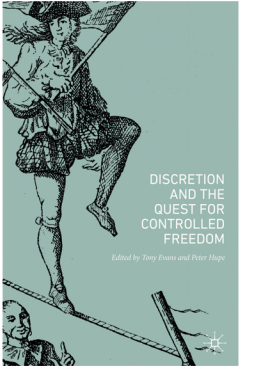
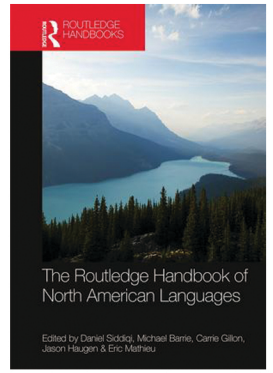
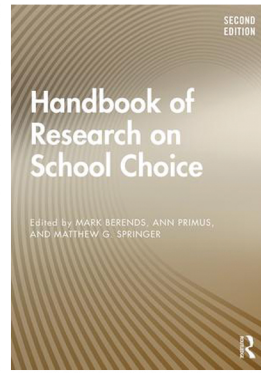
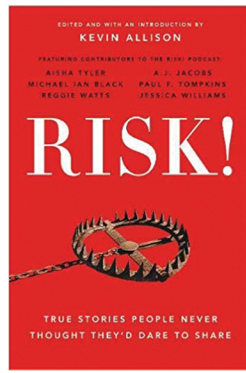
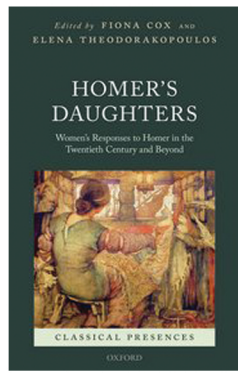
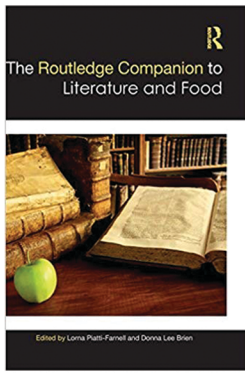
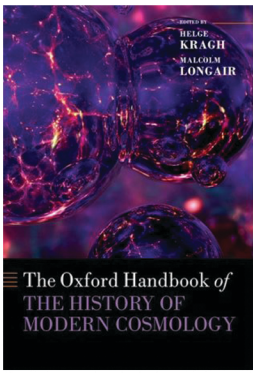
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