JOSHUA P. NEWELL
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Google Scholar (Sep 2026): 20,000+ citations; h-index 45

PROFILE

Interdisciplinary scholar and institute/center builder with expertise in urban sustainability, resilience, environmental justice, supply chains, and geospatial AI. Built a $22M+ sponsored research portfolio and published 66 journal articles, advancing engaged research with policy and media impact. Administrative experience spans school-level redesign, faculty hiring, curriculum governance, and program development, with strong mentorship and placement outcomes.

EDUCATION

2008	Ph.D. (Urban Ecology Certificate)	Geography	University of Washington
2003	M.A.	Geography	University of Washington
1991	B.A.	History	Brown University

PROFESSIONAL APPOINTMENTS

2022–present **Professor,** School for Environment and Sustainability (SEAS) /Program in the Environment (PiTE) University of Michigan (UM)
Affiliations: Center for Sustainable Systems; Erb Institute; Graham Institute; Michigan Institute for Data Science; Institute for Global Change Biology; and university area-studies centers.

2026–present **Founding Director**, Global Supply Chain Intelligence Institute, University of Michigan

2023–2024 **Co-Director,** Center for Sustainable Systems, School for Environment and Sustainability (SEAS), University of Michigan

2017–2022 **Associate Professor**, SEAS, PiTE, University of Michigan

2010–2017 **Assistant Professor,** School of Natural Resources and Environment / PiTE, University of Michigan

2009–2010 **Research Assistant Professor**. Center for Sustainable Cities, Price School of Public Policy, University of Southern California (USC)

2008–2009 **Research Assistant Professor**, Center for Sustainable Cities, Department of Geography, USC

SELECTED HONORS & AWARDS

- Clarivate Highly Cited Researcher (2025), Social Sciences — a designation held by roughly 260 scholars worldwide (top 1% by citation impact).
- Outstanding Paper Awards: Land (2024) and Landscape and Urban Planning (Weddle Prize, 2017).
- Fellowships: U.S. Fulbright Global Scholar Award (2017–2018), Regensburg Fellowship, Germany (2020), Invited Scholar Fellowship, Research Institute for Humanity and Nature, Japan (2016).
- Golden Apple Award Finalist (2013–2014) — Teaching excellence.

INSTITUTIONAL LEADERSHIP & ACADEMIC ADMINISTRATION

Strategic Leadership & Institute Building

Founding Director, Global Supply Chain Intelligence Institute, University of Michigan (2026–present). Establishing a multi-unit institute integrating AI and supply chain science.
Co-Director, Ideas Lab, University of Michigan (2024–2026). Co-led (with Peter Reich) a $3M

university-wide initiative to catalyze interdisciplinary research among mentored junior faculty teams.
Director, Urban Sustainability Research Group, SEAS, University of Michigan (2010–present). Founded and grew a high-impact research group.
Co-Director, Center for Sustainable Systems, SEAS, University of Michigan (2023–2024). Strategic and operational oversight; internal operations and external engagement.

Academic Governance & Faculty Affairs

Executive-committee and personnel-focused service, paired with institute/center leadership and school redesign experience.

School redesign & boundary-spanning architecture: Core SNRE representative on a year-long, university-wide Faculty Transition Team (2016–2017). Helped craft the vision and organizational redesign that reimagined SNRE as SEAS, creating porous borders to catalyze cross-campus collaboration and joint initiatives.

School strategy, budget deliberation & executive decision-making: Elected member, SEAS Executive Committee (2018–2021; 2022–2024) and PiTE Executive Committee (2023–2025). Contributed to school strategy and policy deliberations, including budget planning debates and related oversight responsibilities in support of the Dean.

Faculty recruitment, strategic hiring & appointments: Search Chair for four faculty/leadership searches (incl. Michigan Sea Grant Director senior hire; coupled natural–human systems). Originated and advanced university-wide cluster-hire proposals and SEAS future-faculty hire proposals.

Faculty evaluation & advancement: Chair, promotion & tenure and faculty review committees (P&T; 3-year reviews) for assigned cases (2017–2018; 2022–2024).

Curriculum governance, enrollment & staffing: Specialization Coordinator for Sustainable Systems (largest MS specialization, 2022–2023; 2025–present); Member, SEAS Specialization Council (2022–2023; 2025–present). Guided curriculum/course planning and aligned recruitment and staffing with specialization and school priorities.

See Appendix F for additional governance, committee, hiring, and review activities.

PROFESSIONAL EXPERIENCE (PRE-ACADEMIC)

Program Director, Friends of the Earth Japan (Tokyo & Vladivostok) (1994–2000)
Managed a multinational team (4 staff) and $300K annual budget (1990s dollars); raised foundation/government support and led policy engagement with multilateral banks and industry.

- Represented FOE at Kyoto COP-3 and other major international forums.
- Organized international conferences in Russia on biodiversity conservation.

RESEARCH FUNDING & PORTFOLIO MANAGEMENT

Sponsored funding: $22.1M total (extramural + intramural) across 40+ awards.
Direct budget authority (PI/admin lead): $8.6M**.**
Major sponsors: National Science Foundation (10 awards from SBE, Engineering, and Geosciences), NASA, Office of Naval Research (ONR), National Oceanic and Atmospheric Administration (NOAA), U.S. Department of Agriculture, and philanthropic/corporate partners.
Portfolio leadership: Organize center-scale, multi-unit, and interdisciplinary teams from engineering, environmental science, social science, business, and planning.

Selected current awards

- PI, Geospatial Analytics to Enhance Water Security (ONR) — $400K (2024–2026).
- PI, Assessing Blue Gentrification in Michigan's Coastal Communities (Michigan Sea Grant, NOAA) — $220K (2024–2026).
- PI, Global Supply Chain Intelligence Institute seed award (UM Office of the Vice President for Research) — $200K (2026–2028).

- Co-PI, Life Cycle Assessment of EV Batteries (Ford Motor Company) — $200K (2024–2026).

Selected completed awards

- Senior Personnel, NSF Sustainable Research Network — $12M network award (2015–2022); managed the University of Michigan budget within a multi-university consortium.
- U.S. Lead PI, FEW-Meter: Integrative Model for Urban Metabolism (NSF/Belmont Forum) — $2.0M (2018–2023).
- PI, Sustainability Hoofprint of Cities (NSF) — $313,049 (2018–2023).
- Co-PI, Forested Land-Cover Change in Northern Eurasia (NASA) — $997K (2012–2015)

Complete sponsored projects and awards record provided in Appendix A.

SCHOLARSHIP

Citations: 20,000+ | h-index: 45 (Google Scholar; Sep 2026) | Refereed journal articles: 66 | Books/chapters: 8

Defining Scholarly Works

Selected foundational contributions across five research areas.

I. Urban Sustainability, Resilience, and Environmental Justice

Equity-centered urban sustainability and resilience: conceptual foundations, urban metabolism, and empirical work on greening, carbon, and displacement.

Meerow, S., Newell, J. P., & Stults, M. (2016). Defining urban resilience: A review. Landscape and Urban Planning, 147, 38–49. (~4,000 citations)

Meerow, S., & Newell, J. P. (2019). Urban resilience for whom, what, when, where, and why? Urban Geography, 40(3), 309–329. (~1,250 citations)

Newell, J. P., & Cousins, J. J. (2015). The boundaries of urban metabolism: Towards a political–industrial ecology. Progress in Human Geography, 39(6), 702–728.

Goldstein, B., Gounaridis, D., & Newell, J. P. (2020). The carbon footprint of household energy use in the United States. Proceedings of the National Academy of Sciences, 117(32), 19122–19130.

II. Environment, Health, and Social Vulnerability

Environmental exposure, public health, and social vulnerability: urban greening, gentrification, and air-pollution burdens in vulnerable communities.

Wolch, J. R., Byrne, J., & Newell, J. P. (2014). Urban green space, public health, and environmental justice: The challenge of making cities "just green enough." Landscape and Urban Planning, 125, 234–244. (~5,900 citations)

Hawes, J. K., Gounaridis, D., & Newell, J. P. (2022). Does urban agriculture lead to gentrification? Landscape and Urban Planning, 225, 104447.

Chamanara, S., Gounaridis, D., Goldstein, B., & Newell, J. P. (2025). Geography of animal feeding operations and their contribution to fine particulate matter pollution in vulnerable communities in the United States. Communications Earth & Environment, 6(1), 620.

III. Supply Chains, Consumption, and Governance

Traces firm supply chains and consumption across space and time, linking commodity flows to environmental and social hotspots; evaluates governance mechanisms (certification, voluntary initiatives, policy).

Goldstein, B. P., Pelton, R., Gounaridis, D., Schmitt, J., Springer, N., & Newell, J. P. (2025). The carbon hoofprint of cities is shaped by geography and production in the livestock supply chain. Nature

Climate Change, 15, 1190–1197.

Goldstein, B., & Newell, J. P. (2020). How to track corporations across space and time. Ecological Economics, 169, 106492.

Chamanara, S., Goldstein, B., & Newell, J. P. (2021). Where is the beef? Costco's supply chain and environmental justice in California. Journal of Cleaner Production, 278, 123744.

IV. GeoAI and Computational Social Science

Geospatial AI and spatial analytics to map exposure, vulnerability, public opinion, and coupled social–environmental dynamics across climate risk and the energy transition.

Gounaridis, D., & Newell, J. P. (2024). The social anatomy of climate change denial in the United States. Scientific Reports, 14(1), 2097.

Gounaridis, D., Waweru, W., & Newell, J. P. (2024). Triple exposure: The geographic correlation between flooding risk, climate skepticism, and social vulnerability in the United States. Environmental Research Letters, 19(1), 114084.

Vega-Perkins, J., Newell, J. P., & Keoleian, G. (2023). Mapping electric vehicle impacts: Greenhouse gas emissions, fuel costs, and energy justice in the United States. Environmental Research Letters, 18(1), 014207.

V. Transnational Resource Governance and the Russian Federation

Longitudinal analysis of post-Soviet resource frontiers (Russian Far East/forests), focusing on institutional change, environmental governance, and geopolitical dynamics.

Newell, J. P. (2004). The Russian Far East: A Reference Guide for Conservation and Development. McKinleyville, CA: Daniel & Daniel.

Newell, J. P., & Simeone, J. (2014). Russia's forests in a global economy: How consumption drives environmental change. Eurasian Geography and Economics, 55(1), 37–70.

Newell, J. P., & Henry, L. A. (2016). The state of environmental protection in the Russian Federation: A review of the post-Soviet era. Eurasian Geography and Economics, 57(6), 779–801.

Selected publications by theme; complete publication list in Appendix B.

MEDIA COVERAGE & POLICY IMPACT OF SCHOLARLY PUBLICATIONS

Developed a research-translation strategy to amplify peer-reviewed publications through press and targeted dissemination. Documented impact includes 379+ policy citations (Overton) and 1,011 news stories across 38 countries (Altmetric), with coverage in major outlets including The New York Times, The Washington Post, Bloomberg, Reuters, NPR, BBC News, National Geographic, TIME, CNN, Scientific American, and The Guardian. Twelve publications have Altmetric scores >100, placing them among the most widely engaged research outputs tracked by Altmetric.
See Appendix C for media coverage, policy citations, and engagement metrics of scholarly publications.

MENTORSHIP & CAREER PLACEMENT

Mentorship across doctoral, postdoctoral/research scientist, master's, and undergraduate levels with strong placement outcomes. Chair for 7 completed PhDs; supervised 5 postdoctoral scholars/research scientists; mentored 25+ master's and 20+ undergraduate researchers. Outcomes include ***seven tenure-track faculty placements (R1/international)*** and leadership roles in applied research and sustainability.

Selected Doctoral Placements (Chair)

- Sara Meerow (PhD, 2017) — Associate Professor of Geography, University of Colorado Boulder
- Joshua Cousins (PhD, 2016) — Associate Professor, SUNY ESF.

- Oh Seok Kim (PhD, 2013) — Associate Professor, Korea University.
- Jason Hawes (PhD, 2024) — Assistant Professor, University of Wyoming.
- Calli VanderWilde (PhD, 2023) — Director, Deforestation, Ceres, Inc.
- Sanaz Chamanara (PhD, 2022) — Sustainability Scientist, Microsoft Corporation.

Selected Postdoctoral & Research Scientist Placements

- Benjamin Paul Goldstein (2018–2020) — Assistant Professor, University of Michigan.
- Benjamin Leffel (2021–2023) — Assistant Professor, University of Nevada, Las Vegas.
- Alec Foster (2016–2018) — Associate Professor, Illinois State University.
- Dimitrios Gounaridis (2019–Present) — Assistant Research Scientist, University of Michigan.
- Brandon Finn (2022–Present) — Assistant Research Scientist, University of Michigan.

Selected Master's Placements

- Timothy Johnson (2020) — Lead MuleSoft Engineer, Zoom.
- Jesse Vega-Perkins (2022) — Environmental Consultant, Ramboll.
- Samuel "Sam" Limerick (2023) — Principal Data Scientist, Metropolitan Council (Twin Cities).
- Zhenzhen "Zee" Zhang (2017) — Infrastructure Finance & Climate Risk, Danovo Energy Solutions.

See Appendix D: Teaching, Mentorship, and Career Placement for complete details.

TEACHING & CURRICULAR INNOVATION

Pedagogical Leadership & Program Building

Co-founded the UM Sustainability Minor (est. 2012), designing the interdisciplinary curriculum and governance structure.
Lead instructor, 207 Sustainability and Society, integrating students from 18+ majors.
Co-PI, Transforming Sustainability Education & Case-Based Teaching ($1.6M, 2015–2019) within a 17-faculty effort to expand case-based learning.
Led redesign of the Environmental Assessment graduate core (160+ students) to a modular, faculty-led model.
Faculty lead, SEAS–Urban Planning dual degree, developing advising and program infrastructure.
Faculty mentor, Michigan University-wide Sustainability and Environment (MUSE) initiative.

Selected Courses

University of Michigan (2011–present)

EAS 501: Sustainability and Supply Chains (Graduate) — Fall 2025. Traceability/certification, corporate power, tech disruption, GHG accounting.
Environ 207: Sustainability and Society (Undergraduate) — W 2012–2014; F 2014–2023; F 2025. Foundational Sustainability Minor core (~75 students); Golden Apple nomination.
EAS 537: Urban Sustainability — F 2014–2016; F 2020–2023. Industrial/urban/political ecology; spatial analysis; field modules (Detroit).
NRE 580 Environmental Assessment (Graduate Core) — W 2011–2013. Directed largest required MS course (to 169 students); implemented faculty-led modular format.

University of Southern California (2008–2010)

Sustainability Science and Society (Undergraduate); Sustainable Cities (Graduate); Research Methods in Geography (Graduate); Food, Fashion and Furniture: Commodities in the Global Economy (Graduate).

Master's Project Advising (Client-engaged capstones; selected)

- 2022–2023 — Scaling-up Agriculture in Los Angeles for Equity and Sustainability.
- 2012–2013 — Green Infrastructure Analysis, Design, and Application in Detroit's Lower East Side.
- 2012–2013 — Michigan Green Communities Challenge.

- 2011–2012 — Sustainable Huron-Clinton Metroparks.

Complete teaching history and Master's Project advising are documented in Appendix D: Teaching, Mentorship, and Career Placement.

SERVICE & ACADEMIC GOVERNANCE

Institutional Governance & Faculty Affairs

School- and program-level governance, faculty affairs, curriculum oversight, and academic hiring.

Governance: Elected member, SEAS Executive Committee (two terms); elected member, PiTE Executive Committee; member, SEAS Curriculum Council (curricular policy; student recruitment).

Faculty affairs: Chair, SEAS promotion & tenure and faculty review committees (assigned cases).

Hiring: Search Chair (four searches), including Michigan Sea Grant Director and coupled natural–human systems; committee member for additional tenure-track, research scientist, and leadership searches.

External Professional & Scholarly Service

Professional-society leadership, editorial service, and invited evaluation activities.

Professional societies: Chair, Human Dimensions of Global Change Specialty Group (AAG); founding board member, Life Cycle Sustainability Assessment Section, International Society for Industrial Ecology.

Editorial & peer review: Editorial board service and invited manuscript review across geography, planning, industrial ecology, and environmental science.

Grant & faculty evaluation: Invited reviewer/panelist for U.S. federal agencies and international funders; external promotion & tenure reviewer (incl. USC, UCLA, others).

Complete service record is documented in Appendix F: Service & Professional Contributions.

ADDITIONAL INFORMATION

Foreign Languages

Intermediate proficiency in Japanese and Russian.

Professional Memberships

Association of American Geographers; International Society for Industrial Ecology; American Geophysical Union; Ecological Society of America.

APPENDIX A: SPONSORED RESEARCH PROJECTS AND GRANTS

*Total sponsored funding: **$22,077,926**.*
*Extramural: **$19,430,464** (**$3,281,682** as PI; **$16,148,782** as Co-PI/Senior Personnel)*
*intramural (U. Michigan): **$2,647,462** (**$710,713** as PI; **$1,936,749** as Co-PI).*

A1. Extramural Sponsored Projects

#	Duration	Amount	Role	Project Title, Agency & Investigators
21	2024–2026	$220,000	PI	Assessing Blue Gentrification in Michigan's Coastal Communities *Michigan Sea Grant (NOAA)* PI: J.P. Newell (U. Michigan)
20	2024–2026	$400,000	PI	Geospatial Analytics to Enhance Water Security *Office of Naval Research, Dept. of Defense* PI: J.P. Newell (U. Michigan)
19	2024–2026	$200,000	Co-PI	Life Cycle Assessment of EV Batteries *Ford Motor Company,* PI: G. Keoleian (U. Michigan); Co-PI: J.P. Newell (U. Michigan)
18	2021–2025	$1,200,000	Co-PI	Launching the SEAS Sustainability Clinic in Detroit *Kresge Foundation,* PI: P. Mohai (U. Michigan); Co-PIs: J.P. Newell (U. Michigan) and nine faculty investigators
17	2020–2024	$17,995	PI	DDRI: Environmental Justice in Beef Supply Chains *The National Science Foundation,* PI: J.P. Newell (Advisor)
16	2018–2023	$2,000,000 *(UM: $399k)*	PI	Belmont Forum: The FEW-Meter (Urban Agriculture & Metabolism) *The National Science Foundation,* Five PIs in five countries. U.S. PI: J.P. Newell (U. Michigan)
15	2016–2021	$499,000	Co-PI	INFEWS: Integrated Systems Modeling of FEW Nexus *National Science Foundation (NSF),* PI: Ming Xu (U. Michigan); Co-PIs: J.P. Newell, S. Miller, J. Johnson, N. Love (All U. Michigan)
14	2018–2023	$313,049	PI	The Sustainability Hoofprint of Cities: A Spatial Model *The National Science Foundation,* PI: J.P. Newell (U. Michigan); Co-PI: Jennifer Schmidt (U. Minnesota)
13	2015–2022	$12,000,000 *(UM: $750k)*	Sr. Personnel	SRN: Integrated Urban Infrastructure Solutions *The National Science Foundation,* PIs: A. Ramaswami, P.J. Culligan, Y. Fan, B.S. Orlove, A.G. Russell. Senior Personnel: J.P. Newell (U. Mich), R. Felock, B. Bakshi, K. Kockelman, D. Zimmerle, N. Botchwey
12	2018–2021	$140,000	PI	Expanding Green Infrastructure (Env. Justice & Climate Change) *USDA NIFA,* PI: J.P. Newell (U. Michigan); Co-PIs: Robert Goodspeed, Richard Rood, D. Gounaridis (All U. Michigan)
11	2018–2019	$100,000	Co-PI	Planning Grant: ERC for Cyber-Enabled Public Services *The National Science Foundation*, PI: N. Love (U. Michigan); Co-PIs: J.P. Newell (U. Michigan), M. Arabi (Colorado State)
10	2016–2018	$50,400	PI	Global Scholar Award: Environmental Governance of Wood Chains *Fulbright Scholar Program*, PI: J.P. Newell
9	2015–2016	$69,242	PI	Workshop: Scaling Up Urban Agriculture *The National Science Foundation*, PI: J.P. Newell (U. Michigan); Co-PIs: A. Ramaswami (U. Minn), J. Vandermeer (U. Mich), G. Daigger (U. Mich), N. McClintock (Portland State)
8	2020–2022	$15,996	Advisor	DDRI: Perspectives on Stormwater Management *The National Science Foundation*, PI: J.P. Newell (Advisor); Student: J.

				Cousins (U. Michigan)
7	2014–2016	$319,000	Co-PI	Water Scarcity Risk for Global Trade Network *The National Science Foundation (NSF)*, PI: M. Xu (U. Michigan); Co-PI: J.P. Newell (U. Michigan)
6	2014–2016	$55,000	PI	Urban Forest Ecosystems as Equitable Green Infrastructure *USDA NIFA,* PI: J.P. Newell (U. Michigan)
5	2012–2015	$60,000	Co-PI	Comprehensive Planning for Resilient Communities in Michigan *Kresge Foundation*, PI: R. Norton (U. Michigan); Co-PIs: J.P. Newell, L. Larsen (U. Michigan)
4	2012–2015	$997,000	Co-PI	Forested Land-Cover Change in Northern Eurasia *NASA*, PI: K. Bergen (U. Michigan); Co-PIs: J.P. Newell, D. Brown (U. Mich), H. Shugart (U. Virginia), T. Loboda (U. Maryland)
3	2010–2012	$217,117	Co-PI	Water Supply Scarcity in Southern California *Haynes Foundation*, PI: H. Blanco (USC); Co-PI: J.P. Newell (U. Michigan)
2	2008–2011	$500,000	Sr. Personnel	Cities and Climate Change *HSBC Bank*, PI: G. Guiliano (USC); Senior Personnel: J.P. Newell (USC)
1	2008–2009	$56,665	Co-PI	Chinese Coated Paper Supply Chain Analysis *Clean Agency*, PI: R. Vos (USC); Co-PI: J.P. Newell (USC)

A2. Intramural Grants

#	Duration	Amount	Role	Project Title, Agency & Investigators
26	2026–2028	$200,000	PI	Global Supply Chain Intelligence Institute (Seed Grant) *Office of VP for Research (OVPR),* PI: J.P. Newell; Co-Is: Ten faculty from four UM units
25	2025–2027	$50,000	PI	SAGE: A Scalable GeoAI Framework for Lithium Mines *MIDAS,* PI: J.P. Newell; Co-PIs: D. Gounaridis, P. Dhillon (U. Michigan)
24	2023–2024	$75,000	PI	Critical Minerals for Electric Vehicles and Decarbonization *BOOST Program (OVPR),* PI: J.P. Newell; Co-PIs: K. Whyte, R. Hardin, A. Simon, A. Steffanopolu, B. Finn (All U. Michigan)
23	2022–2024	$70,000	PI	Mapping Community Vulnerability to Climate Change *SEAS Sustainability Themes Grant,* PI: J.P. Newell; Co-PIs: M. O'Neill, C. Gronlund (U. Michigan)
22	2021–2022	$70,000	PI	Geospatial Data Science to Identify Vulnerable Communities *MIDAS,* PI: J.P. Newell; Co-PIs: M. O'Neill, C. Gronlund (U. Michigan)
21	2021–2022	$10,000	Co-PI	Urban Water Quality Management (Catalyst Grant) *Graham Sustainability Institute,* PI: R. Wang; Co-PIs: J.P. Newell, R. Goodspeed, B. Kerkez, Y. Chen (All U. Michigan)
20	2019–2020	$6,000	PI	Sustainability and Society Workshop (MUSE) *Rackham Graduate School,* PI: J.P. Newell
19	2018–2019	$6,000	PI	Sustainability Interdisciplinary Workshop (MUSE) *Rackham Graduate School,* PI: J.P. Newell
18	2018–2019	$10,000	Co-PI	A Green Energy Village in Detroit's Eastern Market *Graham Sustainability Institute,* PI: P. Draus (UM-Dearborn); Co-PIs: J.P. Newell, J. Roddy, K. Bai. Partners: Eastern Market; CAN Art Handworks
17	2015–2019	$1,595,749	Co-PI	Transforming Sustainability Education *Rackham Graduate School (Third Century)* PI: Arun Agrawal; Co-PIs: J.P. Newell and 17 faculty investigators

16	2015–2016	$60,000	Co-PI	Uncovering the FEW Nexus for Urban Sustainability *Mcubed (UM),* PIs: M. Xu, J.P. Newell, G. Daigger
15	2017–2018	$6,000	PI	MUSE Workshop *Rackham Graduate School,* PI: J.P. Newell
14	2016–2017	$6,000	PI	MUSE Workshop *Rackham Graduate School,* PI: J.P. Newell
13	2015–2016	$5,760	PI	MUSE Workshop *Rackham Graduate School,* PI: J.P. Newell
12	2014–2015	$6,000	PI	MUSE Workshop *Rackham Graduate School,* PI: J.P. Newell
11	2014–2015	$25,612	PI	Tokyo's Urban Metabolism *Center for Japanese Studies,* PI: J.P. Newell
10	2013–2014	$60,000	Co-PI	Innovatively Planning for Technological Innovation *Mcubed (UM),* PIs: J.P. Newell, N. Love, R. Norton
9	2012–2014	$200,000	Co-PI	Integrated Energy-Economy-Environment (3E) Modeling *UM / Shanghai Jiao Tong University,* PI: M. Xu; Co-PIs: J.P. Newell, S. Miller
8	2012–2013	$3,000	PI	On the Trail of the Global Russian Pine Tree *Weiser Center,* PI: J.P. Newell
7	2012–2013	$29,000	Co-PI	Advancing the Science of Infrastructure Ecology *SNRE,* PI: M. Xu; Co-PI: J.P. Newell
6	2012	$6,000	PI	Sustainable Urban Metabolism Research Platform *Rackham Graduate School,* PI: J.P. Newell
5	2011–2012	$20,000	Co-PI	Infrastructure Greening within Detroit *Graham Sustainability Institute,* PI: J. Kelly; Co-PIs: J.P. Newell, M. Xu
4	2011–2012	$20,000	PI	Research Roadmap for Urban Sustainability *SNRE,* PI: J.P. Newell; Co-PI: M. Xu
3	2010–2011	$12,000	Co-PI	Comparative Urban-Scale GHG Inventories *U.S.- China Institute (USC),* PI: H. Blanco; Co-PI: J.P. Newell (USC)
2	2009–2010	$89,341	PI	Moving Containers Efficiently with Less Impact *METRANS / Dept. of Transportation (USC),* PI: J.P. Newell; Co-PI: M. Rahimi (USC)
1	2008	$6,000	PI	The Greening of Paper *Center for Effective Organizations (USC),* PI: J.P. Newell

APPENDIX B: PUBLICATIONS

*(Italics = Student Mentee; * = Postdoc Advisee)*

B1. Journal Articles

#	Year	Citation
66	2026	Hawes, J.K.*, Gounaridis, D., Newell, J.P., Goldstein, B.P., Caputo, S., Cohen, N., Fargue-Lelièvre, A., Poniży, L., and Specht, K. Assessing the potential to scale-up urban agriculture in the Global North. *Landscape and Urban Planning*. 272, 105657.
65	2025	Goldstein, B.P.*, Pelton, R., Gounaridis, D.*, Schmitt, J., Springer N., and Newell, J.P. The carbon hoofprint of cities is shaped by geography and production in the livestock supply chain. *Nature Climate Change*. 15 (1190-1197).
64	2025	*Chamanara, S.*, Gounaridis, D.*, Goldstein, B.* and Newell, J.P. Geography of animal feeding operations and their contribution to fine particulate matter pollution in vulnerable communities in the United States. *Communications Earth & Environment*. 6(1), 620.
63	2024	Goldstein, B.P.*, Gounaridis, D.*, Newell, J.P., Pelton, R., and Schmitt, J. Do we accurately measure what we consume? *Environmental Research Letters*. 19(8), 084006.
62	2024	Gounaridis, D.*, *Waweru, W.*, and Newell, J.P. Triple exposure: The geographic correlation between flooding risk, climate skepticism, and social vulnerability in the United States. *Environmental Research Letters*. 19(1), 114084.
61	2024	*Finn, B., Simon, A., and Newell, J.P. Decarbonization and social justice: The case for artisanal and small-scale mining. *Energy Research & Social Science*. 117, 103733.
60	2024	*Leffel, B., Lyon, T.P., and Newell, J.P. Filling the climate governance gap: Do corporate decarbonization initiatives matter as much as state and local government policy? *Energy Research & Social Science*. 109, 103376.
59	2024	*Gounaridis, D. and Newell, J.P. The social anatomy of climate change denial in the United States. *Scientific Reports*. 14(1), 2097.
58	2024	*Hawes, J.*, Goldstein, B.*, Newell, J.P., Dorr E., Caputo, S., Fox-Kamper, R., Grard, B., Ilieva, R., Fargue-Lelievre, A., Ponizy, L., Schoen, V., Specht, K., Cohen, N. Comparing the carbon footprints of urban and conventional agriculture. *Nature Cities*. 1-10.
57	2024	Qiu, J., Zhengfei, G., Chang N. Wardropper, C., Baggio, J., Campbell, C., Kohl, P. Hui Z., Kohl, P., Newell, J.P., and Wu, J. Scale-up urban agriculture as a transformative change to advance social-ecological resilience and sustainability. *Nature Food*. 2024: 1-2.
56	2023	*Limerick, S.*, *Hawes, J.*, Cohen, N., and Newell, J.P. Community gardens and the 15-minute city: Scenario analysis of garden access in New York City. *Urban Forestry and Urban Greening*. 89, 2023, 128107.
55	2023	*VanderWilde, C.*, Newell, J.P., *Gounaridis, D., and Goldstein, B. Deforestation, certification, and transnational palm oil supply chains: Linking Guatemala to global consumer markets. *Journal of Environmental Management* 344, 118505.
54	2023	*Chamanara, S.*, Goldstein, B. P.*, & Newell, J. P. Power asymmetries in supply chains and implications for environmental governance: a study of the beef industry. *Supply Chain Management: An International Journal*.
53	2023	*Vega-Perkins, J.*, Newell, J.P., and Keoleian, G. Mapping electric vehicle impacts: Greenhouse gas emissions, fuel costs, and energy justice in the United States. *Environmental Research Letters*, 18:1: 014207.
52	2023	Dorr, E., *Hawes, J.*, Goldstein B.*, Fargu-Lelievre, A., Fox-Kamper, R., Specht, K., Federiczak, K., Caputo, S., Cohen, N., Ponzy, L., Schoen, V., Gorecki, T., Newell, J.P., Jean-Soro, L., and Gard, B. Food production and resource use of urban farms and gardens: A five-country study. *Agronomy for Sustainable Development*, 43:1: 18.

51 2022 Illieva, R.T., Cohen, N., Israel, M. Specht, K. Fox-Kamper, R., Fargue-Lelievre, A., Ponizy, L., Schoen, V., Caputo, S. Kirby, C., Goldstein, B.*, Newell, J.P., and Blythe, C. The socio-cultural benefits of urban agriculture: A review of the literature. *Land*. 11:5:622.

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46 2022 Goldstein, B.*, Reames, T., and Newell, J.P. Racial inequality in household energy efficiency and carbon emissions in the United States: An emissions paradox. *Energy Research and Social Science*. 84: 102365.

45 2021 Liu, M., Yang, J., Gounaridis, D.*, Guan, D., Bim J., and Newell, J.P. Perceptions of climate change in China: Evidence from surveys of residents in six cities. *Earth's Future*. Vol. 9, Issue 12.

44 2021 Goodspeed, R., Gounaridis D.*, Liu, R., Lizundia, C., and Newell, J.P. A regional spatial planning model for multifunctional green infrastructure. *Environment and Planning B: Urban Analytics and City Science*.

43 2021 *Vanderwilde, C.* and Newell, J.P. Ecosystem services and life cycle assessment: A bibliometric review. *Resources, Conservation, and Recycling*, 169: 105461.

42 2021 Caputo, S., Schoen, V., Specht, K., Grard, B., Blythe, C., Cohen, N., Fox-Kämper, R., *Hawes, J.*, Newell, J.P., and Poniży, L. Applying the food-energy-water nexus approach to urban agriculture: From FEW to FEWP (Food-Energy-Water-People). *Urban Forestry and Urban Greening*, 58: 126934.

41 2021 Cho, K., Goldstein, B.*, Gounaridis, D.*, and Newell, J.P. Where does your guacamole come from? Detecting deforestation associated with the export of avocados from Mexico to the United States. *Journal of Environmental Management*, 278:1: 111482.

40 2021 *Chamanara, S.*, Goldstein, B.*, and Newell, J.P. Where is the beef? Costco's supply chain and environmental justice in California. *Journal of Cleaner Production*, 278: 123744.

39 2020 Gounaridis, G.*, Newell, J.P., and Goodspeed, R. The impact of urban sprawl on forest landscapes of southeast Michigan, 1985–2015. *Landscape Ecology*, 35: 1973–1993.

38 2020 Goldstein, B.*, Gounaridis, D.*, and Newell, J.P. The carbon footprint of household energy use in the United States. *Proceedings of the National Academy of Sciences (PNAS)*, 117 (32) 19122–19130.

37 2020 Bergen, K.M., Loboda, T., Newell, J.P., Kharuk, V., Hitztaler, S., Sun, G., Johnson, T., Hoffman-Hall, A., Ouyang, W., Park K., Fort, C., and Gargulinski, E. Long-term trends in anthropogenic land use in Siberia and the Russian Far East: A case study synthesis from Landsat. *Environmental Research Letters*, 15: 10.

36 2020 Newell, J.P. and Ramaswami, A. Urban food-energy-water systems: Past, current, and future research trajectories. *Environmental Research Letters*, 15: 0520.

35 2020 Goldstein, B.*, and Newell, J.P. How to track corporations across space and time. *Ecological Economics* 1069: 106492.

34 2019 *Meerow, S.*, and Newell, J.P. Urban resilience for whom, what, when, where, and why? *Urban Geography*, 40 (3): 309–329.

33 2019 Goldstein, B.*, and Newell, J.P. Why academics should study the supply chains of individual corporations. *Journal of Industrial Ecology*, 23(6): 1316–1327.

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26 2017 *Kim, O.*, Nugent, J.B., Yi, Z., Newell, J.P., and Curtis, A. J. A mixed application of geographically weighted regression and unsupervised classification for analyzing latex yield variability in Yunnan, China. *Forests*, 8(5): 162.

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24 2017 Newell, J.P. and Henry, L. The state of environmental protection in the Russian Federation: A review of the post-Soviet era. *Eurasian Geography and Economics*, 57(6): 779– 801.

23 2017 *Meerow, S.*, and Newell, J.P. Spatial planning for multifunctional green infrastructure: Growing resilience in Detroit. *Landscape and Urban Planning*, 159: 62–75.

22 2016 *Meerow, S.*, Newell, J.P., and Stultz, M. Defining urban resilience: A review. *Landscape and Urban Planning*, 147: 38–49.

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19 2015 *Fang, A.*, Newell, J.P., and *Cousins, J.* The energy and emissions footprint of water supply for southern California. *Environmental Research Letters*, 10(11): 1–11.

18 2015 Pandit, A., Minne, E.A., Li, F., Brown, H., Jeong, H., James, J.C., Newell, J.P., Weissburg, M., Change, M.E., Xu, M., Yang, P., Wang, R., Thomas, V.M., Yu, X., Lu, Z., and Crittenden, J.C. Infrastructure ecology: An evolving paradigm for sustainable urban development. *Journal of Cleaner Production*, 163: 519–520.

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1 1996 Newell, J.P., and Wilson, E. The Russian Far East: Foreign direct investment and environmental destruction. *Ecologist*, 26(2): 68–72.

B2. Books

#	Year	Citation
2	2004	Newell, J.P. *The Russian Far East: A Reference Guide for Conservation and Development*. McKinleyville, CA: Daniel & Daniel. 466 pages.
1	1996	Newell, J.P., and Wilson, E. *The Russian Far East: Forests, Biodiversity Hotspots, and Industrial Development*. Tokyo: Friends of the Earth Japan. 204 pages.

B3. Book Chapters

#	Year	Citation
6	2021	*Meerow, S.*, and Newell, J.P. Urban resilience for whom, what, when, where, and why? In *Geographical Perspectives on Urban Sustainability*. New York: Routledge. (Refereed)
5	2019	*Cousins, J.J.*, and Newell, J.P., Urban political ecologies of and in the city, In *Handbook of Urban Geography*, eds. T. Schwanen and R. van Kempen, 33–46. Cheltenham, UK: Edward Elgar. (Refereed)
4	2015	*Lee, K.*, Newell, J.P., Wolch, J.R., and Joassart-Marcelli, P. Cows, climate, and the media. In *Political Ecologies of Meat*, eds. J. Emel and H. Neo, 195–216. New York: Routledge. (Refereed)
3	2014	Keoleian, G., Newell, J.P., Xu, M., and Dreps, E. Sustainability strategies for consumer products in cities. In *Elgar Companion to Sustainable Cities: Strategies, Methods and Outlooks*, eds. D. Mazmanian and H. Blanco, 86–115. Cheltenham, UK: Edward Elgar.
2	2007	Newell, J.P. A sustainable development future? In *Kamchatka: A Journal and Guide to Russia's Land of Ice and Fire*, ed. D. Gleadhill, 274–285. Hong Kong: Odyssey.
1	2006	Newell, J.P. Timber in the Russian Far East and potential transborder conflict. In *Russian Business Power: The Role of Russian Business in Foreign and Security Relations*, eds. A. Wenger, J. Perovi, and R. Orttung,

239–259. New York: Routledge. (Refereed)

B4. Reports

#	Year	Citation
14	2025	Gounaridis, D.* and Newell, J.P. Remote sensing approaches for freshwater assessment in islands of the Indo-Pacific region. University of Michigan. 48 pages.
13	2025	Greenspan, I., Sachs, C., Gounaridis, D.*, Gronewold, A., and Newell J.P. An inventory of in-situ groundwater data for islands in the Pacific. University of Michigan. 50 pages.
12	2018	Byrne, J., Newell, J.P., and Wolch, J. Foreword. In *Just Green Enough: Urban Development and Environmental Gentrification*, ed. Winifred Curran and Trina Hamilton. New York: Routledge.
11	2016	*Meerow, S.*, and Newell, J.P. What does it mean for a city to be resilient? *Urbanization and Global Environmental Change Viewpoints* (blog).
10	2016	Daigger, G., Newell, J.P., Love, N., McClintock, N., Gardiner, M., Mohareb, E., Horst, M., Blesh, J., and Ramaswami, A. Scaling up agriculture in city-regions to mitigate FEW system impacts. Ann Arbor, MI: School of Natural Resources and Environment, Department of Civil and Environmental Engineering, University of Michigan. 68 pages.
9	2012	Blanco, H., Newell, J.P., Stott, L., and Alberti, M. Water supply scarcity in Southern California: Assessing water district level strategies. Los Angeles: Center for Sustainable Cities, Price School of Public Policy, University of Southern California. 80 pages.
8	2010	Vos. R. O., and Newell, J.P. Dematerialization. In *Green Business: An A–Z Guide*, ed. Paul Robbins, Nevin Cohen, and Geoffrey J. Golson. Thousand Oaks, CA: SAGE.
7	2010	Newell, J.P., and Dixon, M. Norilsk. In *Green Cities: An A–Z Guide*, ed. Nevin Cohen and Paul Robbins. Thousand Oaks, CA.: SAGE.
6	2010	Newell, J.P., Smatkov, N., Shuvaev, Y. Keep it legal: Best practices for keeping illegally harvested timber out of your supply chain. A country guide for Russia. Moscow: WWF Russia. 100 pages.
5	2009	Vos, R., and Newell, J.P. A comparative analysis of carbon dioxide emissions in coated paper production: Key differences between China and the U.S. Los Angeles: USC Center for Sustainable Cities. 51 pages.
4	2008	Cassidy, A., Newell, J.P., and Wolch, J. Transforming alleys into green infrastructure for Los Angeles. Los Angeles: USC Center for Sustainable Cities. 55 pages.
3	2008	Newell J.P., and R. Vos. Environmental Analysis of Coated Paper Supply Chains: United States and China. Los Angeles, CA: USC Center for Sustainable Cities. 33 pages.
2	2008	Newell, J.P., and Kuru, G. Legal verification systems for wood supply between Russia and China. Gland, Switzerland: WWF International. 78 pages.
1	2007	Newell, J.P., Sister, C., Wolch, J., Swift, J., Ghaemi, P., Wilson, J., and Longcore, T. Creating parks and open space: Using the Green Vision Planning Toolkit 1.0. Los Angeles: University of Southern California GIS Research Laboratory and Center for Sustainable Cities. 60 pages.

B5. Refereed Conference Proceedings

#	Year	Citation
17	2025	Gounaridis, D.*, Dhillon, P., and Newell, J.P. SAGE: A scalable GEOAI Framework for Zero-Shot Mapping of Lithium Mines. *American Geophysical Union Annual Conference*.
16	2024	Newell, J.P. Ecosystem system services and disservices associated with scaling-up urban agriculture. *Ecological Society of America Annual Conference*.
15	2023	Reich, P., Pelligrini, A. Chen, X., Newell, J.P., Dee L., Agrawal, A., and Grace, K. Interactions among climate change, biodiversity, carbon sequestration, and social justice; Getting it right is essential. *American Geophysical Union Annual Conference*.

14 2023 *Hawes, J.K.*, Gounaridis, D.*, Newell, J.P. Evaluating sustainability, resilience, and justice tradeoffs. *American Geophysical Union Annual Conference*.

13 2022 *Hawes, J.K.*, Newell, J.P., Goldstein, B.G.*, Gounaridis, D.*, *Limerick, S.* Spatial metabolism modeling of sustainability, resilience, and justice tradeoffs. *American Geophysical Union Annual Conference*.

12 2022 *Hawes, J.K.*, Gounaridis, D.*, Goldstein, B.J.*, Newell, J.P. Spatial metabolism enables more just, sustainable urban agriculture. *Industrial Ecology Gordon Research Conference*, Maine.

11 2018 Goldstein, B.J.*, and Newell, J.P. Firm-centered approaches to industrial ecology, *Gordon Research Conference on Industrial Ecology*. Les Diatribes, Switzerland.

10 2017 Liang, S., Qu, S., Daigger, G., Newell, J.P., and Xu, M. Quantifying Detroit's urban food-energy-water (FEW) nexus. *9th International Society for Industrial Ecology Biennial Conference*. Chicago, IL.

9 2015 *Meerow, S.*, and Newell, J.P. Resilience and complexity: A bibliometric review and prospects for industrial ecology. *8th International Society for Industrial Ecology Biennial Conference*. University of Surrey, United Kingdom.

8 2015 Newell, J.P. Globalized urban commodity teleconnections: Using big data to track corporate actors across time-space. *8th International Society for Industrial Ecology Biennial Conference*. University of Surrey, United Kingdom.

7 2015 Newell, J.P., and *Cousins, J.* Developing a political-industrial ecology: The case of Los Angeles's water supply metabolism. *8th International Society for Industrial Ecology Biennial Conference*. University of Surrey, United Kingdom.

6 2013 Newell, J.P. and *Cousins, J.* Transdisciplinary pathways for urban metabolism research. *7th International Society for Industrial Ecology Biennial Conference*. University of Ulsan, Korea.

5 2013 Pandit, A., Bras, B., Minne, E.A., Dunham-Jones, E., Augenbroe, G., Jeong, H., James, J.-A.C., Newell, J.P., Weissburg, M., Brown, M.A., Chang, M.E., Xu, M., Begovic, M.M., Yang, P., Fujimoto, R.A., French, S.P., Thomas, V.M., Yu, X., Chen, Y., Lu, Z., and Crittenden, J.C. Infrastructure ecology: An evolving paradigm for sustainable urban redevelopment. *World Engineers Summit*. Singapore.

4 2012 Willard, J., Garfinkle, J., *Fang, A.*, and Newell, J.P. The energy and emissions burden of water: A spatially explicit life cycle assessment of urban water consumption in southern California. *Proceedings of the 2012 IEEE International Symposium on Sustainable Systems and Technology*. Boston, MA.

3 2011 Xu, M. and Newell, J.P. Infrastructure ecology: A conceptual model for understanding urban sustainability. *6th International Society for Industrial Ecology Conference*. Berkeley, CA.

2 2011 Vos, R.O. and Newell, J.P. Geographical delimitation for carbon footprint modeling in the global paper industry. *6th International Society for Industrial Ecology Conference*. Berkeley, CA.

1 2008 Madachy, R., Haas, B., Bradbury-Huang, H., Newell, J.P., Rahimi, M., Vos R.O., and Wolch, J. Achieving sustainable development in southern California: Collaborative learning through systems dynamics modeling. *Proceedings of the 2008 International Council on Systems Engineering*.

APPENDIX C: MEDIA COVERAGE & POLICY IMPACT OF SELECTED PUBLICATIONS

Engagement Indicators: News Outlets: Unique publishers (e.g., NYT, Guardian) featuring the work.
Policy Citations: Citations in government, NGO, and IGO documents (*Sources: Overton, Altmetric*).

Year	Impact Metrics	Article & Journal
2020	Altmetric: 1885 News: 210 Outlets Policy: 28 citations *Top 5% Overall*	The carbon footprint of household energy use in the United States (*PNAS*) *Featured in: The New York Times, TIME, National Geographic, USA Today, The Washington Post, CNN, Forbes, Salon, The Guardian.* *Policy Impact: Cited by the US Senate & House Committees, OECD, Brookings Institution, NBER, and the State of California.*
2024	Altmetric: 1132 News: 109 Outlets Policy: 8 citations *Top 5% Overall*	Comparing the carbon footprints of urban and conventional agriculture (*Nature Cities*) *Featured in: Bloomberg, Forbes, Reuters, The Guardian, NPR, Scientific American, La Repubblica (Italy), RTVE (Spain).* *Policy Impact: Cited by the UN Food and Agriculture Organization (FAO), Stockholm Environment Institute, and International Growth Centre.*
2023	Altmetric: 742 News: 91 Outlets Policy: 5 citations *Top 5% Overall*	Mapping electric vehicle impacts: Greenhouse gas emissions, fuel costs, and energy justice in the United States (*Environmental Research Letters*) *Featured in: CNBC, Axios, Brookings, NBC4, Telemundo, Washington Examiner, Popular Science, Anthropocene Magazine.* *Policy Impact: Cited by the Federal Reserve Bank, Joint Research Centre (EU), and Brookings Institution.*
2014	Altmetric: 418 Policy: 130 citations News: 38 Outlets *Top 5% Overall*	"Just green enough": Urban green space, public health, and environmental justice (*Landscape and Urban Planning*) *Featured in: The Conversation, SFGate, Houston Chronicle, Next City, Yahoo! News.* *Policy Impact: A foundational text for anti-gentrification planning. Cited by UN Environment Programme (10 docs), OECD, CDC, European Union, and City of Austin.*
2025	Altmetric: 639 News: 86 Mentions *Top 5% Overall*	The carbon hoofprint of cities is shaped by geography and production in the livestock supply chain (*Nature Climate Change*) *Featured in: The Washington Post, Bloomberg, ABC News, Scientific American, Earth.com.*
2016	Altmetric: 135 Policy: 84 citations News: 11 Outlets *Top 5% Overall*	Defining urban resilience: A review (*Landscape and Urban Planning*) *Policy Impact: Cited in the UN IPCC Sixth Assessment Report (AR6). Adopted by World Bank, Asian Development Bank, European Union, and State of California (6 docs).*
2024	Altmetric: 609 News: 36 Outlets Policy: 4 citations *Top 5% Overall*	The social anatomy of climate change denial in the United States (*Scientific Reports*) *Featured in: The Guardian, Scientific American, Newsweek, USNews.com, Voice of America.* *Policy Impact: Cited in the OECD Regulatory Policy Outlook 2025 and by New Climate Institute.*
2025	Altmetric: 209 News: 25 Outlets *Top 5% Overall*	Geography of animal feeding operations and their contribution to fine particulate matter pollution in vulnerable communities (*Communications Earth & Environment*) *Featured in: Los Angeles Times, The Daily Mail (UK), Inside Climate News, The Hill, Yahoo! News.*
2022	Altmetric: 186 Policy: 10	Racial inequality in household energy efficiency and carbon emissions in the United States (*Energy Research & Social Science*)

	citations News: 19 Outlets *Top 5% Overall*	*Featured in: Scientific American, Michigan Radio.* *Policy Impact: Cited by the CDC, Oxfam GB (Climate Equality Report), Urban Institute, and State of Maryland.*
2024	Altmetric: 107 News: 13 Outlets *Top 5% Overall*	Scale up urban agriculture to leverage transformative food systems change (*Nature Food*) *Featured in: BBC News, Globo (Brazil), EurekAlert!, Innovation News Network.*
2016	Altmetric: 88 Policy: 26 citations News: 6 Outlets	Urban resilience for whom, what, when, where, and why? (*Urban Geography*) *Policy Impact: Cited by UN FAO, State of Vermont, Government of Spain, World Meteorological Organization, and Urban Institute.*
2023	Altmetric: 169 News: 19 Outlets Policy: 2 citations	Food production and resource use of urban farms and gardens: A five-country study (*Agronomy for Sustainable Development*) *Featured in: Wired, Fast Company, Science Alert, The Conversation, Yahoo! News.*
2015	Altmetric: 148 News: 17 Outlets Policy: 4 citations	The energy and emissions footprint of water supply for southern California (*Environmental Research Letters*) *Featured in: Los Angeles Times, KPCC (NPR).* *Policy Impact: Cited by State of California agencies (Legislative Analyst's Office) and City of Los Angeles.*

APPENDIX D: TEACHING, MENTORSHIP AND CAREER PLACEMENT

MENTORSHIP AND CAREER PLACEMENT

D1. Doctoral Supervision

Dissertations Chaired

#	Year	Student	Dissertation Title	Placement / Chair
9	2028	Chandler Sachs	In Progress	—
8	2028	Charlotte Sedlock *(Co-Chair w/ B. Goldstein)*	In Progress	—
7	2024	Jason Hawes	Rethinking Hybrid Infrastructures through Urban Metabolism: The Case of Urban Agriculture	Assistant Professor, University of Wyoming
6	2023	Calli VanderWilde	Embeddedness and Environmental Governance of Palm Oil Supply Chains *Awards: UM Rackham Predoctoral Fellowship (2022)*	Director, Deforestation, CERES, Inc.
5	2022	Sanaz Chamanara	Environmental Justice and Governance of Beef Supply Chain *Awards: Dow Sustainability Fellowship; NSF DDRIG*	Scientist, Microsoft Corporation
4	2019	K. Arthur Endsley *(Co-Chair w/ D. Brown)*	Neighborhood Change and Urban Ecosystems *Awards: UM Rackham Predoctoral Fellowship*	Research Scientist, University of Montana
3	2017	Sara Meerow	The Contested Nature of Urban Resilience: Meaning and Models for Green Infrastructure *Awards: ProQuest Distinguished Dissertation Award*	Assoc. Professor, Univ. of Colorado Boulder
2	2016	Joshua Cousins	Capturing Flow: Stormwater Governance and Water Resource Development	Assoc. Professor, SUNY-ESF
1	2013	Oh Seok Kim (USC)	A Spatially Explicit Approach to Measuring Carbon Dynamics	Assoc. Professor, Korea University

Committee Memberships

4	2023	Bu Zhao	Machine Learning Approaches for Estimating Air Pollutant Distribution	Chair: Ming Xu
3	2017	Benjamin Goldstein	Assessing the Edible City: Environmental Implications of Urban Agriculture	Chair: Morten Birkved
2	2016	Scott Kalafatis	Colleagues, Competitors, Creators: City Governance Amongst Peers	Chair: Maria Carmen Lemos
1	2016	Lucy Kim	Disproportionate Impacts of Hazardous Waste Facilities in Los Angeles County	Chair: Dorceta Taylor

D2. Postdoctoral Research Associates & Research Scientists

#	Year	Name	Current Placement
5	2022–Pres.	Brandon Finn	Assistant Research Scientist, SEAS, Univ. of Michigan
4	2021–2023	Benjamin Leffel	Assistant Professor, School of Public Policy and Leadership, UNLV
3	2019–Pres.	Dimitrios Gounaridis	Assistant Research Scientist, SEAS, Univ. of Michigan
2	2018–2020	Benjamin Goldstein	Assistant Professor, SEAS, Univ. of Michigan

1	2016–2018	Alec Foster	Assistant Professor, Dept. of Geography, Illinois State University

D3. MS Student Mentorship and Career Placement

Theses Chaired & Advised

Year	Student	Thesis Title	Current Placement
2023	Samuel "Sam" Limerick	Community gardens and the 15-minute city: Scenario analysis of garden access in New York City	Principal Data Scientist, Metropolitan Council (Twin Cities)
2022	Jesse Vega-Perkins *(Co-Chair)*	Deploying electric vehicles to decarbonize and reduce energy burdens	Environmental Consultant, Ramboll
2022	Wanja Waweru	Investigating the social vulnerability of flood prone areas	GIS Program Coordinator, The Polis Center (IU Indianapolis)
2020	Kimin Cho	The environmental impacts of the U.S.-Mexico avocado supply chain	PhD Candidate, Univ. of Hawai'i at Mānoa
2018	Tawechote Wongbuphanimitr	Green Infrastructure and Life Cycle Assessment	Social Impact Manager, The AES Corporation
2017	Zhenzhen "Zee" Zhang	Enhancing landscape connectivity in Detroit through multifunctional green corridor modeling	Infrastructure Finance & Climate Risk, Danovo Energy Solutions
2017	Ye (Agnes) Li	Urban Green Space	Consultant, Boston Consulting Group
2014	Yu Feng *(Committee)*	Finding critical intermediate demand and final consumption of Russian wood	—
2014	José Solís	Green economy plan for the city of Houston	Independent Consultant (Buffalo Bayou Partnership)
2014	Timothy Johnson *(Co-Chair)*	Improvements in Landsat land-cover change results using time series classifications...	Lead MuleSoft Engineer, Zoom
2013	Kwangkeun Park *(Co-Chair)*	A spatial-temporal analysis (1975–2009) of the timber industry in the Russian Far East and Siberia	—

Research Mentorship

2016	Brandon List	—	Campus Planner, Michigan State Univ.
2016	Dana Wall	—	Senior Project Director, Street Plans
2014	Paul Winters	—	Director of Public Affairs, Clean Fuels Alliance America
2014	Katie O'Gara	—	Program Manager, Climate & Nature Finance, CLUA
2013	Andrew Fang	—	Senior Energy & Climate Specialist, DC DOEE
2013	Anne Shishkovsky Milne	—	Community Planner, CUPPAD (Michigan)
2012	Jordan Garfinkle	—	Director of Government Affairs, Bloom Energy

D4. Undergraduate Research Supervision

#	Year	Student	Project Title
14	2022–2023	Natalie Dwortz *(UROP)*	—
13	2022–2023	Kate Jarecke *(UROP)*	—
12	2022–2023	Ella Hook *(UROP)*	—
11	2022–2023	Xinyi Zhang *(UROP)*	—
10	2019–2020	Jianella Macalino *(PiTE)*	Sustainability Hoofprint of Cities
9	2019–2020	Lydia Whitbeck *(PiTE)*	Sustainability Hoofprint of Cities
8	2016–2017	Dominique Witten *(LSA / UROP)*	Footpaths and Urban Gardens in Detroit, 2016–2017
7	2015	Hannah Lee *(PiTE)*	The Auto Industry and the Greening of the Vehicle Life Cycle
6	2014	Bradford Gowland *(PiTE)*	Solar Renewable Energy Credits
5	2013–2014	Garrett Anderson *(LSA / UROP)*	Mapping Detroit's Hidden Geographies
4	2013–2014	Jacob Shapiro *(LSA / UROP)*	Mapping Detroit's Hidden Geographies
3	2013	Jasmine Omeke *(Harvard U / SROP)*	Mapping Detroit's Hidden Geographies
2	2013	Phoebe Barghouty *(PiTE)*	The Efficacy of Media Advocacy on Pro-Environmental Policy
1	2011	Jennifer M. Buison *(LSA)*	Fulbright Award Application (Awarded)

TEACHING

D5. Graduate Courses - University of Michigan

Term	Course	Students	Instr. Eval (5.0)
Fall 2025	EAS 501: Sustainability and Supply Chains	20	4.90
Fall 2023	EAS 537: Urban Sustainability	25	—
Fall 2022	EAS 537: Urban Sustainability	25	—
Fall 2021	EAS 537: Urban Sustainability	20	—
Fall 2020	EAS 537: Urban Sustainability	20	4.80
Fall 2016	EAS 537: Urban Sustainability	16	4.95
Fall 2015	NRE 501.037: Urban Sustainability	17	4.70
Fall 2014	NRE 501.037: Urban Sustainability	21	4.70
Win 2013	NRE 580: Environmental Assessment	157	—
Win 2012	NRE 580: Environmental Assessment	143	—
Win 2011	NRE 580: Environmental Assessment	169	—

D6. Undergraduate Courses – University of Michigan

Term	Course	Students	Instr. Eval (5.0)
Fall 2025	ENVIRON 207: Sustainability and Society	75	4.90
Fall 2023	ENVIRON 207: Sustainability and Society	75	—
Fall 2022	ENVIRON 207: Sustainability and Society	75	—
Fall 2021	ENVIRON 207: Sustainability and Society	75	—

Fall 2020	ENVIRON 207: Sustainability and Society	75	4.60
Fall 2019	ENVIRON 207: Sustainability and Society	80	4.50
Fall 2018	ENVIRON 207: Sustainability and Society	78	4.60
Fall 2016	ENVIRON 207: Sustainability and Society	78	4.59
Fall 2015	ENVIRON 207: Sustainability and Society	75	4.73
Fall 2014	ENVIRON 207: Sustainability and Society	75	4.72
Win 2014	ENVIRON 207: Sustainability and Society	45	4.82
Win 2013	ENVIRON 207: Sustainability and Society	50	4.81
Win 2012	ENVIRON 207: Sustainability and Society	51	4.71

D7. Graduate Courses - University of Southern California

Term	Course	Students	Instr. Eval (5.0)
Spr 2009	GEOG 599: Research Methods in Geography *(Co-taught with Curtis, Wilson, and Wolch)*	8	—
Fall 2008	GEOG 601: Sustainable Cities *(Co-taught with Robert Vos)*	18	—
Sum 2007	Liberal Studies 571: Food, Fashion and Furniture: Commodities in the Global Economy	12	—

D8. Undergraduate Courses – University of Southern California

Term	Course	Students	Instr. Eval (5.0)
Spr 2010	GEOG 101: Sustainability Science and Society	121	—

APPENDIX E: SCHOLARLY PRESENTATIONS

(Sole presenter unless otherwise noted)

E1. Invited Presentations

#	Year	Event / Location
33	2023	SDG Nexus Network Seminar Series. Justus Liebig University. Giessen, Germany. May 18.
32	2022	University of Regensburg. Regensburg, Germany. May 3.
31	2021	Urban Metabolism Workshop. Leibniz-WissenschaftsCampus ReForm. Germany. July 15.
30	2019	Urban Sustainability. Tsinghua University, Beijing, China. August 10.
29	2019	Water Management and quality in the San Juan Metropolitan Area. University of Puerto Rico, San Juan. May 3.
28	2017	Global Environment Outreach Center. United Nations University, Tokyo, Japan. November 8.
27	2017	Northeast Forestry University. Harbin, China. July 20.
26	2017	Department of Human Ecology. Rutgers University, New Brunswick, NJ. February 3.
25	2016	Gordon Research Conference on Industrial Ecology. Stowe, VT. June 23.
24	2016	Research Institute for Humanity and Nature. Kyoto, Japan. April 14.
23	2015	School of Sustainability Seminar Series. Arizona State University, Tempe, AZ. April 12.
22	2015	Five Thousand Pound Life: Water Symposium. The Architectural League of New York and Cooper Union Institute for Sustainable Design, New York, NY. February 7.
21	2014	CUAHSI Biennial Colloquium on Water Science and Engineering. Shepherdstown, WV. July 28.
20	2014	Detroit Future City. Detroit, MI. July 7.
19	2014	NASA Land-Cover/Land-Use Change Program Annual Meeting. Rockville, MD. April 23.
18	2013	Regional Studies Association North American Conference. Los Angeles, CA. December 17.
17	2013	NASA Land-Cover/Land-Use Change Program Annual Meeting. Rockville, MD. April 2.
16	2013	University of California-Berkeley. February 14.
15	2012	NASA Land-Cover/Land-Use Change Program Annual Meeting. Rockville, MD. April 3.
14	2011	American Geophysical Union Annual Meeting. San Francisco, CA. December 8.
13	2010	Tsinghua University. Beijing, China. September 19.
12	2009	USC Energy Institute Annual Retreat. University of Southern California, La Canada Flintridge, CA. November 13.
11	2009	3rd METRANS National Urban Freight Conference. Long Beach, CA. October 21.
10	2008	World Ports Climate Initiative Symposium. International Association of Ports and Harbors, Los Angeles, CA. November 25.
9	2008	One Earth, One Dream Conference. Endangered Planet Foundation, Laguna Beach, CA. October 4.
8	2008	China Customs Conference. Chinese State Customs Administration, Harbin, China. July 8.
7	2008	China Customs Conference. Chinese State Customs Administration, Harbin, China. July 7.
6	2008	Seminar Series. Hunter College, New York, NY. May 2.
5	2008	Developing Markets for Certified Forest Products for China. China State Forest Administration, Chinese Academy of Forestry, WWF, Rainforest Alliance, The Nature Conservancy. Beijing, China. April 2–3.
4	2006	Center for Russian, East European, and Eurasian Studies. University of Texas - Austin. October 16.
3	2006	Beijing Forestry University. Beijing, China. April 12.
2	2004	Russia in Asia—Asia in Russia: Energy, Economics, and Regional Relations. Kennan Institute, Woodrow Wilson International Center for Scholars, Washington, DC. July 22–23.

1 2004 Center for Security Studies. Swiss Federal Institute of Technology, Zürich, Switzerland. June 23–24.

E2. Sessions Organized or Chaired

#	Year	Session Title / Role / Event
19	2024	"Steering Urban Agriculture as Nature-Based Solutions to Advance Social-Ecological Resilience and Sustainability." Session Organizers: Jiangxiao Qiu (Florida) and J.P. Newell (UM). *Ecological Society of America Annual Conference*. August 8.
18	2022	"Environmental Justice Dimensions of Production Networks, Value Chains, and Commodities [I, II, III]." Paper session organizers: B. Goldstein (McGill), S. Chamanara (UCSB), and J.P. Newell (UM). *American Association of Geographers Annual Meeting*. February 27. Three sessions.
17	2021	"The Corporation [I, II, III]." Paper session organizers: B. Goldstein (UM), S. Chamanara (UM), and J.P. Newell (UM). *American Association of Geographers Annual Meeting*. April 7. Three sessions.
16	2019	"Cities, Mobility, and the Built Environment." SEAS Theme Lightning Talks. Organizers: R. Goodspeed (Taubman, UM) and J.P. Newell (SEAS, UM). *University of Michigan*. February 27.
15	2017	"Theories and Methods of Political-Industrial Ecology." Workshop organizers: J.P. Newell, J. Baka, and J. Cousins. *9th International Society for Industrial Ecology Biennial Conference*. June 25. Chicago, IL.
14	2016	"Green Infrastructure: Theory and Practice [I, II, III]." Paper session organizers: J.P. Newell (UM) and S. Meerow (UM*). American Association of Geographers 2016 Annual Meeting*. San Francisco, CA. March 29. Three sessions.
13	2016	"Towards a Political-Industrial Ecology [I, II, III, IV]." Paper session organizers: J. Baka (LSE); J. Cousins (UM); J.P. Newell (UM). American Association of Geographers 2016 Annual Meeting. San Francisco, CA. March 31. Four sessions.
12	2015	"FEW Workshop: 'Scaling Up' Urban Agriculture to Mitigate Food-Energy-Water Impacts." NSF-Funded Workshop. Workshop organizers: J.P. Newell (PI) (UM), Nancy Love (UM), Glen Daigger (UM). University of Michigan, Ann Arbor, MI. October 5–6.
11	2015	"Can We Achieve Sustainability in a Capitalist System?" SNRE Doctoral Students' Speaker Event. Panel organizer and chair: J.P. Newell (UM). Panelists: P. Robbins (U. Wisconsin-Madison); A. Agrawal (UM); A. Hoffman (UM); S. Moore (U. Wisconsin- Madison). University of Michigan. October 1.
10	2015	"Theorizing Political-Industrial Ecology." Panel organizer and chair: J.P. Newell (UM). Association of American Geographers 2015 Annual Meeting. Chicago, IL. April 21.
9	2015	"Geographies of Resilience [I, II, III]." Presentation organizers: J.P. Newell (UM), S. Meerow (UM), E. Boyd (Lund). Association of American Geographers 2015 Annual Meeting. Chicago, IL. April 21. Three sessions.
8	2014	"Urban Natures: Infrastructure, Ecology, and the 'Resilient' City [I, II, III]." Presentation organizers: J.P. Newell (UM), J. Cousins (UM), G. Simon (U. Colorado-Denver). Association of American Geographers 2014 Annual Meeting. Tampa, FL. April 12. Three sessions.
7	2014	"Understanding Resilience." Presentation organizers: J.P. Newell (UM), S. Meerow (UM). Association of American Geographers 2014 Annual Meeting. Tampa, FL. April 10.
6	2014	"The Rise of Environmental Interdisciplinarity: Articulating Space for Human- Environment Geography." Panel organizers: J.P. Newell (UM), G. Simon (U. Colorado-Denver). Association of American Geographers 2014 Annual Meeting. Tampa, FL. April 10.
5	2013	"Sustainable and Resilient Urban Infrastructure for the Next 100 Years." Presentation organizer: J.P. Newell (UM). Sustainable Systems Forum. U Michigan, Ann Arbor, MI. November 8.
4	2013	"Social Science in Life Cycle Assessment." Session Chair: J.P. Newell (UM). 7th International Society for Industrial Ecology Biennial Conference. University of Ulsan, Korea. June 27.
3	2013	"Revisiting Theories of Urban Metabolism." Presentation organizer: J.P. Newell (UM). Association of

American Geographers 2013 Annual Meeting. Los Angeles, CA. April 13.

2 2013 "The World in 2050: Four Forces Shaping our Northern Future." Presentation organizer, chair, and introducer: J.P. Newell (UM). Keynote: Larry C. Smith (UCLA). Association of American Geographers 2013 Annual Meeting. Los Angeles, CA. April 10.

1 2010 "Creating Unruly Specialty Groups." Organizer and Panelist: J.P. Newell (UM). Association of American 2010 Annual Meeting. Washington, DC. April 4.

E3. Conference Paper, Panel, and Poster Presentations

#	Year	Presentation Details
47	2025	"The first mile problem in supply chains." Oral presentation. *National Sustainability Society Annual Meeting*. *National Sustainability Society Annual Meeting*. South Bend, IN. October 20. South Bend, IN. October 20.
46	2025	"Just sustainability transitions in cities." Panelist. *National Sustainability Society Annual Meeting*. South Bend, IN. October 21.
45	2023	Hawes, J.K., Gounaridis, D., Goldstein, B., and Newell, J.P. Spatial metabolism of urban agriculture. *American Association of Geographers (AAG) Annual Meeting*. March 2023, Denver, CO. Oral research presentation.
44	2022	"Understanding the multi-dimensional effects of urban agriculture at the city scale: A study of the US and Europe." J. Hawes, D. Gounaridis, B. Goldstein, and J.P. Newell. *American Association of Geographers 2022 Annual Meeting*. March 1 (virtual conference).
43	2022	"Using geospatial data science to identify vulnerable communities to climate change." D. Gounaridis and J.P. Newell. *American Association of Geographers 2022 Annual Meeting*. March 1 (virtual conference).
42	2022	"Taking stock of Human Dimensions of Global Change II." Panelist. *American Association of Geographers 2022 Annual Meeting*.
41	2021	"Why academics need to study the architecture of corporations." J.P. Newell. *American Association of Geographers 2021 Annual Meeting*. April 7 (virtual conference).
40	2021	"Costco's supply chain and environmental justice in California." S. Chamanara, B. Goldstein, and J.P. Newell. *American Association of Geographers 2021 Annual Meeting*. April 7 (virtual).
39	2021	"Deforestation associated with supply chains exporting avocados from Mexico to the United States." K. Cho, D. Gounaridis, and J.P. Newell. *American Association of Geographers 2021 Annual Meeting*. April 7 (virtual).
38	2021	"Rubber and risk: Deforestation related to the export of natural rubber from Sri Lanka." B. Goldstein, J.P. Newell, K. Cho, and D. Gounaridis. *American Association of Geographers 2021 Annual Meeting*. April 7 (virtual).
37	2021	"How thirty years of sprawl in southeast Michigan has affected farmland and forests." J.P. Newell. *American Association of Geographers 2021 Annual Meeting*. April 7. (virtual).
36	2021	"Spatial planning for decentralized infrastructure: The case of urban agriculture." J. Hawes and J.P. Newell. *American Association of Geographers 2021 Annual Meeting*. April 7 (virtual).
35	2019	"Exploring prospective pathways to scale up urban agriculture: The case of the Detroit region." D. Gounaridis and J.P. Newell. *American Association of Geographers 2019 Annual Meeting*. Washington, DC. April 7.
34	2019	"How does the urban relate to the elsewhere?" S. Chamanara and J.P. Newell. *American Association of Geographers 2019 Annual Meeting*. Washington, DC. April 7.
33	2019	"Linking urban and rural by tracking corporate actors across space and time." B. Goldstein and J.P. Newell. *American Association of Geographers 2019 Annual Meeting*. Washington, DC. April 7.
32	2019	"Revealing supply chains to increase sustainability and reduce risk." B. Goldstein and J.P. Newell. *MUSE Conference 2019*. Ann Arbor, MI. February 22.

31 2018 "An integrative model to measure and improve urban agriculture: Shifting it towards circular urban metabolism," with L. Ponizy, R. Fox-Kämper, S. Caputo, N. Cohen, J.P. Newell, B. Grard, L. Jean-Soro, K. Specht. Poster Presentation in San Sebastian, Spain. October 11.

30 2018 "Firm-centered approaches to industrial ecology: The case of Lalan Rubbers Ltd. and Sri Lankan Deforestation," with B. Goldstein. Poster Presentation, *2018 Gordon Research Conference on Industrial Ecology*, Les Diablerets, Switzerland. May 21–25.

29 2018 "Flattened Scale beyond the Second World." Panelist: J.P. Newell. *Association of American Geographers 2018 Annual Meeting*, New Orleans, LA. April 13.

28 2018 "Public Engagement and the Study of Eurasia." Panelist: J.P. Newell. *Association of American Geographers 2018 Annual Meeting*, New Orleans, LA. April 11.

27 2016 "Methodological Approaches in Political-Industrial Ecology," *Association of American Geographers 2016 Annual Meeting*. San Francisco, CA. March 31.

26 2015 "LCLU Synthesis: Forested Land-Cover and Land-Use Change in the Far East and the East Siberia of Northern Eurasia under the Combined Drivers of Climate and Socio- Economic Transformation," with K. Bergen, T. Loboda, H. Shugart, J.P. Newell, J. Shuman, D. Brown, G. Sun, S. Hitztaler, W. Poon and A. Hall. Poster presentation at the *NASA Carbon Cycle and Ecosystems Joint Science Workshop 2015*, College Park, MD. April 20.

25 2015 "Globalized Urban Commodity Teleconnections: Tracking Corporate Actors across Time- Space." *Association of American Geographers 2015 Annual Meeting*, Chicago, IL. April 21.

24 2015 "Globalized Urban Commodity Teleconnections: Using Big Data to Track Corporate Actors across Time-Space." *Political Ecology Working Group's Dimensions of Political Ecology Conference*, University of Kentucky, Lexington, KY. February 27.

23 2015 "Just Green Enough III: 'Just Green Enough' and Beyond Wrap-Up Panel." Discussant: J.P. Newell. *Association of American Geographers 2015 Annual Meeting*, Chicago, IL. April 21.

22 2015 "Geographic Perspectives on Urban Sustainability." Panelist: J.P. Newell. *Association of American Geographers 2015 Annual Meeting*, Chicago, IL. April 21.

21 2014 "Extending Urban Metabolism through a Political-Industrial Ecology of Water Supply Infrastructure for Los Angeles," with J. Cousins. *2nd International Urbanization and Global Environmental Change: Urban Transitions and Transformations Conference*, Taipei, Taiwan. November 6–8.

20 2014 "Towards a Metabolism of the Urban Ecosystem," with J. Cousins. Poster Presentation at the *2014 Gordon Research Conference on Industrial Ecology*, Lucca (Barga), Italy. June 2–5.

19 2014 "Mapping Detroit's Hidden Social Geographies," with G. Anderson, J. Shapiro, and M. Borgman. Poster Presentation at *UROP Program Symposium*, University of Michigan, Ann Arbor, MI. April 23.

18 2014 "Synthesis of Long-Term Datasets and Trends and Variation of Landscape LCLUC Across the Russian Far East and Central Siberia," with K. Bergen, T. Loboda, G. Sun, O. Krankina, Y. Blam, L. Cui, J. Estrada, A. Hall, S. Hitztaler, T. Johnson, K. Park, Y. Wang, Y.C. Wang, and X. Wen. Presentation at *NASA Land-Cover/Land-Use Change Program Annual Meeting*, Rockville, MD. April 23.

17 2014 "Theories of Urban Metabolism and Prospects for Interdisciplinary Scholarship," with J. Cousins. *Association of American Geographers 2014 Annual Meeting*, Tampa, FL. April 12.

16 2013 "Innovatively Planning for Technological Innovation: Water, Infrastructure, and Sustainability," with N. Love, and R. Norton. Poster Presentation at *MCubed Symposium: The Case for the Cube: How Real-time Seed Funding Grows Innovation*, University of Michigan, Ann Arbor, MI. November 15.

15 2013 "Mapping Detroit's Hidden Social Geographies," with J. Omeke, and M. Borgman. Poster Presentation at *Summer Research Opportunity Program (SROP) Symposium*, University of Michigan, Ann Arbor, MI. July 25.

14 2013 "Transdisciplinary Pathways for Urban Metabolism Research," with J. Cousins. Poster Presentation at *7th International Society for Industrial Ecology Biennial Conference*, University of Ulsan, Korea. June 25.

13 2013 "Transdisciplinary Pathways for Urban Metabolism Research," with J. Cousins. *Association of American Geographers 2013 Annual Meeting*, Los Angeles, CA. April 13.

12 2011 "Infrastructure Ecology: A Conceptual Model for Understanding Urban Sustainability," with M. Xu. *6th International Society for Industrial Ecology Conference*, Berkeley, CA. June 7–10.

11 2011 "Geographical Delimitation for Carbon Footprint Modeling in the Global Paper Industry," with R.O. Vos. *6th International Society for Industrial Ecology Conference*, Berkeley, CA. June 7–10.

10 2011 "The Forgotten and the Future: Reclaiming Back Alleys for a Sustainable City." *American Association of Geographers Annual Meeting*, Seattle, WA. April 12.

9 2011 "Twenty-Plus Years of Transformation: Reflections on "Post"-Socialism across Eurasia." Panelist: J.P. Newell. *American Association of Geographers Annual Meeting*, Seattle, WA. April 12.

8 2010 "Papering over Space and Place: Fuzzy Accounting and Flat Geographies in Carbon Footprints." *American Association of Geographers Annual Meeting*, Washington, DC. April 4.

7 2009 "Corporate Power, Consumption, and Governance along the Russian Timber Trail." *American Association of Geographers Annual Meeting*, Las Vegas, NV. March 23.

6 2009 "Factors Predicting the Capacity of Los Angeles City-Region Recreation Programs to Promote Energy Expenditure," with K. Reynolds, N. Dahmann, J. Wolch, P. Joassart-Marcelli, G. Dunton, and M. Jerrett. Poster Presentation at *Robert Wood Johnson Active Living Research Conference*, San Diego, CA. February 19.

5 2007 "Furniture, Self-Certification, and the Consumer Imaginary: Sourcing IKEA's Wood Supply in Siberia." *American Association of Geographers Annual Meeting*, San Francisco, CA. April 19.

4 2005 "Consumption and Power Relations in Wood Commodity Networks." *American Association of Geographers Annual Meeting*, Denver, CO. April 6.

3 2004 "The Same Old Story: Tensions between Environment and Economy in the Post-Soviet Far East." *American Association for the Advancement of Slavic Studies Annual Meeting*, Boston, MA. December 4–7.

2 2004 "Environment-Economic Linkages in Eastern Russia." *American Association for the Advancement of Science (AAAS) – Arctic Division Annual Meeting*, Anchorage, AK. September 29.

1 2004 "The Russian Far East: A Resource Cursed Region?" *The 10th British Universities Siberian Studies Seminar (BUSS): A Multidisciplinary International Conference*, University of Houston, Houston, TX. April 7– 11.

E4. University of Michigan / University of Southern California Campus Talks

#	Year	Talk Title / Event

17 2022 "Using Geospatial data science to identify vulnerable communities to climate change." Michigan Institute for Data Science (MIDAS) PODS Research Showcase. *University of Michigan*. March 23.

16 2020 "Landscapes and Logging in the Russian Far East." With K. Bergen. Center for Russian, East European, and Eurasian Studies, *University of Michigan*. Noon Lecture. March 12.

15 2019 "What If Smart Cities Are Not So Smart?" SEAS Lightning Talk. *University of Michigan*. February 27.

14 2019 "Revealing Supply Chains to Increase Sustainability and Reduce Risk." B. Goldstein and J.P. Newell. Center for Sustainable Systems External Advisory Board Meeting. Ann Arbor, MI. March 15.

13 2018 "When Are Smart Cities Not So Smart?" Shaping Future Cities Symposium. *University of Michigan*. November 9.

12 2015 "Studying Politics at Michigan." *Misfit Politics Conference*, *University of Michigan*. April 10.

11 2013 "Civic Engagement, Activism, and the Environment." SNRE Faculty and Alumni Panel Discussion, *University of Michigan*. April 16.

10 2013 "Water, Infrastructure, and Sustainability." CSS External Advisory Board Meeting, *University of Michigan*. March 11.

9 2012 "China's Urban Ecological Shadow? Contextualizing Resource Flows from Russia's Forests." Noon Lecture, Center for Russian, East European, and Eurasian Studies, *University of Michigan*. March 7.

8 2011 "Urban Form, Resource Flows, and Equity Issues in a Sustainable City." *Annual Meeting of Center for Sustainable Systems*, *University of Michigan*, March 16.

7 2010 "Urbanization in China: Challenges, Trends, and Opportunities." *Michigan-China Clean Tech Conference*, *University of Michigan*. December 10.

6 2010 "How I Became an Urbanist." *Sustainable Systems Alive Seminar*, *University of Michigan*. December 9.

5 2010 "Urban-Scale Greenhouse Gas Inventories: What Goes in and What Stays Out?" *Erb Institute for Sustainable Enterprise Colloquium*, *University of Michigan*. October 25.

4 2010 "Water-Energy-Climate Nexus: Implications for Energy Policy." *USC Water Retreat*, *University of Southern California*. April 2.

3 2010 "Carbon Footprints and the Shaping of Public Policy." *METRANS and Center for Sustainable Cities Seminar*, *University of Southern California*. March 11.

2 2009 "The 'Greenness' of Trade: Commodities in the Global Economy." *University of Southern California Reunion Weekend '09*, *University of Southern California*. October 23.

1 2009 "What Do We Mean by 'Green' and for Whom? *Cities and Climate Change: A Solutions-Oriented Conference*, *University of Southern California*. April 30.

APPENDIX F: PROFESSIONAL SERVICE

F1. University / School Service and Governance (Internal)

Year	Role	Committee / Activity
Academic Program Leadership		
2021–22; 2025–	Coordinator	Sustainable Systems Specialization, SEAS
2011–Present	Coordinator	SEAS Urban Planning Dual Degree Program
2010–Present	Core Faculty	Center for Sustainable Systems (CSS)
2010–2011	Co-Author	Undergraduate Sustainability Minor (Founding Document)
Governance & Committees (SEAS / SNRE / PiTE)		
2023–2025	Elected Member	PiTE Executive Committee
2018–21; 2022–24	Elected Member	SEAS Executive Committee (Two Terms)
2022–Present	Member	SEAS Space Committee
2022	Member	SEAS Online Education Committee
2022	Member	SEAS PhD Working Group
2019–2020	Member	SEAS PhD Development Committee
2019	Member	SEAS Website Committee
2016–2017	Core Member	SNRE Faculty Transition Team (Reimagining School as SEAS)
2016–2017	Member	PhD Admissions Committee
2013	Member	Review Task Force: NRE 580 Core Curriculum
2012	Member	Review Task Force: PiTE
2010–2015	Member	PiTE Advisory Committee
2010–2011	Faculty	SNRE Orientation at UM Biological Station
Faculty Hiring & Recruitment		
2025–2026	Member	Search Committees (2): Research Professor
2025	Chair	Search Committee: Research Scientist
2024	Member	Search Committee: Research Scientist
2022	Chair	Search Committee: Sea Grant Director
2019–2020	Member	Search Committee: Sustainable Energy Systems
2018–2019	Chair	Search Committee: Spatial Science of Coupled Natural–Human Systems
2016	Chair	Search Committee: Research Professor (SNRE)
2014–2015	Member	Search Committee: Integrated Assessment
2011–Present	Contributor	Future Faculty Hire Proposals (Various Fields)
2011	Co-Author	Cluster Hire Proposals: Sustainable Urban Water; Water Resources
Promotion Tenure & Review		
2026	Chair	SEAS Faculty Selection Committee (confidential)
2023-2024	Chair	SEAS Promotion & Tenure Review Committee
2022	Chair	SEAS Select Committee: Promotion & Tenure Review
2017–2018	Chair	SEAS Select Committee: 3-Year Faculty Review
Faculty Mentoring		
2021–2025	Mentor	Junior Faculty Mentoring: Tony Reames (SEAS), Parth Vaishnav

Fellowship & Student Selection

2015	Reviewer	Dow PhD Sustainability Fellowships (Graham Institute)
2014–2015	Member	Master's Project Selection Committee
2013–2014	Sponsor	UROP & SROP Research Sponsor
2011	Reviewer	PiTE Graduate Student Instructor (GSI) Selection
2010	Member	Doris Duke Fellowship Selection Committee
2010	Member	Wyss Scholar Fellowship Selection Committee

F2. Professional Service, Editorial Leadership, and External Evaluation (External)

Year	Role	Organization / Activity
Editorships & Editorial Boards		
2018–2020	Guest Editor	Environmental Research Letters: Special Issue on Urban Food-Energy-Water Nexus
2017–2019	Guest Editor	Geoforum: Special Issue on Political-Industrial Ecology
2013–Present	Board Member	International Review for Spatial Planning and Sustainable Development
Professional Society Leadership		
2012–2014	Chair	Human Dimensions of Global Change Specialty Group, AAG
2011–2015	Board Member	Life Cycle Sustainability Assessment Section, ISIE (Founding Member)
2010–2015	Treasurer	Russia, Central Eurasia, & Eastern Europe Specialty Group, AAG (Board Member 2010–11)
2010–2013	Treasurer	Energy and Environment Specialty Group, AAG
Grant & Agency Review		
2026	Reviewer	University of Michigan: MIDAS PODS Grants; DOE Critical Minerals & Materials Accelerator (OVPR limited-submission, Topic Area 3)
Various	Panelist	NSF: Sustainable Regional Systems
Various	Reviewer	NSF Programs: Geography & Spatial Science; LTER; Environmental Biology (CAREER); CBET
Various	Reviewer	Funding Agencies: EPA (STAR Program); European Research Council (ERC); EU HERA
Various	Reviewer	University of Michigan: Dow Fellows Doctoral Program
Tenure & Promotion Review		
Recent	External Reviewer	Universities: University of Alabama (Geography); University of Southern California (Spatial Science); University of California–Los Angeles (Urban Planning); Georgia State University (Public Policy); Boise State University (Economics); University of Victoria, BC (Engineering); Arizona State University (Sustainability); Temple University (Geography); Tsinghua University
Publication Review (Journal and Reports)		
Various	Reviewer	Reports: U.S. National Climate Assessment; Urban Climate Assessment Report
Various	Reviewer	Publishers: Routledge
Various	Reviewer	Top Journals (Selected): *Nature, Science, Nature Climate Change, Environmental Science & Technology, Global Environmental Change, Energy Policy, Landscape and Urban Planning, Environmental Research Letters, Journal of Industrial Ecology, Transactions of the British Institute of Geographers, Annals of the Association of American Geographers, Journal of Transport Geography, Landscape Ecology, Energies, Environment and Planning E, Environment and Planning D, Antipode, Geoforum, Transactions in*

GIS, International Journal of Water Resources Development, Eurasian Geography and Economics, Journal of Urban Affairs, Action Research.