

# Kate A Brauman

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/6271197/kate-a-brauman-publications-by-citations.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

57  
papers

9,724  
citations

30  
h-index

67  
g-index

67  
ext. papers

12,124  
ext. citations

9.7  
avg, IF

5.7  
L-index

#	Paper	IF	Citations
57	Solutions for a cultivated planet. <i>Nature</i> , <b>2011</b> , 478, 337-42	50.4	4351
56	Assessing nature's contributions to people. <i>Science</i> , <b>2018</b> , 359, 270-272	33.3	1034
55	The Nature and Value of Ecosystem Services: An Overview Highlighting Hydrologic Services. <i>Annual Review of Environment and Resources</i> , <b>2007</b> , 32, 67-98	17.2	793
54	Pervasive human-driven decline of life on Earth points to the need for transformative change. <i>Science</i> , <b>2019</b> , 366,	33.3	563
53	Leverage points for improving global food security and the environment. <i>Science</i> , <b>2014</b> , 345, 325-8	33.3	420
52	Linking water quality and well-being for improved assessment and valuation of ecosystem services. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 18619-24	11.5	291
51	Greenhouse gas emissions intensity of global croplands. <i>Nature Climate Change</i> , <b>2017</b> , 7, 63-68	21.4	229
50	Distilling the role of ecosystem services in the Sustainable Development Goals. <i>Ecosystem Services</i> , <b>2018</b> , 29, 70-82	6.1	185
49	Social-ecological and technological factors moderate the value of urban nature. <i>Nature Sustainability</i> , <b>2019</b> , 2, 29-38	22.1	163
48	Rethinking Agricultural Trade Relationships in an Era of Globalization. <i>BioScience</i> , <b>2015</b> , 65, 275-289	5.7	142
47	Improvements in crop water productivity increase water sustainability and food security—global analysis. <i>Environmental Research Letters</i> , <b>2013</b> , 8, 024030	6.2	141
46	Global modeling of nature's contributions to people. <i>Science</i> , <b>2019</b> , 366, 255-258	33.3	137
45	Ecosystem services: Challenges and opportunities for hydrologic modeling to support decision making. <i>Water Resources Research</i> , <b>2014</b> , 50, 4535-4544	5.4	98
44	The added complications of climate change: understanding and managing biodiversity and ecosystems. <i>Frontiers in Ecology and the Environment</i> , <b>2013</b> , 11, 494-501	5.5	89
43	Priorities to Advance Monitoring of Ecosystem Services Using Earth Observation. <i>Trends in Ecology and Evolution</i> , <b>2017</b> , 32, 416-428	10.9	80
42	Tapped out: how can cities secure their water future?. <i>Water Policy</i> , <b>2013</b> , 15, 335-363	1.6	76
41	Water depletion: An improved metric for incorporating seasonal and dry-year water scarcity into water risk assessments. <i>Elementa</i> , <b>2014</b> , 4, 000083	3.6	74

40	Progress towards sustainable intensification in China challenged by land-use change. <i>Nature Sustainability</i> , <b>2018</b> , 1, 304-313	22.1	71
39	Hydrologic ecosystem services: linking ecohydrologic processes to human well-being in water research and watershed management. <i>Wiley Interdisciplinary Reviews: Water</i> , <b>2015</b> , 2, 345-358	5.7	62
38	Forest structure influences on rainfall partitioning and cloud interception: A comparison of native forest sites in Kona, Hawaii. <i>Agricultural and Forest Meteorology</i> , <b>2010</b> , 150, 265-275	5.8	59
37	Hydrologic Connectivity in the High-Elevation Tropics: Heterogeneous Responses to Land Change. <i>BioScience</i> , <b>2014</b> , 64, 92-104	5.7	53
36	An attainable global vision for conservation and human well-being. <i>Frontiers in Ecology and the Environment</i> , <b>2018</b> , 16, 563-570	5.5	51
35	The Water Planetary Boundary: Interrogation and Revision. <i>One Earth</i> , <b>2020</b> , 2, 223-234	8.1	43
34	Illuminating water cycle modifications and Earth system resilience in the Anthropocene. <i>Water Resources Research</i> , <b>2020</b> , 56, e2019WR024957	5.4	42
33	The persistent threat of emerging plant disease pandemics to global food security. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	41
32	Influence of watershed-climate interactions on stream temperature, sediment yield, and metabolism along a land use intensity gradient in Indonesian Borneo. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2014</b> , 119, 1110-1128	3.7	39
31	Relational values in evaluations of upstream social outcomes of watershed Payment for Ecosystem Services: a review. <i>Current Opinion in Environmental Sustainability</i> , <b>2018</b> , 35, 116-123	7.2	35
30	Ecosystem services in the Great Lakes. <i>Journal of Great Lakes Research</i> , <b>2017</b> , 43, 161-168	3	34
29	Global trends in nature's contributions to people. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 32799-32805	11.5	34
28	Frontiers in Ecosystem Ecology from a Community Perspective: The Future is Boundless and Bright. <i>Ecosystems</i> , <b>2016</b> , 19, 753-770	3.9	31
27	Managing water services in tropical regions: From land cover proxies to hydrologic fluxes. <i>Ambio</i> , <b>2015</b> , 44, 367-75	6.5	28
26	Land cover effects on groundwater recharge in the tropics: ecohydrologic mechanisms. <i>Ecohydrology</i> , <b>2012</b> , 5, 435-444	2.5	28
25	Thinking about knowing: conceptual foundations for interdisciplinary environmental research. <i>Environmental Conservation</i> , <b>2010</b> , 37, 388-397	3.3	27
24	Potential evapotranspiration from forest and pasture in the tropics: A case study in Kona, Hawaii. <i>Journal of Hydrology</i> , <b>2012</b> , 440-441, 52-61	6	24
23	Impacts of Land-Use Change on Groundwater Supply: Ecosystem Services Assessment in Kona, Hawaii. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2015</b> , 141,	2.8	21

22	Reimagining the potential of Earth observations for ecosystem service assessments. <i>Science of the Total Environment</i> , <b>2019</b> , 665, 1053-1063	10.2	20
21	Who Are we Measuring and Modeling for? Supporting Multilevel Decision-Making in Watershed Management. <i>Water Resources Research</i> , <b>2020</b> , 56, e2019WR026011	5.4	15
20	Voluntary sustainability standards could significantly reduce detrimental impacts of global agriculture. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 2130-2137	11.5	13
19	Ecosystem Services Connect Environmental Change to Human Health Outcomes. <i>EcoHealth</i> , <b>2016</b> , 13, 443-449	3.1	13
18	The value of hydrologic information for watershed management programs: The case of Camboriú, Brazil. <i>Science of the Total Environment</i> , <b>2020</b> , 705, 135871	10.2	11
17	Mapping social-ecological systems archetypes. <i>Environmental Research Letters</i> , <b>2020</b> , 15, 034017	6.2	8
16	Ecosystem Services and River Basin Management. <i>Handbook of Environmental Chemistry</i> , <b>2014</b> , 265-294	0.8	8
15	The Political Life of Natural Infrastructure: Water Funds and Alternative Histories of Payments for Ecosystem Services in Valle del Cauca, Colombia. <i>Development and Change</i> , <b>2020</b> , 51, 26-50	2.9	8
14	Water Funds <b>2019</b> , 118-140		7
13	Unique water scarcity footprints and water risks in US meat and ethanol supply chains identified via subnational commodity flows. <i>Environmental Research Letters</i> , <b>2020</b> , 15, 105018	6.2	7
12	Investments' role in ecosystem degradation-Response. <i>Science</i> , <b>2020</b> , 368, 377	33.3	4
11	Conservation needs to integrate knowledge across scales. <i>Nature Ecology and Evolution</i> , <b>2021</b> ,	12.3	4
10	Development of a regionally sensitive water-productivity indicator to identify sustainable practices for sugarcane growers. <i>Integrated Environmental Assessment and Management</i> , <b>2016</b> , 12, 811-20	2.5	3
9	Consistent results in stream hydrology across multiple watersheds: A reply to Chew and Goh. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2015</b> , 120, 812-817	3.7	3
8	Global Dam Watch: Curated data and tools for management and decision making. <i>Environmental Research: Infrastructure and Sustainability</i> ,		3
7	Producing valuable information from hydrologic models of nature-based solutions for water. <i>Integrated Environmental Assessment and Management</i> , <b>2021</b> ,	2.5	3
6	Determining the value of ecosystem services in agriculture <b>2019</b> , 60-89		1
5	Essential ecosystem service variables for monitoring progress towards sustainability. <i>Current Opinion in Environmental Sustainability</i> , <b>2022</b> , 54, 101152	7.2	1

- 4 An experiential model of drought risk and future irrigation behaviors among central Minnesota farmers. *Climatic Change*, **2022**, 171, 1 4.5 ○
- 3 Putting Suppliers on the Map: Centering Upstream Voices in Water Funds Outreach. *Journal of Contemporary Water Research and Education*, **2021**, 174, 85-105 1.2 ○
- 2 Freshwater **2016**, 374-382
- 1 Addressing water security through nature-based solutions **2021**, 37-62