Kate A Brauman

List of Publications by Year in Descending Order

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	Essential ecosystem service variables for monitoring progress towards sustainability. *Current Opinion in Environmental Sustainability*, **2022**, 54, 101152	7.2	1
56	An experiential model of drought risk and future irrigation behaviors among central Minnesota farmers. *Climatic Change*, **2022**, 171, 1	4.5	0
55	Conservation needs to integrate knowledge across scales. *Nature Ecology and Evolution*, **2021**,	12.3	4
54	The persistent threat of emerging plant disease pandemics to global food security. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	41
53	Producing valuable information from hydrologic models of nature-based solutions for water. *Integrated Environmental Assessment and Management*, **2021**,	2.5	3
52	Addressing water security through nature-based solutions **2021**, 37-62		
51	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	0
50	Global trends in nature's contributions to people. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 32799-32805	11.5	34
49	The Water Planetary Boundary: Interrogation and Revision. *One Earth*, **2020**, 2, 223-234	8.1	43
48	Mapping social-ecological systems archetypes. *Environmental Research Letters*, **2020**, 15, 034017	6.2	8
47	Who Are we Measuring and Modeling for? Supporting Multilevel Decision-Making in Watershed Management. *Water Resources Research*, **2020**, 56, e2019WR026011	5.4	15
46	Investments' role in ecosystem degradation-Response. *Science*, **2020**, 368, 377	33.3	4
45	Unique water scarcity footprints and water risks in US meat and ethanol supply chains identified via subnational commodity flows. *Environmental Research Letters*, **2020**, 15, 105018	6.2	7
44	The Political Life of Natural Infrastructure: Water Funds and Alternative Histories of Payments for Ecosystem Services in Valle del Cauca, Colombia. *Development and Change*, **2020**, 51, 26-50	2.9	8
43	Illuminating water cycle modifications and Earth system resilience in the Anthropocene. *Water Resources Research*, **2020**, 56, e2019WR024957	5.4	42
42	The value of hydrologic information for watershed management programs: The case of Camboriú Brazil. *Science of the Total Environment*, **2020**, 705, 135871	10.2	11
41	Voluntary sustainability standards could significantly reduce detrimental impacts of global agriculture. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 2130-2137	11.5	13

40	Determining the value of ecosystem services in agriculture **2019**, 60-89		1
39	Reimagining the potential of Earth observations for ecosystem service assessments. *Science of the Total Environment*, **2019**, 665, 1053-1063	10.2	20
38	Global modeling of nature's contributions to people. *Science*, **2019**, 366, 255-258	33.3	137
37	Water Funds **2019**, 118-140		7
36	Pervasive human-driven decline of life on Earth points to the need for transformative change. *Science*, **2019**, 366,	33.3	563
35	Social-ecological and technological factors moderate the value of urban nature. *Nature Sustainability*, **2019**, 2, 29-38	22.1	163
34	Assessing nature's contributions to people. *Science*, **2018**, 359, 270-272	33.3	1034
33	Progress towards sustainable intensification in China challenged by land-use change. *Nature Sustainability*, **2018**, 1, 304-313	22.1	71
32	Distilling the role of ecosystem services in the Sustainable Development Goals. *Ecosystem Services*, **2018**, 29, 70-82	6.1	185
31	Relational values in evaluations of upstream social outcomes of watershed Payment for Ecosystem Services: a review. *Current Opinion in Environmental Sustainability*, **2018**, 35, 116-123	7.2	35
30	An attainable global vision for conservation and human well-being. *Frontiers in Ecology and the Environment*, **2018**, 16, 563-570	5.5	51
29	Priorities to Advance Monitoring of Ecosystem Services Using Earth Observation. *Trends in Ecology and Evolution*, **2017**, 32, 416-428	10.9	80
28	Ecosystem services in the Great Lakes. *Journal of Great Lakes Research*, **2017**, 43, 161-168	3	34
27	Greenhouse gas emissions intensity of global croplands. *Nature Climate Change*, **2017**, 7, 63-68	21.4	229
26	Ecosystem Services Connect Environmental Change to Human Health Outcomes. *EcoHealth*, **2016**, 13, 443-449	3.1	13
25	Development of a regionally sensitive water-productivity indicator to identify sustainable practices for sugarcane growers. *Integrated Environmental Assessment and Management*, **2016**, 12, 811-20	2.5	3
24	Frontiers in Ecosystem Ecology from a Community Perspective: The Future is Boundless and Bright. *Ecosystems*, **2016**, 19, 753-770	3.9	31
23	Freshwater **2016**, 374-382		

22	Rethinking Agricultural Trade Relationships in an Era of Globalization. *BioScience*, **2015**, 65, 275-289	5.7	142
21	Impacts of Land-Use Change on Groundwater Supply: Ecosystem Services Assessment in Kona, Hawaii. *Journal of Water Resources Planning and Management - ASCE*, **2015**, 141,	2.8	21
20	Managing water services in tropical regions: From land cover proxies to hydrologic fluxes. *Ambio*, **2015**, 44, 367-75	6.5	28
19	Hydrologic ecosystem services: linking ecohydrologic processes to human well-being in water research and watershed management. *Wiley Interdisciplinary Reviews: Water*, **2015**, 2, 345-358	5.7	62
18	Consistent results in stream hydrology across multiple watersheds: A reply to Chew and Goh. *Journal of Geophysical Research G: Biogeosciences*, **2015**, 120, 812-817	3.7	3
17	Ecosystem services: Challenges and opportunities for hydrologic modeling to support decision making. *Water Resources Research*, **2014**, 50, 4535-4544	5.4	98
16	Leverage points for improving global food security and the environment. *Science*, **2014**, 345, 325-8	33.3	420
15	Hydrologic Connectivity in the High-Elevation Tropics: Heterogeneous Responses to Land Change. *BioScience*, **2014**, 64, 92-104	5.7	53
14	Influence of watershed-climate interactions on stream temperature, sediment yield, and metabolism along a land use intensity gradient in Indonesian Borneo. *Journal of Geophysical Research G: Biogeosciences*, **2014**, 119, 1110-1128	3.7	39
13	Ecosystem Services and River Basin Management. *Handbook of Environmental Chemistry*, **2014**, 265-294	0.8	8
12	The added complications of climate change: understanding and managing biodiversity and ecosystems. *Frontiers in Ecology and the Environment*, **2013**, 11, 494-501	5.5	89
11	Tapped out: how can cities secure their water future?. *Water Policy*, **2013**, 15, 335-363	1.6	76
10	Improvements in crop water productivity increase water sustainability and food security– global analysis. *Environmental Research Letters*, **2013**, 8, 024030	6.2	141
9	Potential evapotranspiration from forest and pasture in the tropics: A case study in Kona, Hawai *Journal of Hydrology*, **2012**, 440-441, 52-61	6	24
8	Linking water quality and well-being for improved assessment and valuation of ecosystem services. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 18619-24	11.5	291
7	Land cover effects on groundwater recharge in the tropics: ecohydrologic mechanisms. *Ecohydrology*, **2012**, 5, 435-444	2.5	28
6	Solutions for a cultivated planet. *Nature*, **2011**, 478, 337-42	50.4	4351
5	Forest structure influences on rainfall partitioning and cloud interception: A comparison of native forest sites in Kona, Hawai *Agricultural and Forest Meteorology*, **2010**, 150, 265-275	5.8	59

4	Thinking about knowing: conceptual foundations for interdisciplinary environmental research. *Environmental Conservation*, **2010**, 37, 388-397	3.3	27
3	The Nature and Value of Ecosystem Services: An Overview Highlighting Hydrologic Services. *Annual Review of Environment and Resources*, **2007**, 32, 67-98	17.2	793
2	Water depletion: An improved metric for incorporating seasonal and dry-year water scarcity into water risk assessments. *Elementa*,4, 000083	3.6	74
1	Global Dam Watch: Curated data and tools for management and decision making. *Environmental Research: Infrastructure and Sustainability*,		3