Kate A Brauman

List of Publications by Year
in descending order

59	14,530	136885	155592
papers	citations	32 h-index	55 g-index

67	67	67	20050
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Solutions for a cultivated planet. Nature, 2011, 478, 337-342.	13.7	5,821
2	Assessing nature's contributions to people. Science, 2018, 359, 270-272.	6.0	1,661
3	Pervasive human-driven decline of life on Earth points to the need for transformative change. Science, 2019, 366, .	6.0	1,213
4	The Nature and Value of Ecosystem Services: An Overview Highlighting Hydrologic Services. Annual Review of Environment and Resources, 2007, 32, 67-98.	5.6	961
5	Leverage points for improving global food security and the environment. Science, 2014, 345, 325-328.	6.0	584
6	Greenhouse gas emissions intensity of globalÂcroplands. Nature Climate Change, 2017, 7, 63-68.	8.1	414
7	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, 18619-18624.	3.3	371
8	Distilling the role of ecosystem services in the Sustainable Development Goals. Ecosystem Services, 2018, 29, 70-82.	2.3	339
9	Social-ecological and technological factors moderate the value of urban nature. Nature Sustainability, 2019, 2, 29-38.	11.5	293
10	Global modeling of natureâ€™s contributions to people. Science, 2019, 366, 255-258.	6.0	279
11	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, .	3.3	261
12	Improvements in crop water productivity increase water sustainability and food securityâ€”a global analysis. Environmental Research Letters, 2013, 8, 024030.	2.2	187
13	Rethinking Agricultural Trade Relationships in an Era of Globalization. BioScience, 2015, 65, 275-289.	2.2	179
14	Progress towards sustainable intensification in China challenged by land-use change. Nature Sustainability, 2018, 1, 304-313.	11.5	151
15	Ecosystem services: Challenges and opportunities for hydrologic modeling to support decision making. Water Resources Research, 2014, 50, 4535-4544.	1.7	118
16	The added complications of climate change: understanding and managing biodiversity and ecosystems. Frontiers in Ecology and the Environment, 2013, 11, 494-501.	1.9	114
17	Priorities to Advance Monitoring of Ecosystem Services Using Earth Observation. Trends in Ecology and Evolution, 2017, 32, 416-428.	4.2	107
18	Water depletion: An improved metric for incorporating seasonal and dry-year water scarcity into water risk assessments. Elementa, 0, 4, 000083.	1.1	107

#	Article	IF	Citations
19	Global trends in natureâ€™s contributions to people. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32799-32805.	3.3	103
20	The Water Planetary Boundary: Interrogation and Revision. One Earth, 2020, 2, 223-234.	3.6	98
21	Tapped out: how can cities secure their water future?. Water Policy, 2013, 15, 335-363.	0.7	97
22	Illuminating water cycle modifications and Earth system resilience in the Anthropocene. Water Resources Research, 2020, 56, e2019WR024957.	1.7	86
23	Hydrologic ecosystem services: linking ecohydrologic processes to human wellâ€being in water research and watershed management. Wiley Interdisciplinary Reviews: Water, 2015, 2, 345-358.	2.8	80
24	Forest structure influences on rainfall partitioning and cloud interception: A comparison of native forest sites in Kona, Hawaiâ€™i. Agricultural and Forest Meteorology, 2010, 150, 265-275.	1.9	74
25	An attainable global vision for conservation and human wellâ€being. Frontiers in Ecology and the Environment, 2018, 16, 563-570.	1.9	71
26	Hydrologic Connectivity in the High-Elevation Tropics: Heterogeneous Responses to Land Change. BioScience, 2014, 64, 92-104.	2.2	62
27	Ecosystem services in the Great Lakes. Journal of Great Lakes Research, 2017, 43, 161-168.	0.8	56
28	Influence of watershedâ€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.	1.3	51
29	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.	3.1	50
30	Frontiers in Ecosystem Ecology from a Community Perspective: The Future is Boundless and Bright. Ecosystems, 2016, 19, 753-770.	1.6	40
31	Conservation needs to integrate knowledge across scales. Nature Ecology and Evolution, 2022, 6, 118-119.	3.4	40
32	Reimagining the potential of Earth observations for ecosystem service assessments. Science of the Total Environment, 2019, 665, 1053-1063.	3.9	39
33	Thinking about knowing: conceptual foundations for interdisciplinary environmental research. Environmental Conservation, 2010, 37, 388-397.	0.7	38
34	Essential ecosystem service variables for monitoring progress towards sustainability. Current Opinion in Environmental Sustainability, 2022, 54, 101152.	3.1	33
35	Land cover effects on groundwater recharge in the tropics: ecohydrologic mechanisms. Ecohydrology, 2012, 5, 435-444.	1.1	32
36	Managing water services in tropical regions: From land cover proxies to hydrologic fluxes. Ambio, 2015, 44, 367-375.	2.8	32

#	Article	IF	Citations
37	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.	3.3	31
38	Potential evapotranspiration from forest and pasture in the tropics: A case study in Kona, Hawaiâ€˜i. Journal of Hydrology, 2012, 440-441, 52-61.	2.3	29
39	Who Are we Measuring and Modeling for? Supporting Multilevel Decisionâ€Making in Watershed Management. Water Resources Research, 2020, 56, e2019WR026011.	1.7	29
40	Mapping social-ecological systems archetypes. Environmental Research Letters, 2020, 15, 034017.	2.2	26
41	Impacts of Land-Use Change on Groundwater Supply: Ecosystem Services Assessment in Kona, Hawaii. Journal of Water Resources Planning and Management - ASCE, 2015, 141, .	1.3	24
42	Ecosystem Services Connect Environmental Change to Human Health Outcomes. EcoHealth, 2016, 13, 443-449.	0.9	18
43	The value of hydrologic information for watershed management programs: The case of CamboriÃº, Brazil. Science of the Total Environment, 2020, 705, 135871.	3.9	16
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.	2.0	15
45	Ecosystem Services and River Basin Management. Handbook of Environmental Chemistry, 2014, , 265-294.	0.2	15
46	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.	2.2	15
47	Producing valuable information from hydrologic models of natureâ€based solutions for water. Integrated Environmental Assessment and Management, 2022, 18, 135-147.	1.6	13
48	Highâ€Resolution Climate Projections Over Minnesota for the 21st Century. Earth and Space Science, 2022, 9, .	1.1	12
49	Water Funds. , 2019, , 118-140.		11
50	Global Dam Watch: curated data and tools for management and decision making. Environmental Research: Infrastructure and Sustainability, 2021, 1, 033003.	0.9	7
51	Investments' role in ecosystem degradationâ€”Response. Science, 2020, 368, 377-377.	6.0	5
52	Development of a regionally sensitive water-productivity indicator to identify sustainable practices for sugarcane growers. Integrated Environmental Assessment and Management, 2016, 12, 811-820.	1.6	4
53	Consistent results in stream hydrology across multiple watersheds: A reply to Chew and Goh. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 812-817.	1.3	3
54	Environmental policy recommendations for the new US President. Integrated Environmental Assessment and Management, 2017, 13, 7-7.	1.6	3

#	Article	IF	Citations
55	An experiential model of drought risk and future irrigation behaviors among central Minnesota farmers. Climatic Change, 2022, 171, 1.	1.7	3
56	â€œPutting Suppliers on the Map:â€•Centering Upstream Voices in Water Funds Outreach. Journal of Contemporary Water Research and Education, 2021, 174, 85-105.	0.7	3
57	Get on the ecosystem services bandwagon. Integrated Environmental Assessment and Management, 2015, 11, 343-344.	1.6	2
58	Determining the value of ecosystem services in agriculture. , 2019, , 60-89.		2
59	Addressing water security through nature-based solutions. , 2021, , 37-62.		1