Jessica Ann Gephart

List of Publications by Year
in descending order

47 papers	3,496 citations	201674 27 h-index	214800 47 g-index
48 all docs	48 docs citations	48 times ranked	3379 citing authors

#	Article	IF	Citations
1	The Global Foodâ€Energyâ€Water Nexus. Reviews of Geophysics, 2018, 56, 456-531.	23.0	446
2	Meeting future food demand with current agricultural resources. Global Environmental Change, 2016, 39, 125-132.	7.8	277
3	Environmental performance of blue foods. Nature, 2021, 597, 360-365.	27.8	233
4	Aquatic foods to nourish nations. Nature, 2021, 598, 315-320.	27.8	226
5	Towards food supply chain resilience to environmental shocks. Nature Food, 2021, 2, 54-65.	14.0	169
6	Structure and evolution of the global seafood trade network. Environmental Research Letters, 2015, 10, 125014.	5.2	151
7	Emerging COVID-19 impacts, responses, and lessons for building resilience in the seafood system. Global Food Security, 2021, 28, 100494.	8.1	151
8	The environmental cost of subsistence: Optimizing diets to minimize footprints. Science of the Total Environment, 2016, 553, 120-127.	8.0	121
9	Blue food demand across geographic and temporal scales. Nature Communications, 2021, 12, 5413.	12.8	110
10	Viewpoint: Rigorous monitoring is necessary to guide food system transformation in the countdown to the 2030 global goals. Food Policy, 2021, 104, 102163.	6.0	110
11	Early effects of COVIDâ€19 on US fisheries and seafood consumption. Fish and Fisheries, 2021, 22, 232-239.	5.3	101
12	Resilience in the global food system. Environmental Research Letters, 2017, 12, 025010.	5.2	100
13	Vulnerability to shocks in the global seafood trade network. Environmental Research Letters, 2016, 11, 035008.	5.2	92
14	Scenarios for Global Aquaculture and Its Role in Human Nutrition. Reviews in Fisheries Science and Aquaculture, 2021, 29, 122-138.	9.1	92
15	Reserves and trade jointly determine exposure to food supply shocks. Environmental Research Letters, 2016, 11, 095009.	5.2	88
16	Shocks to fish production: Identification, trends, and consequences. Global Environmental Change, 2017, 42, 24-32.	7.8	75
17	Temperate reservoirs are large carbon sinks and small CO₂ sources: Results from highâ€resolution carbon budgets. Global Biogeochemical Cycles, 2013, 27, 52-64.	4.9	73
18	Putting all foods on the same table: Achieving sustainable food systems requires full accounting. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18152-18156.	7.1	66

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19	Does Aquaculture Support the Needs of Nutritionally Vulnerable Nations?. Frontiers in Marine Science, 2017, 4, .	2.5	59
20	Consequences of seafood mislabeling for marine populations and fisheries management. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30318-30323.	7.1	59
21	To create sustainable seafood industries, the United States needs a better accounting of imports and exports. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 9142-9146.	7.1	57
22	The `seafood gap' in the food-water nexus literatureâ€"issues surrounding freshwater use in seafood production chains. Advances in Water Resources, 2017, 110, 505-514.	3.8	55
23	Decadal-Scale Change in a Large-River Ecosystem. BioScience, 2014, 64, 496-510.	4.9	49
24	Compound climate risks threaten aquatic food system benefits. Nature Food, 2021, 2, 673-682.	14.0	48
25	Chinaâ€™s seafood importsâ€"Not for domestic consumption?. Science, 2022, 375, 386-388.	12.6	42
26	The vital roles of blue foods in the global food system. Global Food Security, 2022, 33, 100637.	8.1	37
27	Conceptualizing ecosystem services using socialâ€"ecological networks. Trends in Ecology and Evolution, 2022, 37, 211-222.	8.7	32
28	Time to rethink trophic levels in aquaculture policy. Reviews in Aquaculture, 2021, 13, 1583-1593.	9.0	31
29	Freshwater savings from marine protein consumption. Environmental Research Letters, 2014, 9, 014005.	5.2	29
30	Past and present biophysical redundancy of countries as a buffer to changes in food supply. Environmental Research Letters, 2016, 11, 055008.	5.2	29
31	An Overview of Retail Sales of Seafood in the USA, 2017â€"2019. Reviews in Fisheries Science and Aquaculture, 2022, 30, 259-270.	9.1	28
32	Social-ecological traps link food systems to nutritional outcomes. Global Food Security, 2021, 30, 100561.	8.1	28
33	Sustaining food self-sufficiency of a nation: The case of Sri Lankan rice production and related water and fertilizer demands. Ambio, 2016, 45, 302-312.	5.5	25
34	Simulating the Cascading Effects of an Extreme Agricultural Production Shock: Global Implications of a Contemporary US Dust Bowl Event. Frontiers in Sustainable Food Systems, 2020, 4, .	3.9	24
35	Risks shift along seafood supply chains. Global Food Security, 2021, 28, 100476.	8.1	23
36	Securing a sustainable future for US seafood in the wake of a global crisis. Marine Policy, 2021, 124, 104328.	3.2	22

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37	Trade: A Driver of Present and Future Ecosystems. Ecosystems, 2017, 20, 44-53.	3.4	21
38	Continuity and change in the contemporary Pacific food system. Global Food Security, 2022, 32, 100608.	8.1	19
39	Integrating Life Cycle and Impact Assessments to Map Food's Cumulative Environmental Footprint. One Earth, 2020, 3, 65-78.	6.8	16
40	Reorientation of aquaculture production systems can reduce environmental impacts and improve nutrition security in Bangladesh. Nature Food, 2020, 1, 640-647.	14.0	14
41	Cohort Description of the Madagascar Health and Environmental Researchâ€“Antongil (MAHERYâ€“Antongil) Study in Madagascar. Frontiers in Nutrition, 2019, 6, 109.	3.7	12
42	Sustainable optimization of global aquatic omega-3 supply chain could substantially narrow the nutrient gap. Resources, Conservation and Recycling, 2022, 181, 106260.	10.8	11
43	Affordability influences nutritional quality of seafood consumption among income and race/ethnicity groups in the United States. American Journal of Clinical Nutrition, 2022, 116, 415-425.	4.7	11
44	Exploring sustainable aquaculture development using a nutrition-sensitive approach. Global Environmental Change, 2021, 69, 102285.	7.8	10
45	Environmental and nutritional double bottom lines in aquaculture. One Earth, 2022, 5, 324-328.	6.8	10
46	Study Protocol: Interactive Dynamics of Coral Reef Fisheries and the Nutrition Transition in Kiribati. Frontiers in Public Health, 2022, 10, .	2.7	3
47	Global Seafood Trade. , 2019, , 93-97.		2