Halley E Froehlich

List of Publications by Citations

44 papers	1,515 citations	18 h-index	38 g-index
46 ext. papers	2,227 ext. citations	8.5 avg, IF	5.28 L-index

#	Paper	IF	Citations
44	Mapping the global potential for marine aquaculture. *Nature Ecology and Evolution*, **2017**, 1, 1317-1324	12.3	212
43	Fishing amplifies forage fish population collapses. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 6648-52	11.5	163
42	The future of food from the sea. *Nature*, **2020**, 588, 95-100	50.4	153
41	Comparative terrestrial feed and land use of an aquaculture-dominant world. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 5295-5300	11.5	97
40	Public Perceptions of Aquaculture: Evaluating Spatiotemporal Patterns of Sentiment around the World. *PLoS ONE*, **2017**, 12, e0169281	3.7	75
39	Global change in marine aquaculture production potential under climate change. *Nature Ecology and Evolution*, **2018**, 2, 1745-1750	12.3	72
38	Blue Growth Potential to Mitigate Climate Change through Seaweed Offsetting. *Current Biology*, **2019**, 29, 3087-3093.e3	6.3	70
37	Global adoption of novel aquaculture feeds could substantially reduce forage fish demand by 2030. *Nature Food*, **2020**, 1, 301-308	14.4	68
36	Emerging COVID-19 impacts, responses, and lessons for building resilience in the seafood system. *Global Food Security*, **2021**, 28, 100494	8.3	65
35	Conservation aquaculture: Shifting the narrative and paradigm of aquaculture's role in resource management. *Biological Conservation*, **2017**, 215, 162-168	6.2	62
34	Avoiding the ecological limits of forage fish for fed aquaculture. *Nature Sustainability*, **2018**, 1, 298-303	22.1	61
33	Opinion: 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	11.5	49
32	Offshore Aquaculture: I Know It When I See It. *Frontiers in Marine Science*, **2017**, 4,	4.5	46
31	Opinion: 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	11.5	40
30	Early effects of COVID-19 on US fisheries and seafood consumption. *Fish and Fisheries*, **2020**, 22, 232	6	40
29	Governance of marine aquaculture: Pitfalls, potential, and pathways forward. *Marine Policy*, **2019**, 104, 29-36	3.5	38
28	Scenarios for Global Aquaculture and Its Role in Human Nutrition. *Reviews in Fisheries Science and Aquaculture*, **2021**, 29, 122-138	8.3	37

27	Interactions and management for the future of marine aquaculture and capture fisheries. *Fish and Fisheries*, **2019**, 20, 368-388	6	28
26	Evaluating hypoxia-inducible factor-1 mRNA expression in a pelagic fish, Pacific herring Clupea pallasii, as a biomarker for hypoxia exposure. *Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology*, **2015**, 189, 58-66	2.6	17
25	Synthesis and comparative analysis of physiological tolerance and life-history growth traits of marine aquaculture species. *Aquaculture*, **2016**, 460, 75-82	4.4	14
24	Movement Patterns and Distributional Shifts of Dungeness Crab (Metacarcinus magister) and English Sole (Parophrys vetulus) During Seasonal Hypoxia. *Estuaries and Coasts*, **2014**, 37, 449-460	2.8	13
23	Securing a sustainable future for US seafood in the wake of a global crisis. *Marine Policy*, **2021**, 124, 104328	3.9	12
22	Time to rethink trophic levels in aquaculture policy. *Reviews in Aquaculture*, **2021**, 13, 1583	8.9	9
21	A case for seaweed aquaculture inclusion in U.S. nutrient pollution management. *Marine Policy*, **2021**, 129, 104506	3.5	9
20	When does hypoxia affect management performance of a fishery? A management strategy evaluation of Dungeness crab (Metacarcinus magister) fisheries in Hood Canal, Washington, USA. *Canadian Journal of Fisheries and Aquatic Sciences*, **2017**, 74, 922-932	2.4	7
19	The long and narrow path for novel cell-based seafood to reduce fishing pressure for marine ecosystem recovery. *Fish and Fisheries*, **2021**, 22, 652-664	6	7
18	Integrating Life Cycle and Impact Assessments to Map Food's Cumulative Environmental Footprint. *One Earth*, **2020**, 3, 65-78	8.1	6
17	Substantial Gaps in the Current Fisheries Data Landscape. *Frontiers in Marine Science*, **2020**, 7,	4.5	5
16	The search for blue transitions in aquaculture-dominant countries. *Fish and Fisheries*, **2021**, 22, 1006-1023	3	5
15	Emerging trends in science and news of climate change threats to and adaptation of aquaculture. *Aquaculture*, **2022**, 549, 737812	4.4	4
14	Conservation aquaculture as a tool for imperiled marine species: Evaluation of opportunities and risks for Olympia oysters, Ostrea lurida. *PLoS ONE*, **2021**, 16, e0252810	3.7	4
13	An Overview of Retail Sales of Seafood in the USA, 2017–2019. *Reviews in Fisheries Science and Aquaculture*,1-12	8.3	4
12	Mind the gap between ICES nations' future seafood consumption and aquaculture production. *ICES Journal of Marine Science*, **2021**, 78, 468-477	2.7	4
11	Predator in the Pool? A Quantitative Evaluation of Non-indexed Open Access Journals in Aquaculture Research. *Frontiers in Marine Science*, **2018**, 5,	4.5	3
10	Scenario analysis can guide aquaculture planning to meet sustainable future production goals. *ICES Journal of Marine Science*, **2021**, 78, 821-831	2.7	3

9	Piecing together the data of the U.S. marine aquaculture puzzle.. *Journal of Environmental Management*, **2022**, 308, 114623	7.9	2
8	Diverse state-level marine aquaculture policy in the United States: Opportunities and barriers for industry development. *Reviews in Aquaculture*,	8.9	2
7	An informed thought experiment exploring the potential for a paradigm shift in aquatic food production. *Ocean and Coastal Management*, **2021**, 206, 105574	3.9	2
6	Quantifying uncertainty in the wild-caught fisheries goal of the Ocean Health Index. *Fish and Fisheries*, **2019**, 20, 343-354	6	1
5	The overlooked importance of food disadoption for the environmental sustainability of new foods. *Environmental Research Letters*, **2021**, 16, 104022	6.2	1
4	Mapping the spatial distribution of global mariculture production. *Aquaculture*, **2022**, 553, 738066	4.4	1
3	California aquaculture in the changing food seascape. *Aquaculture*, **2022**, 553, 738009	4.4	0
2	Expanding ocean food production under climate change.. *Nature*, **2022**, 605, 490-496	50.4	0
1	Historical food consumption declines and the role of alternative foods. *Environmental Research Letters*, **2022**, 17, 014020	6.2	