

Nina Bednarsek

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

2,459
citations

218677

26
h-index

223800

46
g-index

50
all docs

50
docs citations

50
times ranked

2684
citing authors

#	ARTICLE	IF	CITATIONS
1	Editorial: Acidification and Hypoxia in Marginal Seas. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	3
2	Natural Analogues in pH Variability and Predictability across the Coastal Pacific Estuaries: Extrapolation of the Increased Oyster Dissolution under Increased pH Amplitude and Low Predictability Related to Ocean Acidification. <i>Environmental Science & Technology</i> , 2022, 56, 9015-9028.	10.0	10
3	Pelagic calcifiers face increased mortality and habitat loss with warming and ocean acidification. <i>Ecological Applications</i> , 2022, 32, e2674.	3.8	2
4	Severe biological effects under present-day estuarine acidification in the seasonally variable Salish Sea. <i>Science of the Total Environment</i> , 2021, 765, 142689.	8.0	9
5	Natural and Anthropogenic Drivers of Acidification in Large Estuaries. <i>Annual Review of Marine Science</i> , 2021, 13, 23-55.	11.6	68
6	Pteropods make thinner shells in the upwelling region of the California Current Ecosystem. <i>Scientific Reports</i> , 2021, 11, 1731.	3.3	28
7	Biological Impact of Ocean Acidification in the Canadian Arctic: Widespread Severe Pteropod Shell Dissolution in Amundsen Gulf. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	14
8	Synthesis of Thresholds of Ocean Acidification Impacts on Echinoderms. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	15
9	Coastal eutrophication drives acidification, oxygen loss, and ecosystem change in a major oceanic upwelling system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	41
10	Integrated Assessment of Ocean Acidification Risks to Pteropods in the Northern High Latitudes: Regional Comparison of Exposure, Sensitivity and Adaptive Capacity. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	23
11	Enhanced monitoring of life in the sea is a critical component of conservation management and sustainable economic growth. <i>Marine Policy</i> , 2021, 132, 104699.	3.2	21
12	Synthesis of Thresholds of Ocean Acidification Impacts on Decapods. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	11
13	Chemical Exposure Due to Anthropogenic Ocean Acidification Increases Risks for Estuarine Calcifiers in the Salish Sea: Biogeochemical Model Scenarios. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	9
14	Exoskeleton dissolution with mechanoreceptor damage in larval Dungeness crab related to severity of present-day ocean acidification vertical gradients. <i>Science of the Total Environment</i> , 2020, 716, 136610.	8.0	54
15	The Importance of Environmental Exposure History in Forecasting Dungeness Crab Megalopae Occurrence Using J-SCOPE, a High-Resolution Model for the US Pacific Northwest. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	10
16	Global Observational Needs and Resources for Marine Biodiversity. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	77
17	Towards Integrating Evolution, Metabolism, and Climate Change Studies of Marine Ecosystems. <i>Trends in Ecology and Evolution</i> , 2019, 34, 1022-1033.	8.7	28
18	Relationship between shell integrity of pelagic gastropods and carbonate chemistry parameters at a Scottish Coastal Observatory monitoring site. <i>ICES Journal of Marine Science</i> , 2019, , .	2.5	5

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19	Systematic Review and Meta-Analysis Toward Synthesis of Thresholds of Ocean Acidification Impacts on Calcifying Pteropods and Interactions With Warming. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	69
20	Eco-physiological responses of copepods and pteropods to ocean warming and acidification. <i>Scientific Reports</i> , 2019, 9, 4748.	3.3	16
21	The shelled pteropods of the northeast Pacific Ocean (Mollusca: Heterobranchia, Pteropoda). <i>Zoosymposia</i> , 2019, 13, 305-346.	0.3	8
22	Large Contribution of Pteropods to Shallow CaCO ₃ Export. <i>Global Biogeochemical Cycles</i> , 2019, 33, 458-468.	4.9	66
23	Influence of bacteria on shell dissolution in dead gastropod larvae and adult <i>Limacina helicina</i> pteropods under ocean acidification conditions. <i>Marine Biology</i> , 2018, 165, 1.	1.5	4
24	The combined effects of acidification and hypoxia on pH and aragonite saturation in the coastal waters of the California current ecosystem and the northern Gulf of Mexico. <i>Continental Shelf Research</i> , 2018, 152, 50-60.	1.8	94
25	Biogeography and genetic diversity of the atlantid heteropods. <i>Progress in Oceanography</i> , 2018, 160, 1-25.	3.2	21
26	El Niño-Related Thermal Stress Coupled With Upwelling-Related Ocean Acidification Negatively Impacts Cellular to Population-Level Responses in Pteropods Along the California Current System With Implications for Increased Bioenergetic Costs. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	33
27	New ocean, new needs: Application of pteropod shell dissolution as a biological indicator for marine resource management. <i>Ecological Indicators</i> , 2017, 76, 240-244.	6.3	55
28	Shelled pteropods in peril: Assessing vulnerability in a high CO ₂ ocean. <i>Earth-Science Reviews</i> , 2017, 169, 132-145.	9.1	78
29	Exposure history determines pteropod vulnerability to ocean acidification along the US West Coast. <i>Scientific Reports</i> , 2017, 7, 4526.	3.3	66
30	Role of Technology in Ocean Acidification: Monitoring, Water-Quality Impairments, CO ₂ Mitigation, and Machine Learning. , 2017, , 125-133.		1
31	Comment on Peck et al: Vulnerability of pteropod (<i>Limacina helicina</i>) to ocean acidification: shell dissolution occurs despite an intact organic layer. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2016, 127, 53-56.	1.4	23
32	Water quality criteria for an acidifying ocean: Challenges and opportunities for improvement. <i>Ocean and Coastal Management</i> , 2016, 126, 31-41.	4.4	36
33	Chemical and biological impacts of ocean acidification along the west coast of North America. <i>Estuarine, Coastal and Shelf Science</i> , 2016, 183, 260-270.	2.1	121
34	Pteropods on the edge: Cumulative effects of ocean acidification, warming, and deoxygenation. <i>Progress in Oceanography</i> , 2016, 145, 1-24.	3.2	86
35	Interpretation and design of ocean acidification experiments in upwelling systems in the context of carbonate chemistry co-variation with temperature and oxygen. <i>ICES Journal of Marine Science</i> , 2016, 73, 582-595.	2.5	58
36	Understanding Ocean Acidification Impacts on Organismal to Ecological Scales. <i>Oceanography</i> , 2015, 25, 16-27.	1.0	61

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37	Characterizing the Natural System: Toward Sustained, Integrated Coastal Ocean Acidification Observing Networks to Facilitate Resource Management and Decision Support. <i>Oceanography</i> , 2015, 25, 92-107.	1.0	14
38	Changes in pteropod distributions and shell dissolution across a frontal system in the California Current System. <i>Marine Ecology - Progress Series</i> , 2015, 523, 93-103.	1.9	67
39	Dissolution Dominating Calcification Process in Polar Pteropods Close to the Point of Aragonite Undersaturation. <i>PLoS ONE</i> , 2014, 9, e109183.	2.5	100
40	Sink and swim: a status review of thecosome pteropod culture techniques. <i>Journal of Plankton Research</i> , 2014, 36, 299-315.	1.8	48
41	<i>Limacina helicina</i> shell dissolution as an indicator of declining habitat suitability owing to ocean acidification in the California Current Ecosystem. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20140123.	2.6	194
42	MAREDAT: towards a world atlas of MARine Ecosystem DATA. <i>Earth System Science Data</i> , 2013, 5, 227-239.	9.9	145
43	Corrigendum to "The global distribution of pteropods and their contribution to carbonate and carbon biomass in the modern ocean" published in <i>Earth Syst. Sci. Data</i> , 4, 167-186, 2012. <i>Earth System Science Data</i> , 2013, 5, 1-1.	9.9	0
44	Extensive dissolution of live pteropods in the Southern Ocean. <i>Nature Geoscience</i> , 2012, 5, 881-885.	12.9	266
45	Population dynamics and biogeochemical significance of <i>Limacina helicina antarctica</i> in the Scotia Sea (Southern Ocean). <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2012, 59-60, 105-116.	1.4	52
46	Description and quantification of pteropod shell dissolution: a sensitive bioindicator of ocean acidification. <i>Global Change Biology</i> , 2012, 18, 2378-2388.	9.5	91
47	The global distribution of pteropods and their contribution to carbonate and carbon biomass in the modern ocean. <i>Earth System Science Data</i> , 2012, 4, 167-186.	9.9	91
48	Poles Apart: The "Bipolar" Pteropod Species <i>Limacina helicina</i> Is Genetically Distinct Between the Arctic and Antarctic Oceans. <i>PLoS ONE</i> , 2010, 5, e9835.	2.5	65