Jeff C Clements

List of Publications by Year in descending order

47 papers	916 citations	567247 15 h-index	526264 27 g-index
51 all docs	51 docs citations	51 times ranked	909 citing authors

#	Article	IF	Citations
1	Ocean acidification and marine aquaculture in North America: potential impacts and mitigation strategies. Reviews in Aquaculture, 2017, 9, 326-341.	9.0	87
2	Predation in the marine fossil record: Studies, data, recognition, environmental factors, and behavior. Earth-Science Reviews, 2019, 194, 472-520.	9.1	74
3	Effects of CO 2 -driven sediment acidification on infaunal marine bivalves: A synthesis. Marine Pollution Bulletin, 2017, 117, 6-16.	5.0	46
4	Influence of sediment acidification and water flow on sediment acceptance and dispersal of juvenile soft-shell clams (Mya arenaria L.). Journal of Experimental Marine Biology and Ecology, 2014, 453, 62-69.	1.5	40
5	Eating in an acidifying ocean: a quantitative review of elevated CO2 effects on the feeding rates of calcifying marine invertebrates. Hydrobiologia, 2018, 820, 1-21.	2.0	40
6	Elevated temperature has adverse effects on GABA-mediated avoidance behaviour to sediment acidification in a wide-ranging marine bivalve. Marine Biology, 2017, 164, 1.	1.5	35
7	Elevated seawater temperature, not pCO2, negatively affects post-spawning adult mussels (Mytilus) Tj ETQq1 1 0.784314 rgBT /Over		35
8	Seawater acidification and temperature modulate anti-predator defenses in two co-existing Mytilus species. Marine Pollution Bulletin, 2019, 145, 118-125.	5.0	34
9	Transgenerational effects of short-term exposure to acidification and hypoxia on early developmental traits of the mussel Mytilus edulis. Marine Environmental Research, 2019, 145, 73-80.	2.5	34
10	Meta-analysis reveals an extreme â€œdecline effectâ€•in the impacts of ocean acidification on fish behavior. PLoS Biology, 2022, 20, e3001511.	5.6	33
11	Porewater acidification alters the burrowing behavior and post-settlement dispersal of juvenile soft-shell clams (Mya arenaria). Journal of Experimental Marine Biology and Ecology, 2016, 477, 103-111.	1.5	32
12	Hypoxia aggravates the effects of ocean acidification on the physiological energetics of the blue mussel Mytilus edulis. Marine Pollution Bulletin, 2019, 149, 110538.	5.0	31
13	Quantifying professionalism in peer review. Research Integrity and Peer Review, 2020, 5, 9.	5.2	30
14	Nitrogen removal potential of shellfish aquaculture harvests in eastern Canada: A comparison of culture methods. Aquaculture Reports, 2019, 13, 100183.	1.7	22
15	Open access articles receive more citations in hybrid marine ecology journals. Facets, 2017, 2, 1-14.	2.4	22
16	Paths towards greater consensus building in experimental biology. Journal of Experimental Biology, 2022, 225, .	1.7	20
17	The killer within: Endogenous bacteria accelerate oyster mortality during sustained anoxia. Limnology and Oceanography, 2021, 66, 2885-2900.	3.1	19
18	CO2-induced low pH in an eastern oyster (Crassostrea virginica) hatchery positively affects reproductive development and larval survival but negatively affects larval shape and size, with no intergenerational linkages. ICES Journal of Marine Science, 2021, 78, 349-359.	2.5	18

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19	Animal size and sea water temperature, but not pH, influence a repeatable startle response behaviour in a wide-ranging marine mollusc. Animal Behaviour, 2021, 173, 191-205.	1.9	18
20	Short-term exposure to elevated pCO2 does not affect the valve gaping response of adult eastern oysters, Crassostrea virginica, to acute heat shock under an ad libitum feeding regime. Journal of Experimental Marine Biology and Ecology, 2018, 506, 9-17.	1.5	17
21	Do you want to breach an embankment? Synthesis of the literature and practical considerations for breaching of tidally influenced causeways and dikes. Estuarine, Coastal and Shelf Science, 2020, 245, 107024.	2.1	16
22	Use of High-Frequency Noninvasive Electromagnetic Biosensors to Detect Ocean Acidification Effects on Shellfish Behavior. Journal of Shellfish Research, 2019, 38, 811.	0.9	16
23	Siltation increases the susceptibility of surface-cultured eastern oysters (Crassostrea) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 0 5 4707-4717.	1.8	15
24	Sink before you settle: Settlement behaviour of Eastern oyster (Crassostrea virginica) larvae on artificial spat collectors and natural substrate. Aquaculture Reports, 2019, 13, 100181.	1.7	15
25	Behavioural responses to predators in Mediterranean mussels (Mytilus galloprovincialis) are unaffected by elevated pCO2. Marine Environmental Research, 2020, 161, 105148.	2.5	15
26	Behavioral Defenses of Shellfish Prey under Ocean Acidification. Journal of Shellfish Research, 2019, 38, 725.	0.9	15
27	Extreme ocean acidification reduces the susceptibility of eastern oyster shells to a polydorid parasite. Journal of Fish Diseases, 2017, 40, 1573-1585.	1.9	14
28	Ontogenetic Shifts in the Predatory Habits of the Northern Moonsnail (Lunatia heros) on the Northwestern Atlantic Coast. Journal of Shellfish Research, 2014, 33, 755-768.	0.9	13
29	Testing for Sediment Acidification Effects on Within-Season Variability in Juvenile Soft-Shell Clam (Mya arenaria) Abundance on the Northern Shore of the Bay of Fundy. Estuaries and Coasts, 2018, 41, 471-483.	2.2	10
30	Ocean acidification and molluscan shell taphonomy: Can elevated seawater pCO2 influence taphonomy in a naticid predatorâ€“prey system?. Palaeogeography, Palaeoclimatology, Palaeoecology, 2018, 507, 145-154.	2.3	10
31	Siltation negatively affects settlement and gaping behaviour in eastern oysters. Marine Environmental Research, 2021, 170, 105432.	2.5	10
32	Wanted dead or alive: Polydora websteri recruit to both live oysters and empty shells of the eastern oyster, Crassostrea virginica. Journal of Fish Diseases, 2018, 41, 855-858.	1.9	9
33	Roll, right, repeat: short-term repeatability in the self-righting behaviour of a cold-water sea cucumber. Journal of the Marine Biological Association of the United Kingdom, 2020, 100, 115-120.	0.8	8
34	Scaredy-Oysters: In Situ Documentation of an Oyster Behavioral Response to Predators. Southeastern Naturalist, 2019, 18, .	0.4	8
35	Changes in the quantitative distribution of Caspian Sea polychaetes: Prolific fauna formed by non-indigenous species. Journal of Great Lakes Research, 2014, 40, 692-698.	1.9	7
36	Is the reproducibility crisis fuelling poor mental health in science?. Nature, 2020, 582, 300-300.	27.8	6

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37	Diet Breadth of the Northern Moonsnail (Lunatia heros) on the Northwestern Atlantic Coast (Naticidae). American Malacological Bulletin, 2013, 31, 331-336.	0.2	5
38	Increased mortality of harvested eastern oysters (Crassostrea virginica) is associated with air exposure and temperature during a spring fishery in Atlantic Canada. Fisheries Research, 2018, 206, 27-34.	1.7	5
39	Donâ€™t be a prig in peer review. Nature, 2020, 585, 472-472.	27.8	5
40	Predator in the Pool? A Quantitative Evaluation of Non-indexed Open Access Journals in Aquaculture Research. Frontiers in Marine Science, 2018, 5, .	2.5	4
41	Testing the efficacy of bouncing-bucket nursery systems for enhancing shell strength and thickness in on-bottom cultured Eastern oysters (Crassostrea virginica). Aquacultural Engineering, 2020, 90, 102101.	3.1	3
42	Group versus individual exposure: Do methodological decisions in aquatic toxicology alter experimental results?. Science of the Total Environment, 2021, 764, 144288.	8.0	3
43	Didemnum vexillum: invasion potential via harvesting and processing of the Pacific oyster (Crassostrea gigas) in British Columbia, Canada. Management of Biological Invasions, 2017, 8, 553-558.	1.2	3
44	Re-evaluation of solutions to the problem of unprofessionalism in peer review. Research Integrity and Peer Review, 2021, 6, 4.	5.2	2
45	â€œUrchin pinningâ€• Behavioural observations reveal how hungry urchins actively prey upon their sea star predators. Ethology, 2021, 127, 484-489.	1.1	2
46	Size selectivity of the scallop fishery in the southern Gulf of St. Lawrence: Effects of ring size and washer type. Fisheries Research, 2021, 243, 106103.	1.7	1
47	Comparative evidence for harvesting-driven enhancement of clam beds in northeastern New Brunswick, Canada. Regional Studies in Marine Science, 2021, 43, 101690.	0.7	0