Miles D Lamare

List of Publications by Year
in descending order

99 papers	3,145 citations	136950 32 h-index	197818 49 g-index
103 all docs	103 docs citations	103 times ranked	3267 citing authors

#	Article	IF	Citations
1	Environmental DNA (eDNA) metabarcoding reveals strong discrimination among diverse marine habitats connected by water movement. Molecular Ecology Resources, 2019, 19, 426-438.	4.8	180
2	Response of sea urchin pluteus larvae (Echinodermata: Echinoidea) to reduced seawater pH: a comparison among a tropical, temperate, and a polar species. Marine Biology, 2009, 156, 1125-1137.	1.5	166
3	Beyond Biodiversity: Can Environmental DNA (eDNA) Cut It as a Population Genetics Tool?. Genes, 2019, 10, 192.	2.4	160
4	The stunting effect of a high CO₂ocean on calcification and development in sea urchin larvae, a synthesis from the tropics to the poles. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120439.	4.0	132
5	Deep-sea hydrothermal vent animals seek cool fluids in a highly variable thermal environment. Nature Communications, 2010, 1, 14.	12.8	79
6	Vulnerability of the calcifying larval stage of the Antarctic sea urchin <i>Sterechinus neumayeri</i> to nearâ€future ocean acidification and warming. Global Change Biology, 2013, 19, 2264-2275.	9.5	77
7	Water stratification in the marine biome restricts vertical environmental DNA (eDNA) signal dispersal. Environmental DNA, 2020, 2, 99-111.	5.8	74
8	Impacts of Ocean Acidification on Early Life-History Stages and Settlement of the Coral-Eating Sea Star Acanthaster planci. PLoS ONE, 2013, 8, e82938.	2.5	73
9	The response of two ecologically important Antarctic invertebrates (Sterechinus neumayeri and) Tj ETQq1 1 0.784314 rgBT /Overlock Marine Biology, 2010, 157, 2689-2702.	1.5	63
10	Speciesâ€level biodiversity assessment using marine environmental DNA metabarcoding requires protocol optimization and standardization. Ecology and Evolution, 2019, 9, 1323-1335.	1.9	62
11	Global variability in seawater Mg:Ca and Sr:Ca ratios in the modern ocean. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22281-22292.	7.1	62
12	Modelling somatic growth in the sea urchin Evechinus chloroticus (Echinoidea: Echinometridae). Journal of Experimental Marine Biology and Ecology, 2000, 243, 17-43.	1.5	60
13	DNA photorepair in echinoid embryos: effects of temperature on repair rate in Antarctic and non-Antarctic species. Journal of Experimental Biology, 2006, 209, 5017-5028.	1.7	60
14	Effects of ocean warming and acidification on embryos and non-calcifying larvae of the invasive sea star Patiriella regularis. Marine Ecology - Progress Series, 2013, 473, 235-246.	1.9	55
15	The thermal tolerance of crown-of-thorns (Acanthaster planci) embryos and bipinnaria larvae: implications for spatial and temporal variation in adult populations. Coral Reefs, 2014, 33, 207-219.	2.2	53
16	Mass spawning by the sea urchin Evechinus chloroticus (Echinodermata: Echinoidea) in a New Zealand fiord. Marine Biology, 1998, 132, 135-140.	1.5	52
17	eDNA detection of corallivorous seastar (Acanthaster cf. solaris) outbreaks on the Great Barrier Reef using digital droplet PCR. Coral Reefs, 2018, 37, 1229-1239.	2.2	51
18	Calorific content of New Zealand marine macrophytes. New Zealand Journal of Marine and Freshwater Research, 2001, 35, 335-341.	2.0	50

#	ARTICLE	IF	CITATIONS
19	Sea ice protects the embryos of the Antarctic sea urchin Sterechinus neumayeri from oxidative damage due to naturally enhanced levels of UV-B radiation. Journal of Experimental Biology, 2010, 213, 1967-1975.	1.7	47
20	Effects of reduced seawater pH on fertilisation, embryogenesis and larval development in the Antarctic seastar Odontaster validus. Polar Biology, 2013, 36, 235-247.	1.2	47
21	<i>Echinometra</i> sea urchins acclimatized to elevated <scp><i>p</i>CO</scp>₂ at volcanic vents outperform those under presentâ€day <scp><i>p</i>CO</scp>₂ conditions. Global Change Biology, 2016, 22, 2451-2461.	9.5	47
22	Reproductive variability over a four-year period in the sea urchin Evechinus chloroticus (Echinoidea:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.5	46
23	Elevated temperature causes metabolic trade-offs at the whole organism level in the Antarctic fish <i>Trematomus bernacchii</i>. Journal of Experimental Biology, 2015, 218, 2373-81.	1.7	46
24	Transmission of ultraviolet radiation through the Antarctic annual sea ice and its biological effects on sea urchin embryos. Limnology and Oceanography, 2004, 49, 1957-1963.	3.1	44
25	No ocean acidification effects on shell growth and repair in the New Zealand brachiopod Calloria inconspicua (Sowerby, 1846). ICES Journal of Marine Science, 2016, 73, 920-926.	2.5	44
26	Natural variation of carotenoids in the eggs and gonads of the echinoid genus, Strongylocentrotus: implications for their role in ultraviolet radiation photoprotection. Journal of Experimental Marine Biology and Ecology, 2004, 312, 215-233.	1.5	40
27	Reproduction of the sea urchin<i>Evechinus chloroticus</i>(Echinodermata: Echinoidea) in a New Zealand fiord. New Zealand Journal of Marine and Freshwater Research, 2002, 36, 719-732.	2.0	39
28	Sea ice microbial production supports Ross Sea benthic communities: influence of a small but stable subsidy. Ecology, 2012, 93, 314-323.	3.2	39
29	Benthic marine calcifiers coexist with CaCO₃â€undersaturated seawater worldwide. Global Biogeochemical Cycles, 2016, 30, 1038-1053.	4.9	38
30	Ocean acidification has little effect on developmental thermal windows of echinoderms from Antarctica to the tropics. Global Change Biology, 2017, 23, 657-672.	9.5	37
31	Spatial and temporal variation in the heat tolerance limits of two abundant Southern Ocean invertebrates. Marine Ecology - Progress Series, 2012, 450, 81-92.	1.9	35
32	In situ rates of DNA damage and abnormal development in Antarctic and non-Antarctic sea urchin embryos. Aquatic Biology, 2007, 1, 21-32.	1.4	34
33	Oxidative Damage in Response to Natural Levels of UVâ€B Radiation in Larvae of the Tropical Sea Urchin <i>Tripneustes gratilla</i>. Photochemistry and Photobiology, 2010, 86, 1091-1098.	2.5	33
34	Fertilisation, embryogenesis and larval development in the tropical intertidal sand dollar Arachnoides placenta in response to reduced seawater pH. Marine Biology, 2013, 160, 1927-1941.	1.5	32
35	Changes in physiological responses of an Antarctic fish, the emerald rock cod (Trematomus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 128-129, 91-100.	4.0	32
36	Straight Line Foraging in Yellow-Eyed Penguins: New Insights into Cascading Fisheries Effects and Orientation Capabilities of Marine Predators. PLoS ONE, 2013, 8, e84381.	2.5	32

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37	Thermal tolerance of early development in tropical and temperate sea urchins: inferences for the tropicalization of eastern Australia. Marine Biology, 2014, 161, 395-409.	1.5	31
38	How does embryonic and larval thermal tolerance contribute to the distribution of the sea urchin Centrostephanus rodgersii (Diadematidae) in New Zealand?. Journal of Experimental Marine Biology and Ecology, 2013, 445, 120-128.	1.5	30
39	Impact of growing up in a warmer, lower pH future on offspring performance: transgenerational plasticity in a pan-tropical sea urchin. Coral Reefs, 2019, 38, 1085-1095.	2.2	30
40	Thermal Reaction Norms and the Scale of Temperature Variation: Latitudinal Vulnerability of Intertidal Nacellid Limpets to Climate Change. PLoS ONE, 2012, 7, e52818.	2.5	29
41	Low global sensitivity of metabolic rate to temperature in calcified marine invertebrates. Oecologia, 2014, 174, 45-54.	2.0	28
42	Hematological Analysis of the Ascidian <i>Botrylloides leachii</i> (Savigny, 1816) During Whole-Body Regeneration. Biological Bulletin, 2017, 232, 143-157.	1.8	27
43	Ocean acidification in New Zealand waters: trends and impacts. New Zealand Journal of Marine and Freshwater Research, 2018, 52, 155-195.	2.0	27
44	Biological weighting functions for DNA damage in sea urchin embryos exposed to ultraviolet radiation. Journal of Experimental Marine Biology and Ecology, 2006, 328, 10-21.	1.5	26
45	<i>In situ</i> developmental responses of tropical sea urchin larvae to ocean acidification conditions at naturally elevated <i>p</i> CO ₂ vent sites. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161506.	2.6	25
46	Ocean acidification affects microbial community and invertebrate settlement on biofilms. Scientific Reports, 2020, 10, 3274.	3.3	25
47	Variation in sunscreen compounds (mycosporineâ€like amino acids) for marine species along a gradient of ultraviolet radiation transmission within doubtful sound, New Zealand. New Zealand Journal of Marine and Freshwater Research, 2004, 38, 775-793.	2.0	24
48	Dietary pollutants induce oxidative stress, altering maternal antioxidant provisioning and reproductive output in the temperate sea urchin Evechinus chloroticus. Aquatic Toxicology, 2016, 177, 106-115.	4.0	24
49	Temporal concentrations of sunscreen compounds (Mycosporine-like Amino Acids) in phytoplankton and in the New Zealand krill, Nyctiphanes australis G.O. Sars. Journal of Plankton Research, 2007, 29, 1077-1086.	1.8	23
50	Impacts of near future sea surface pH and temperature conditions on fertilisation and embryonic development in Centrostephanus rodgersii from northern New Zealand and northern New South Wales, Australia. Marine Biology, 2014, 161, 101-110.	1.5	23
51	The effects of elevated<i>p</i>CO₂on growth, shell production and metabolism of cultured juvenile abalone,<i>Haliotis iris</i>. Aquaculture Research, 2016, 47, 2375-2392.	1.8	23
52	Archival electronic tagging of a predatory sea star â€” Testing a new technique to study movement at the individual level. Journal of Experimental Marine Biology and Ecology, 2009, 373, 1-10.	1.5	22
53	Maternal antioxidant provisioning mitigates pollutant-induced oxidative damage in embryos of the temperate sea urchin Evechinus chloroticus. Scientific Reports, 2017, 7, 1954.	3.3	22
54	Ultraviolet Radiation and Echinoderms: Past, Present and Future Perspectives. Advances in Marine Biology, 2011, 59, 145-187.	1.4	20

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55	Effects of ultraviolet radiation on the transmission process of an intertidal trematode parasite. Parasitology, 2012, 139, 537-546.	1.5	20
56	Pollutant resilience in embryos of the Antarctic sea urchin Sterechinus neumayeri reflects maternal antioxidant status. Aquatic Toxicology, 2015, 161, 61-72.	4.0	20
57	Expression of the DNA Repair Enzyme, Photolyase, in Developmental Tissues and Larvae, and in Response to Ambient UVâ€R in the Antarctic Sea Urchin <i>Sterechinus neumayeri</i>. Photochemistry and Photobiology, 2009, 85, 1168-1176.	2.5	19
58	Heat tolerance, behavioural temperature selection and temperature-dependent respiration in larval Octopus huttoni. Journal of Thermal Biology, 2012, 37, 83-88.	2.5	19
59	Spatial variation in parasite-induced mortality in an amphipod: shore height versus exposure history. Oecologia, 2010, 163, 651-659.	2.0	18
60	Growth, morphometrics and size structure of the Diadematidae sea urchin Centrostephanus rodgersii in northern New Zealand. Marine and Freshwater Research, 2012, 63, 624.	1.3	17
61	Paternal identity influences response of Acanthaster planci embryos to ocean acidification and warming. Coral Reefs, 2017, 36, 325-338.	2.2	17
62	Parental acclimation to future ocean conditions increases development rates but decreases survival in sea urchin larvae. Marine Biology, 2020, 167, 1.	1.5	17
63	Microplastic ingestion induces asymmetry and oxidative stress in larvae of the sea urchin Pseudechinus huttoni. Marine Pollution Bulletin, 2021, 168, 112369.	5.0	17
64	Effects of ultraviolet radiation on an intertidal trematode parasite: An assessment of damage and protection. International Journal for Parasitology, 2012, 42, 453-461.	3.1	16
65	Reproduction of the Diadematidae sea urchin<i>Centrostephanus rodgersii</i>in a recently colonized area of northern New Zealand. Marine Biology Research, 2013, 9, 157-168.	0.7	16
66	Contributions of genetic and environmental variance in early development of the Antarctic sea urchin Sterechinus neumayeri in response to increased ocean temperature and acidification. Marine Biology, 2016, 163, 1.	1.5	16
67	Little evidence of adaptation potential to ocean acidification in sea urchins living in â€œFuture Oceanâ€• conditions at a CO₂ vent. Ecology and Evolution, 2019, 9, 10004-10016.	1.9	16
68	The relationship between UV-irradiance, photoprotective compounds and DNA damage in two intertidal invertebrates with contrasting mobility characteristics. Journal of Photochemistry and Photobiology B: Biology, 2015, 149, 280-288.	3.8	14
69	Relative importance of parental diet versus larval nutrition on development and phenotypic plasticity of Pseudechinus huttoni larvae (Echinodermata: Echinoidea). Marine Biology Research, 2010, 6, 302-314.	0.7	13
70	Non-Antarctic notothenioids: Past phylogenetic history and contemporary phylogeographic implications in the face of environmental changes. Marine Genomics, 2016, 25, 1-9.	1.1	13
71	Temperature and UV light affect the activity of marine cell-free enzymes. Biogeosciences, 2017, 14, 3971-3977.	3.3	13
72	Diffusive Boundary Layers and Ocean Acidification: Implications for Sea Urchin Settlement and Growth. Frontiers in Marine Science, 2020, 7, .	2.5	13

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73	Embryonic and larval development of the New Zealand bivalve<i>Paphies ventricosa</i>Gray, 1843 (Veneroida: Mesodesmatidae) at a range of temperatures. Journal of Molluscan Studies, 2015, 81, 356-364.	1.2	12
74	Growth and morphometrics in the New Zealand sea urchin<i>Pseudechinus huttoni</i>(Echinoidea:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.0	11
75	Diadinoxanthin cycle of the bottom ice algal community during spring in McMurdo Sound, Antarctica. Polar Biology, 2009, 32, 623-636.	1.2	11
76	A unique temperate rocky coastal hydrothermal vent system (Whakaariâ€“White Island, Bay of Plenty,) Tj ETQq0 0 0 rgBT /Overlock 10 321.	1.3	10
77	Effects of nutrition on somatic growth and reproductive strategy of the sea urchin Pseudechinus huttoni. Marine Biology Research, 2010, 6, 292-301.	0.7	9
78	Oxidative damage and antioxidant defence parameters in the Antarctic bivalve Laternula elliptica as biomarkers for pollution impacts. Polar Biology, 2015, 38, 1741-1752.	1.2	9
79	Sea urchin larvae show resilience to ocean acidification at the time of settlement and metamorphosis. Marine Environmental Research, 2020, 159, 104977.	2.5	9
80	Staying in place and moving in space: contrasting larval thermal sensitivity explains distributional changes of sympatric sea urchin species to habitat warming. Global Change Biology, 2022, , .	9.5	9
81	Reproduction and Growth of the Terebratulid Brachiopod <i>Liothyrella neozelanica</i> Thomson, 1918 From Doubtful Sound, New Zealand. Biological Bulletin, 2013, 225, 125-136.	1.8	8
82	Cellular Changes Associated with the Acclimation of the Intertidal Sea Anemone <i><scp>A</scp>ctinia tenebrosa</i> to Ultraviolet Radiation. Photochemistry and Photobiology, 2014, 90, 1314-1323.	2.5	8
83	Embryology, larval development, settlement and metamorphosis in the New Zealand Serpulid Polychaete<i><i>Galeolaria hystrix</i></i>. Invertebrate Reproduction and Development, 2017, 61, 207-217.	0.8	7
84	Growth and age of the midget octopus, Octopus huttoni. Aquatic Ecology, 2019, 53, 689-706.	1.5	7
85	Crossâ€generational response of a tropical sea urchin to global change and a selection event in a 43â€month mesocosm study. Global Change Biology, 2021, 27, 3448-3462.	9.5	7
86	Reduced seawater pH alters marine biofilms with impacts for marine polychaete larval settlement. Marine Environmental Research, 2021, 167, 105291.	2.5	7
87	The relative importance of parental nutrition and population versus larval diet on development and phenotypic plasticity of Sclerasterias mollis larvae. Journal of the Marine Biological Association of the United Kingdom, 2010, 90, 527-536.	0.8	6
88	Mitochondrial plasticity in brachiopod (Liothyrella spp.) smooth adductor muscle as a result of season and latitude. Marine Biology, 2010, 157, 907-913.	1.5	6
89	Ultrastructure of pedal muscle as a function of temperature in nacellid limpets. Marine Biology, 2010, 157, 1705-1712.	1.5	6
90	Spatial variation in reproduction in southern populations of the New Zealand bivalve<i>Paphies ventricosa</i>(Veneroida: Mesodesmatidae). Invertebrate Reproduction and Development, 2015, 59, 81-95.	0.8	6

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91	The population genetic structure of the urchin Centrostephanus rodgersii in New ZealandÂwith links to Australia. Marine Biology, 2021, 168, 1.	1.5	6
92	Ocean acidification induces carry-over effects on the larval settlement of the New Zealand abalone, <i>Haliotis iris</i>. ICES Journal of Marine Science, 2021, 78, 340-348.	2.5	5
93	Seasonal reproduction of the blue mussel (<i>Mytilus galloprovincialis</i>) from two locations in southern New Zealand. New Zealand Journal of Marine and Freshwater Research, 0, , 1-15.	2.0	4
94	Fast Changes in the Bioenergetic Balance of Krill in Response to Environmental Stress. Frontiers in Marine Science, 2022, 8, .	2.5	2
95	Carotenoid composition of a New Zealand (Evechinus chloroticus) and an Australian (Heliocidaris) Tj ETQq1 1 0.784314 rgBT /Overlock	1.8	1
96	Review of the biology of the krill genus Nyctiphanes G.O. Sars, 1883 (Euphausiacea: Euphausiidae): challenges for future research on environmental change. Journal of Crustacean Biology, 2021, 41, .	0.8	1
97	Egg laying and embryo development of Octopus huttoni in response to temperature and season. Marine and Freshwater Research, 2021, 72, 638.	1.3	1
98	Reproductive changes in Foveaux Strait <i>Ostrea chilensis</i>, Southern New Zealand, after <i>Bonamia exitiosa</i> epidemics. New Zealand Journal of Marine and Freshwater Research, 2023, 57, 242-260.	2.0	1
99	Modelling the effects of food limitation and temperature on the growth and reproduction of the krill Nyctiphanes australis. Estuarine, Coastal and Shelf Science, 2022, 268, 107785.	2.1	0