Maria Byrne

List of Publications by Year
in descending order

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364 papers	16,018 citations	23879 60 h-index	33145 104 g-index
376 all docs	376 docs citations	376 times ranked	11290 citing authors

#	Article	IF	Citations
1	Essential outcomes for COP26. Global Change Biology, 2022, 28, 1-3.	4.2	40
2	Effects of raised temperature on viviparous reproduction in the marine isopod Cirolana harfordi. Journal of Experimental Marine Biology and Ecology, 2022, 546, 151648.	0.7	0
3	Overview of the Great Barrier Reef sea cucumber fishery with focus on vulnerable and endangered species. Biological Conservation, 2022, 266, 109451.	1.9	9
4	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, , .	4.2	9
5	A traitâ€based framework for assessing the vulnerability of marine species to human impacts. Ecosphere, 2022, 13, .	1.0	14
6	Crown of thorns starfish life-history traits contribute to outbreaks, a continuing concern for coral reefs. Emerging Topics in Life Sciences, 2022, 6, 67-79.	1.1	18
7	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. Environmental Science & Technology, 2022, 56, 9015-9028.	4.6	10
8	Acclimation to low pH does not affect the thermal tolerance of Arbacia lixula progeny. Biology Letters, 2022, 18, .	1.0	1
9	The effect of ocean acidification on the escape behaviour of the sea star Parvulastra exigua to its sea star predator Meridiastra calcar. Journal of Experimental Marine Biology and Ecology, 2022, 555, 151779.	0.7	0
10	Current and future trophic interactions in tropical shallow-reef lagoon habitats. Coral Reefs, 2021, 40, 83-96.	0.9	6
11	Effects of marine heatwave conditions across the metamorphic transition to the juvenile sea urchin (Heliocidaris erythrogramma). Marine Pollution Bulletin, 2021, 163, 111914.	2.3	13
12	Forecasting impacts of ocean acidification on marine communities: Utilizing volcanic CO₂ vents as natural laboratories. Global Change Biology, 2021, 27, 1995-1997.	4.2	6
13	Interactive effects of increased temperature and gadolinium pollution in Paracentrotus lividus sea urchin embryos: a climate change perspective. Aquatic Toxicology, 2021, 232, 105750.	1.9	14
14	Microbiome reduction and endosymbiont gain from a switch in sea urchin life history. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	20
15	Adult exposure to ocean acidification and warming remains beneficial for oyster larvae following starvation. ICES Journal of Marine Science, 2021, 78, 1587-1598.	1.2	6
16	Synthesis of Thresholds of Ocean Acidification Impacts on Echinoderms. Frontiers in Marine Science, 2021, 8, .	1.2	15
17	Adult exposure to ocean acidification and warming leads to limited beneficial responses for oyster larvae. ICES Journal of Marine Science, 2021, 78, 2017-2030.	1.2	8
18	Developing in the intertidal: effects of salinity and temperature on development to the pentameral juvenile seastar, Parvulastra exigua. Marine Biology, 2021, 168, 1.	0.7	6

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19	Energetic lipid responses of larval oysters to ocean acidification. Marine Pollution Bulletin, 2021, 168, 112441.	2.3	8
20	Predatorâ€“prey behavioural interactions between the asterinid seastars Meridiastra calcar and Parvulastra exigua sympatric on the rocky shores of southeast Australia. Marine Biology, 2021, 168, 1.	0.7	4
21	The population genetic structure of the urchin Centrostephanus rodgersii in New ZealandÂwith links to Australia. Marine Biology, 2021, 168, 1.	0.7	6
22	Selection on genes associated with the evolution of divergent life histories: Gamete recognition or something else?. Evolution & Development, 2021, 23, 423-438.	1.1	1
23	Capacity of an ecologically key urchin to recover from extreme events: Physiological impacts of heatwaves and the road to recovery. Science of the Total Environment, 2021, 785, 147281.	3.9	38
24	Transcriptomic analysis of Nodal â€“ and BMP- associated genes during development to the juvenile seastar in Parvulastra exigua (Asterinidae). Marine Genomics, 2021, 59, 100857.	0.4	2
25	Differential tolerance of species alters the seasonal response of marine epifauna to extreme warming. Science of the Total Environment, 2021, 797, 149215.	3.9	7
26	Temporal variability in gametogenesis and spawning patterns of crown-of-thorns starfish within the outbreak initiation zone in the northern Great Barrier Reef. Marine Biology, 2021, 168, 1.	0.7	15
27	Evolutionary modification of gastrulation in Parvulastra exigua , an asterinid seastar with holobenthic lecithotrophic development. Evolution & Development, 2021, 23, 63-71.	1.1	1
28	Impacts of Acclimation in Warm-Low pH Conditions on the Physiology of the Sea Urchin Heliocidaris erythrogramma and Carryover Effects for Juvenile Offspring. Frontiers in Marine Science, 2021, 7, .	1.2	23
29	The Waiting Stage, Prolonged Residency in Nursery Habitats by Juveniles of the Predatory Sea StarMarthasterias glacialis. Biological Bulletin, 2021, 241, 219-230.	0.7	6
30	Knowledge Gaps in the Biology, Ecology, and Management of the Pacific Crown-of-Thorns Sea StarAcanthastersp. on Australiaâ€™s Great Barrier Reef. Biological Bulletin, 2021, 241, 330-346.	0.7	25
31	Cloning and Selfing Affect Population Genetic Variation in Simulations of Outcrossing, Sexual Sea Stars. Biological Bulletin, 2021, 241, 286-302.	0.7	5
32	Echidnas of the Sea: The Defensive Behavior of Juvenile and Adult Crown-of-Thorns Sea Stars. Biological Bulletin, 2021, 241, 259-270.	0.7	6
33	Limitations of crossâ€•and multigenerational plasticity for marine invertebrates faced with global climate change. Global Change Biology, 2020, 26, 80-102.	4.2	105
34	Nonspecific expression of fertilization genes in the crownâ€•ofâ€thorns Acanthaster cf. solaris : Unexpected evidence of hermaphroditism in a coral reef predator. Molecular Ecology, 2020, 29, 363-379.	2.0	10
35	The effects of long-term exposure to low pH on the skeletal microstructure of the sea urchin Heliocidaris erythrogramma. Journal of Experimental Marine Biology and Ecology, 2020, 523, 151250.	0.7	11
36	Ocean acidification induces distinct transcriptomic responses across life history stages of the sea urchin Heliocidaris erythrogramma. Molecular Ecology, 2020, 29, 4618-4636.	2.0	14

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37	Diet flexibility and growth of the early herbivorous juvenile crown-of-thorns sea star, implications for its boom-bust population dynamics. PLoS ONE, 2020, 15, e0236142.	1.1	19
38	Amelioration of ocean acidification and warming effects through physiological buffering of a macroalgae. Ecology and Evolution, 2020, 10, 8465-8475.	0.8	25
39	Developing in a warming intertidal, negative carry over effects of heatwave conditions in development to the pentameral starfish in Parvulastra exigua. Marine Environmental Research, 2020, 162, 105083.	1.1	15
40	Centrostephanus rodgersii and Centrostephanus tenuispinus. Developments in Aquaculture and Fisheries Science, 2020, 43, 379-396.	1.3	7
41	Transcriptomic analysis of sea star development through metamorphosis to the highly derived pentameral body plan with a focus on neural transcription factors. DNA Research, 2020, 27, .	1.5	11
42	Temporal pattern of offspring release and degree of parental investment in two viviparous asterinid sea stars with an overview of matrotrophy and offspring size variation in echinoderms that care for their offspring. Invertebrate Reproduction and Development, 2020, 64, 249-261.	0.3	1
43	Resilience of the amphipod Hyale niger and its algal host Sargassum linearifolium to heatwave conditions. Marine Biology, 2020, 167, 1.	0.7	7
44	Responses of sea urchin larvae to field and laboratory acidification. Science of the Total Environment, 2020, 723, 138003.	3.9	11
45	Effects of low and high pH on sea urchin settlement, implications for the use of alkali to counter the impacts of acidification. Aquaculture, 2020, 528, 735618.	1.7	10
46	Thermal tolerance in the amphipod Sunamphitoe parmerong from a global warming hotspot, acclimatory carryover effects within generation. Marine Environmental Research, 2020, 160, 105048.	1.1	5
47	The Link between Autotomy and CNS Regeneration: Echinoderms as Nonâ€Model Species for Regenerative Biology. BioEssays, 2020, 42, e1900219.	1.2	22
48	Civil disobedience movements such as School Strike for the Climate are raising public awareness of the climate change emergency. Global Change Biology, 2020, 26, 1042-1044.	4.2	40
49	Characterizing biogeochemical fluctuations in a world of extremes: A synthesis for temperate intertidal habitats in the face of global change. Global Change Biology, 2020, 26, 3858-3879.	4.2	24
50	Sea urchins in a high CO2 world: Impacts of climate warming and ocean acidification across life history stages. Developments in Aquaculture and Fisheries Science, 2020, , 281-297.	1.3	28
51	Genetic basis for divergence in developmental gene expression in two closely related sea urchins. Nature Ecology and Evolution, 2020, 4, 831-840.	3.4	18
52	The hidden army: corallivorous crown-of-thorns seastars can spend years as herbivorous juveniles. Biology Letters, 2020, 16, 20190849.	1.0	39
53	Can prior exposure to stress enhance resilience to ocean warming in two oyster species?. PLoS ONE, 2020, 15, e0228527.	1.1	18
54	Priority species to support the functional integrity of coral reefs. , 2020, , 179-326.		16

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55	Lipid and protein utilization during lecithotrophic development in the asteroid Stegnaster inflatus, with a review of larval provisioning in lecithotrophic echinoderms. Marine Ecology - Progress Series, 2020, 641, 123-134.	0.9	3
56	Larval energetics of the Sydney rock oyster Saccostrea glomerata and Pacific oyster Magallana gigas. Marine Ecology - Progress Series, 2020, 656, 51-64.	0.9	5
57	Characterization of the lecithotrophic larval development of the temperate New Zealand asterinid Stegnaster inflatus. Invertebrate Biology, 2019, 138, e12244.	0.3	2
58	Sea urchin reproductive performance in a changing ocean: poor males improve while good males worsen in response to ocean acidification. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190785.	1.2	17
59	Description and phylogenetic relationships of a new genus of sea cucumbers from Australia, with two new combinations (Holothuroidea, Stichopodidae). Marine Biodiversity, 2019, 49, 2499-2518.	0.3	2
60	Refugia under threat: Mass bleaching of coral assemblages in highâ€latitude eastern Australia. Global Change Biology, 2019, 25, 3918-3931.	4.2	56
61	<p class="HeadingRunIn">Arrangement and size variation of intra-gonadal offspring in a viviparous asterinid sea star</p>. Zoosymposia, 2019, 15, 71-82.	0.3	3
62	Selectively bred oysters can alter their biomineralization pathways, promoting resilience to environmental acidification. Global Change Biology, 2019, 25, 4105-4115.	4.2	35
63	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.	0.9	30
64	Culturing echinoderm larvae through metamorphosis. Methods in Cell Biology, 2019, 150, 125-169.	0.5	27
65	respRâ€”An R package for the manipulation and analysis of respirometry data. Methods in Ecology and Evolution, 2019, 10, 912-920.	2.2	61
66	Implications of range overlap in the commercially important pan-tropical sea urchin genus Tripneustes (Echinoidea: Toxopneustidae). Marine Biology, 2019, 166, 1.	0.7	8
67	Intragonadal incubation of progeny in three viviparous asterinid sea stars that differ in offspring provisioning, lecithotrophy vs matrotrophy. Marine Biology, 2019, 166, 1.	0.7	5
68	Forever fissiparous: asexual propagation and stable demography in a tropical and geographically isolated asterinid sea star. Marine Biology, 2019, 166, 1.	0.7	8
69	A comparative analysis of egg provisioning using mass spectrometry during rapid life history evolution in sea urchins. Evolution & Development, 2019, 21, 188-204.	1.1	20
70	Rudolf A. Raff. Evolution & Development, 2019, 21, 113-114.	1.1	1
71	Expression of the neuropeptide SALMFamide-1 during regeneration of the seastar radial nerve cord following arm autotomy. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20182701.	1.2	14
72	Effects of magnesium deprivation on development and biomineralization in the sea urchin Arbacia lixula. Invertebrate Reproduction and Development, 2019, 63, 165-176.	0.3	10

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73	Living in future ocean acidification, physiological adaptive responses of the immune system of sea urchins resident at a CO2 vent system. Science of the Total Environment, 2019, 672, 938-950.	3.9	53
74	Optimising Sampling Strategies in Coral Reefs Using Large-Area Mosaics. Remote Sensing, 2019, 11, 2907.	1.8	13
75	The impact of environmental acidification on the microstructure and mechanical integrity of marine invertebrate skeletons. , 2019, 7, coz062.		61
76	Early development of the feeding larva of the sea urchin Heliocidaris tuberculata: role of the small micromeres. Development Genes and Evolution, 2019, 229, 1-12.	0.4	3
77	Phylogenomics, life history and morphological evolution of ophiocomid brittlestars. Molecular Phylogenetics and Evolution, 2019, 130, 67-80.	1.2	22
78	Gonad development and spawning of the Vulnerable commercial sea cucumber, Stichopus herrmanni, in the southern Great Barrier Reef. Journal of the Marine Biological Association of the United Kingdom, 2019, 99, 487-495.	0.4	4
79	Variability in egg and jelly-coat size and their contribution to target size for spermatozoa: a review for the Echinodermata. Marine and Freshwater Research, 2019, 70, 995.	0.7	7
80	Established and Emerging Techniques for Characterising the Formation, Structure and Performance of Calcified Structures under Ocean Acidification. , 2019, , 89-125.		11
81	Larval cloning in the crown-of-thorns sea star, a keystone coral predator. Marine Ecology - Progress Series, 2019, 609, 271-276.	0.9	26
82	Evolution of maternal lipid provisioning strategies in echinoids with non-feeding larvae: selection for high-quality juveniles. Marine Ecology - Progress Series, 2019, 616, 95-106.	0.9	17
83	Restoring the flat oyster Ostrea angasi in the face of a changing climate. Marine Ecology - Progress Series, 2019, 625, 27-39.	0.9	12
84	Effect of sublethal predation on reproductive output of the crown-of-thorns starfish Acanthaster sp., with an overview of arm damage. Marine Ecology - Progress Series, 2019, 629, 103-116.	0.9	10
85	Embryo microinjection of the lecithotrophic sea urchin Heliocidaris erythrogramma. Journal of Biological Methods, 2019, 6, e119.	1.0	3
86	Cherchez la femme - impact of ocean acidification on the egg jelly coat and attractants for sperm. Journal of Experimental Biology, 2018, 221, .	0.8	15
87	Impacts of ocean acidification on sea urchin growth across the juvenile to mature adult life-stage transition is mitigated by warming. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20172684.	1.2	33
88	Timing of mass spawning in corals: potential influence of the coincidence of lunar factors and associated changes in atmospheric pressure from northern and southern hemisphere case studies. Invertebrate Reproduction and Development, 2018, 62, 98-108.	0.3	7
89	Temperature effects on a marine herbivore depend strongly on diet across multiple generations. Oecologia, 2018, 187, 483-494.	0.9	7
90	Ocean acidification but not warming alters sex determination in the Sydney rock oyster, Saccostrea glomerata. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20172869.	1.2	24

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91	A dynamic energy budget model to describe the reproduction and growth of invasive starfish Asterias amurensis in southeast Australia. Biological Invasions, 2018, 20, 2015-2031.	1.2	6
92	Altered sediment biota and lagoon habitat carbonate dynamics due to sea cucumber bioturbation in a highâ€‹pCO₂ environment. Global Change Biology, 2018, 24, 465-480.	4.2	22
93	Habitat structural complexity metrics improve predictions of fish abundance and distribution. Ecography, 2018, 41, 1077-1091.	2.1	61
94	Expression of genes and proteins of the paxâ€‹6â€‹eyaâ€‹dach network in the metamorphic sea urchin: Insights into development of the enigmatic echinoderm body plan and sensory structures. Developmental Dynamics, 2018, 247, 239-249.	0.8	21
95	Ocean acidification alters zooplankton communities and increases topâ€‹down pressure of a cubozoan predator. Global Change Biology, 2018, 24, e128-e138.	4.2	13
96	Gadolinium perturbs expression of skeletogenic genes, calcium uptake and larval development in phylogenetically distant sea urchin species. Aquatic Toxicology, 2018, 194, 57-66.	1.9	38
97	Technical note: Continuous fluorescence-based monitoring of seawater pH in situ. Biogeosciences, 2018, 15, 4291-4299.	1.3	9
98	Revisiting the larval dispersal black box in the Anthropocene. ICES Journal of Marine Science, 2018, 75, 1841-1848.	1.2	20
99	Diet-induced shifts in the crown-of-thorns (Acanthaster sp.) larval microbiome. Marine Biology, 2018, 165, 1.	0.7	28
100	The effect of warming on mortality, metabolic rate, heat-shock protein response and gonad growth in thermally acclimated sea urchins (Heliocidaris erythrogramma). Marine Biology, 2018, 165, 1.	0.7	37
101	Residing at low pH matters, resilience of the egg jelly coat of sea urchins living at a CO2 vent site. Marine Biology, 2018, 165, 1.	0.7	13
102	Coastal acidification impacts on shell mineral structure of bivalve mollusks. Ecology and Evolution, 2018, 8, 8973-8984.	0.8	36
103	Enhanced performance of juvenile crown of thorns starfish in a warm-high CO2 ocean exacerbates poor growth and survival of their coral prey. Coral Reefs, 2018, 37, 751-762.	0.9	20
104	Large-scale assessment of benthic communities across multiple marine protected areas using an autonomous underwater vehicle. PLoS ONE, 2018, 13, e0193711.	1.1	19
105	Marine infrastructure supports abundant, diverse fish assemblages at the expense of beta diversity. Marine Biology, 2018, 165, 1.	0.7	70
106	The Carbon Dioxide Vents of Ischia, Italy, A Natural System to Assess Impacts of Ocean Acidification on Marine Ecosystems: An Overview of Research and Comparisons with Other Vent Systems. , 2018, , 237-310.		40
107	Ocean warming has greater and more consistent negative effects than ocean acidification on the growth and health of subtropical macroalgae. Marine Ecology - Progress Series, 2018, 595, 55-69.	0.9	35
108	Larval thermal windows in native and hybrid Pseudoboletia progeny (Echinoidea) as potential drivers of the hybridization zone. Marine Ecology - Progress Series, 2018, 598, 99-112.	0.9	6

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109	Effects of ocean acidification on the settlement and metamorphosis of marine invertebrate and fish larvae: a review. Marine Ecology - Progress Series, 2018, 606, 237-257.	0.9	54
110	Effects of exposure to gadolinium on the development of geographically and phylogenetically distant sea urchins species. Marine Environmental Research, 2017, 128, 98-106.	1.1	43
111	Superstars: Assessing nutrient thresholds for enhanced larval success of Acanthaster planci , a review of the evidence. Marine Pollution Bulletin, 2017, 116, 307-314.	2.3	41
112	Patterns of Sediment Transport Using Foraminifera Tracers across Sand Aprons on the Great Barrier Reef. Journal of Coastal Research, 2017, 33, 864-873.	0.1	11
113	Nodal and BMP expression during the transition to pentamery in the sea urchin Heliocidaris erythrogramma: insights into patterning the enigmatic echinoderm body plan. BMC Developmental Biology, 2017, 17, 4.	2.1	24
114	Marine gametes in a changing ocean: Impacts of climate change stressors on fecundity and the egg. Marine Environmental Research, 2017, 128, 12-24.	1.1	35
115	Adult exposure to ocean acidification is maladaptive for larvae of the Sydney rock oyster Saccostrea glomerata in the presence of multiple stressors. Biology Letters, 2017, 13, 20160798.	1.0	70
116	Lifeâ€history predicts past and present population connectivity in two sympatric sea stars. Ecology and Evolution, 2017, 7, 3916-3930.	0.8	17
117	Indirect effects of ocean acidification drive feeding and growth of juvenile crown-of-thorns starfish, Acanthaster planci. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170778.	1.2	27
118	Incorporating inÂsitu habitat patchiness in site selection models reveals that site fidelity is not always a consequence of animal choice. Journal of Animal Ecology, 2017, 86, 847-856.	1.3	13
119	Effects of dredging on critical ecological processes for marine invertebrates, seagrasses and macroalgae, and the potential for management with environmental windows using Western Australia as a case study. Ecological Indicators, 2017, 78, 229-242.	2.6	34
120	Global warming and recurrent mass bleaching of corals. Nature, 2017, 543, 373-377.	13.7	2,363
121	Ocean acidification narrows the acute thermal and salinity tolerance of the Sydney rock oyster Saccostrea glomerata. Marine Pollution Bulletin, 2017, 122, 263-271.	2.3	57
122	Biology and ecology of the vulnerable holothuroid, Stichopus herrmanni, on a high-latitude coral reef on the Great Barrier Reef. Coral Reefs, 2017, 36, 1143-1156.	0.9	20
123	Morphological response of the larvae of Arbacia lixula to near-future ocean warming and acidification. ICES Journal of Marine Science, 2017, 74, 1180-1190.	1.2	14
124	Mg/Ca and Sr/Ca as novel geochemical proxies for understanding sediment transport processes within coral reefs. Estuarine, Coastal and Shelf Science, 2017, 197, 54-68.	0.9	7
125	Characterization of measurement errors using structureâ€fromâ€motion and photogrammetry to measure marine habitat structural complexity. Ecology and Evolution, 2017, 7, 5669-5681.	0.8	49
126	Population biology and recruitment of a vulnerable sea cucumber, Stichopus herrmanni, on a protected reef. Marine Ecology, 2017, 38, e12397.	0.4	7

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127	Ocean acidification has little effect on developmental thermal windows of echinoderms from Antarctica to the tropics. Global Change Biology, 2017, 23, 657-672.	4.2	37
128	Paternal identity influences response of Acanthaster planci embryos to ocean acidification and warming. Coral Reefs, 2017, 36, 325-338.	0.9	17
129	Spatial and temporal variation in reef-scale carbonate storage of large benthic foraminifera: a case study on One Tree Reef. Coral Reefs, 2017, 36, 293-303.	0.9	24
130	3D photogrammetry quantifies growth and external erosion of individual coral colonies and skeletons. Scientific Reports, 2017, 7, 16737.	1.6	82
131	The Effects of Salinity and pH on Fertilization, Early Development, and Hatching in the Crown-of-Thorns Seastar. Diversity, 2017, 9, 13.	0.7	13
132	Thirty Years of Research on Crown-of-Thorns Starfish (1986â€“2016): Scientific Advances and Emerging Opportunities. Diversity, 2017, 9, 41.	0.7	126
133	Three-stage lipid dynamics during development of planktotrophic echinoderm larvae. Marine Ecology - Progress Series, 2017, 583, 149-161.	0.9	15
134	Acclimatization and Adaptive Capacity of Marine Species in a Changing Ocean. Advances in Marine Biology, 2016, 74, 69-116.	0.7	87
135	Evolution of a pentameral body plan was not linked to translocation of anterior Hox genes: the echinoderm HOX cluster revisited. Evolution & Development, 2016, 18, 137-143.	1.1	37
136	What and when to eat? Investigating the feeding habits of an intertidal herbivorous starfish. Marine Biology, 2016, 163, 1.	0.7	11
137	Effects of ocean warming and lowered pH on algal growth and palatability to a grazing gastropod. Marine Biology, 2016, 163, 1.	0.7	32
138	Effects of multiple climate change stressors: ocean acidification interacts with warming, hyposalinity, and low food supply on the larvae of the brooding flat oyster Ostrea angasi. Marine Biology, 2016, 163, 1.	0.7	57
139	SpermBindinDivergence under Sexual Selection and Concerted Evolution in Sea Stars. Molecular Biology and Evolution, 2016, 33, 1988-2001.	3.5	11
140	Near-future ocean acidification enhances the feeding rate and development of the herbivorous juveniles of the crown-of-thorns starfish, Acanthaster planci. Coral Reefs, 2016, 35, 1241-1251.	0.9	24
141	Ocean acidification: Linking science to management solutions using the Great Barrier Reef as a case study. Journal of Environmental Management, 2016, 182, 641-650.	3.8	22
142	Sea urchins in a high-CO ₂ world: the influence of acclimation on the immune response to ocean warming and acidification. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161501.	1.2	34
143	From pole to pole: the potential for the Arctic seastar Asterias amurensis to invade a warming Southern Ocean. Global Change Biology, 2016, 22, 3874-3887.	4.2	35
144	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.	0.7	16

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145	Quantifying the response of structural complexity and community composition to environmental change in marine communities. Global Change Biology, 2016, 22, 1965-1975.	4.2	81
146	Transgenerational responses of molluscs and echinoderms to changing ocean conditions. ICES Journal of Marine Science, 2016, 73, 537-549.	1.2	113
147	Urchins in a high CO2 world: partitioned effects of body-size, ocean warming and acidification on metabolic rate. Journal of Experimental Biology, 2016, 219, 1178-86.	0.8	55
148	Biogenic acidification reduces sea urchin gonad growth and increases susceptibility of aquaculture to ocean acidification. Marine Environmental Research, 2016, 113, 39-48.	1.1	30
149	Characterization of the Sounds Produced by Temperate and Tropical Sea Urchins During Feeding (Diadematidae and Echinometridae). Advances in Experimental Medicine and Biology, 2016, 875, 1075-1080.	0.8	2
150	Ecological Roles of Exploited Sea Cucumbers. Oceanography and Marine Biology, 2016, , 367-386.	1.0	44
151	Comparative Developmental Transcriptomics Reveals Rewiring of a Highly Conserved Gene Regulatory Network during a Major Life History Switch in the Sea Urchin Genus Heliocidaris. PLoS Biology, 2016, 14, e1002391.	2.6	78
152	Adaptive capacity of the sea urchin Heliocidaris erythrogramma to ocean change stressors: responses from gamete performance to the juvenile. Marine Ecology - Progress Series, 2016, 556, 161-172.	0.9	17
153	Risk and resilience: variations in magnesium in echinoid skeletal calcite. Marine Ecology - Progress Series, 2016, 561, 1-16.	0.9	34
154	Opsin evolution in the Ambulacraria. Marine Genomics, 2015, 24, 177-183.	0.4	50
155	Australian sea-floor survey data, with images and expert annotations. Scientific Data, 2015, 2, 150057.	2.4	31
156	Carbonic anhydrase inhibition blocks skeletogenesis and echinochrome production in Paracentrotus lividus and Heliocidaris tuberculata embryos and larvae. Development Growth and Differentiation, 2015, 57, 507-514.	0.6	19
157	The sea cucumber fishery in Australia's Great Barrier Reef Marine Park follows global patterns of serial exploitation. Fish and Fisheries, 2015, 16, 329-341.	2.7	35
158	Accuracy and Precision of Habitat Structural Complexity Metrics Derived from Underwater Photogrammetry. Remote Sensing, 2015, 7, 16883-16900.	1.8	133
159	Transcriptomic analysis of Nodal- and BMP-associated genes during juvenile development of the sea urchin Heliocidaris erythrogramma. Marine Genomics, 2015, 24, 41-45.	0.4	11
160	Contrasting arm elevation angles of multi- and two-armed sea urchin echinoplutei supports GrÃ¼nbaum and Strathmannâ€™s hydromechanical model. Marine Biology, 2015, 162, 607-616.	0.7	8
161	Biogenic acidification drives density-dependent growth of a calcifying invertebrate in culture. Marine Biology, 2015, 162, 1541-1558.	0.7	19
162	Differential establishment potential of species predicts a shift in coral assemblage structure across a biogeographic barrier. Ecography, 2015, 38, 1225-1234.	2.1	38

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