Maria Byrne

List of Publications by Year
in descending order

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357	16,771	20634	28046
papers	citations	60 h-index	106 g-index

397	397	397	12039
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Artificial light at night and warming impact grazing rates and gonad index of the sea urchin Centrostephanus rodgersii. Proceedings of the Royal Society B: Biological Sciences, 2024, 291, .	2.8	0
2	Taxaâ€dependent temporal trends in the abundance and size of sea urchins in subtropical eastern Australia. Ecology and Evolution, 2024, 14, .	1.9	0
3	Evoâ€devo in the ophiuroid family Ophiocomidae. Invertebrate Biology, 2024, 143, .	0.9	0
4	Larval development in the apodid sea cucumber <scp>Chiridota gigas</scp>, with a focus on coelom development and the serotonergic nervous system during metamorphosis. Invertebrate Biology, 2024, 143, .	0.9	0
5	Chemosensory behaviour of juvenile crown-of-thorns sea star (Acanthaster sp.), attraction to algal and coral food and avoidance of adult conspecifics. Proceedings of the Royal Society B: Biological Sciences, 2024, 291, .	2.8	0
6	Genetic variation in the brooding brittle-star: a global hybrid polyploid complex?. Royal Society Open Science, 2024, 11, .	2.5	0
7	Warming and hypoxia threaten a valuable scallop fishery: A warning for commercial bivalve ventures in climate change hotspots. Global Change Biology, 2023, 29, 2043-2045.	9.7	3
8	Morphological, Physiological and Mechanical Features of the Mutable Collagenous Tissues Associated with Autotomy and Evisceration in Dendrochirotid Holothuroids. Marine Drugs, 2023, 21, 134.	4.6	3
9	Hybrid Epigenomes Reveal Extensive Local Genetic Changes to Chromatin Accessibility Contribute to Divergence in Embryonic Gene Expression Between Species. Molecular Biology and Evolution, 2023, 40, .	9.2	4
10	Juvenile waiting stage crownâ€ofâ€thorns sea stars are resilient in heatwave conditions that bleach and kill corals. Global Change Biology, 2023, 29, 6493-6502.	9.7	2
11	Essential outcomes for COP26. Global Change Biology, 2022, 28, 1-3.	9.7	44
12	Effects of raised temperature on viviparous reproduction in the marine isopod Cirolana harfordi. Journal of Experimental Marine Biology and Ecology, 2022, 546, 151648.	1.5	1
13	Overview of the Great Barrier Reef sea cucumber fishery with focus on vulnerable and endangered species. Biological Conservation, 2022, 266, 109451.	4.2	12
14	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, 28, 3040-3053.	9.7	13
15	A traitâ€based framework for assessing the vulnerability of marine species to human impacts. Ecosphere, 2022, 13, .	2.2	17
16	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.	2.6	23
17	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.	10.5	11
18	Acclimation to low pH does not affect the thermal tolerance of Arbacia lixula progeny. Biology Letters, 2022, 18, .	2.4	2

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19	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.	1.5	1
20	Evolutionary Changes in the Chromatin Landscape Contribute to Reorganization of a Developmental Gene Network During Rapid Life History Evolution in Sea Urchins. Molecular Biology and Evolution, 2022, 39, .	9.2	9
21	Liveâ€fastâ€dieâ€young: Carryover effects of heatwaveâ€exposed adult urchins on the development of the next generation. Global Change Biology, 2022, 28, 5781-5792.	9.7	11
22	Stability of coral reef islands and associated legal maritime zones in a changing ocean. Environmental Research Letters, 2022, 17, 093003.	5.3	4
23	Effects of marine heatwave conditions across the metamorphic transition to the juvenile sea urchin (Heliocidaris erythrogramma). Marine Pollution Bulletin, 2021, 163, 111914.	5.0	13
24	Forecasting impacts of ocean acidification on marine communities: Utilizing volcanic CO₂ vents as natural laboratories. Global Change Biology, 2021, 27, 1995-1997.	9.7	9
25	Interactive effects of increased temperature and gadolinium pollution in Paracentrotus lividus sea urchin embryos: a climate change perspective. Aquatic Toxicology, 2021, 232, 105750.	4.0	16
26	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, .	7.6	24
27	Adult exposure to ocean acidification and warming remains beneficial for oyster larvae following starvation. ICES Journal of Marine Science, 2021, 78, 1587-1598.	2.5	7
28	Synthesis of Thresholds of Ocean Acidification Impacts on Echinoderms. Frontiers in Marine Science, 2021, 8, .	2.5	19
29	Adult exposure to ocean acidification and warming leads to limited beneficial responses for oyster larvae. ICES Journal of Marine Science, 2021, 78, 2017-2030.	2.5	9
30	Developing in the intertidal: effects of salinity and temperature on development to the pentameral juvenile seastar, Parvulastra exigua. Marine Biology, 2021, 168, 1.	1.5	7
31	Energetic lipid responses of larval oysters to ocean acidification. Marine Pollution Bulletin, 2021, 168, 112441.	5.0	9
32	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.	1.5	5
33	The population genetic structure of the urchin Centrostephanus rodgersii in New ZealandÂwith links to Australia. Marine Biology, 2021, 168, 1.	1.5	6
34	Selection on genes associated with the evolution of divergent life histories: Gamete recognition or something else?. Evolution & Development, 2021, 23, 423-438.	2.1	1
35	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.	8.2	38
36	Transcriptomic analysis of Nodal â€“ and BMP- associated genes during development to the juvenile seastar in Parvulastra exigua (Asterinidae). Marine Genomics, 2021, 59, 100857.	1.1	4

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37	Differential tolerance of species alters the seasonal response of marine epifauna to extreme warming. Science of the Total Environment, 2021, 797, 149215.	8.2	8
38	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.	1.5	21
39	Evolutionary modification of gastrulation in Parvulastra exigua , an asterinid seastar with holobenthic lecithotrophic development. Evolution & Development, 2021, 23, 63-71.	2.1	1
40	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, .	2.5	26
41	The Waiting Stage, Prolonged Residency in Nursery Habitats by Juveniles of the Predatory Sea StarMarthasterias glacialis. Biological Bulletin, 2021, 241, 219-230.	1.7	7
42	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.	1.7	33
43	Cloning and Selfing Affect Population Genetic Variation in Simulations of Outcrossing, Sexual Sea Stars. Biological Bulletin, 2021, 241, 286-302.	1.7	5
44	Echidnas of the Sea: The Defensive Behavior of Juvenile and Adult Crown-of-Thorns Sea Stars. Biological Bulletin, 2021, 241, 259-270.	1.7	6
45	Limitations of crossâ€•and multigenerational plasticity for marine invertebrates faced with global climate change. Global Change Biology, 2020, 26, 80-102.	9.7	114
46	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.	3.6	11
47	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.	1.5	11
48	Ocean acidification induces distinct transcriptomic responses across life history stages of the sea urchin Heliocidaris erythrogramma. Molecular Ecology, 2020, 29, 4618-4636.	3.6	15
49	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.	2.5	22
50	Amelioration of ocean acidification and warming effects through physiological buffering of a macroalgae. Ecology and Evolution, 2020, 10, 8465-8475.	1.9	28
51	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.	2.5	16
52	Centrostephanus rodgersii and Centrostephanus tenuispinus. Developments in Aquaculture and Fisheries Science, 2020, 43, 379-396.	0.0	8
53	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, .	3.5	12
54	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.	0.8	2

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55	Resilience of the amphipod Hyale niger and its algal host Sargassum linearifolium to heatwave conditions. Marine Biology, 2020, 167, 1.	1.5	12
56	Responses of sea urchin larvae to field and laboratory acidification. Science of the Total Environment, 2020, 723, 138003.	8.2	13
57	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.	3.5	10
58	Thermal tolerance in the amphipod Sunamphitoe parmerong from a global warming hotspot, acclimatory carryover effects within generation. Marine Environmental Research, 2020, 160, 105048.	2.5	6
59	The Link between Autotomy and CNS Regeneration: Echinoderms as Nonâ€Model Species for Regenerative Biology. BioEssays, 2020, 42, e1900219.	2.6	24
60	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.	9.7	42
61	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.	9.7	25
62	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.	0.0	32
63	Genetic basis for divergence in developmental gene expression in two closely related sea urchins. Nature Ecology and Evolution, 2020, 4, 831-840.	8.0	23
64	The hidden army: corallivorous crown-of-thorns seastars can spend years as herbivorous juveniles. Biology Letters, 2020, 16, 20190849.	2.4	42
65	Can prior exposure to stress enhance resilience to ocean warming in two oyster species?. PLoS ONE, 2020, 15, e0228527.	2.5	21
66	Priority species to support the functional integrity of coral reefs. , 2020, , 179-326.		18
67	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.	1.9	3
68	Larval energetics of the Sydney rock oyster Saccostrea glomerata and Pacific oyster Magallana gigas. Marine Ecology - Progress Series, 2020, 656, 51-64.	1.9	7
69	Characterization of the lecithotrophic larval development of the temperate New Zealand asterinid Stegnaster inflatus. Invertebrate Biology, 2019, 138, e12244.	0.9	2
70	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.	2.8	18
71	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.	1.0	2
72	Refugia under threat: Mass bleaching of coral assemblages in highâ€latitude eastern Australia. Global Change Biology, 2019, 25, 3918-3931.	9.7	57

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73	<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	4
74	Selectively bred oysters can alter their biomineralization pathways, promoting resilience to environmental acidification. Global Change Biology, 2019, 25, 4105-4115.	9.7	35
75	Culturing echinoderm larvae through metamorphosis. Methods in Cell Biology, 2019, 150, 125-169.	2.1	34
76	respRâ€”An R package for the manipulation and analysis of respirometry data. Methods in Ecology and Evolution, 2019, 10, 912-920.	5.3	76
77	Implications of range overlap in the commercially important pan-tropical sea urchin genus Tripneustes (Echinoidea: Toxopneustidae). Marine Biology, 2019, 166, 1.	1.5	9
78	Intragonadal incubation of progeny in three viviparous asterinid sea stars that differ in offspring provisioning, lecithotrophy vs matrotrophy. Marine Biology, 2019, 166, 1.	1.5	7
79	Forever fissiparous: asexual propagation and stable demography in a tropical and geographically isolated asterinid sea star. Marine Biology, 2019, 166, 1.	1.5	8
80	A comparative analysis of egg provisioning using mass spectrometry during rapid life history evolution in sea urchins. Evolution & Development, 2019, 21, 188-204.	2.1	20
81	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.	2.8	15
82	Effects of magnesium deprivation on development and biomineralization in the sea urchin Arbacia lixula. Invertebrate Reproduction and Development, 2019, 63, 165-176.	0.8	12
83	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.	8.2	55
84	Optimising Sampling Strategies in Coral Reefs Using Large-Area Mosaics. Remote Sensing, 2019, 11, 2907.	4.1	13
85	The impact of environmental acidification on the microstructure and mechanical integrity of marine invertebrate skeletons. , 2019, 7, coz062.		67
86	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.	0.9	4
87	Phylogenomics, life history and morphological evolution of ophiocomid brittlestars. Molecular Phylogenetics and Evolution, 2019, 130, 67-80.	2.9	25
88	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.	0.9	5
89	Established and Emerging Techniques for Characterising the Formation, Structure and Performance of Calcified Structures under Ocean Acidification. , 2019, , 89-125.		11
90	Larval cloning in the crown-of-thorns sea star, a keystone coral predator. Marine Ecology - Progress Series, 2019, 609, 271-276.	1.9	27

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91	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.	1.9	19
92	Restoring the flat oyster Ostrea angasi in the face of a changing climate. Marine Ecology - Progress Series, 2019, 625, 27-39.	1.9	13
93	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.	1.9	11
94	Embryo microinjection of the lecithotrophic sea urchin Heliocidaris erythrogramma. Journal of Biological Methods, 2019, 6, e119.	0.7	4
95	Cherchez la femme - impact of ocean acidification on the egg jelly coat and attractants for sperm. Journal of Experimental Biology, 2018, 221, .	1.7	16
96	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.	2.8	35
97	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.	0.8	8
98	Temperature effects on a marine herbivore depend strongly on diet across multiple generations. Oecologia, 2018, 187, 483-494.	2.1	7
99	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.	2.8	24
100	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.	2.4	7
101	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.	9.7	24
102	Habitat structural complexity metrics improve predictions of fish abundance and distribution. Ecography, 2018, 41, 1077-1091.	4.7	64
103	Expression of genes and proteins of the paxâ€sixâ€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.	1.9	22
104	Ocean acidification alters zooplankton communities and increases topâ€down pressure of a cubozoan predator. Global Change Biology, 2018, 24, e128-e138.	9.7	15
105	Gadolinium perturbs expression of skeletogenic genes, calcium uptake and larval development in phylogenetically distant sea urchin species. Aquatic Toxicology, 2018, 194, 57-66.	4.0	41
106	Technical note: Continuous fluorescence-based monitoring of seawater pH in situ. Biogeosciences, 2018, 15, 4291-4299.	3.4	9
107	Revisiting the larval dispersal black box in the Anthropocene. ICES Journal of Marine Science, 2018, 75, 1841-1848.	2.5	20
108	Diet-induced shifts in the crown-of-thorns (Acanthaster sp.) larval microbiome. Marine Biology, 2018, 165, 1.	1.5	31

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109	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.	1.5	38
110	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.	1.5	13
111	Coastal acidification impacts on shell mineral structure of bivalve mollusks. Ecology and Evolution, 2018, 8, 8973-8984.	1.9	39
112	Large-scale assessment of benthic communities across multiple marine protected areas using an autonomous underwater vehicle. PLoS ONE, 2018, 13, e0193711.	2.5	23
113	Marine infrastructure supports abundant, diverse fish assemblages at the expense of beta diversity. Marine Biology, 2018, 165, 1.	1.5	71
114	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.		44
115	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.	1.9	35
116	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.	1.9	6
117	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.	1.9	58
118	Effects of exposure to gadolinium on the development of geographically and phylogenetically distant sea urchins species. Marine Environmental Research, 2017, 128, 98-106.	2.5	47
119	Superstars: Assessing nutrient thresholds for enhanced larval success of Acanthaster planci , a review of the evidence. Marine Pollution Bulletin, 2017, 116, 307-314.	5.0	44
120	Patterns of Sediment Transport Using Foraminifera Tracers across Sand Aprons on the Great Barrier Reef. Journal of Coastal Research, 2017, 33, 864-873.	0.3	12
121	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	26
122	Marine gametes in a changing ocean: Impacts of climate change stressors on fecundity and the egg. Marine Environmental Research, 2017, 128, 12-24.	2.5	39
123	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.	2.4	74
124	Lifeâ€history predicts past and present population connectivity in two sympatric sea stars. Ecology and Evolution, 2017, 7, 3916-3930.	1.9	18
125	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.	2.8	27
126	IncorporatinginÂsituhabitat 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.	2.9	13

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127	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.	6.4	35
128	Global warming and recurrent mass bleaching of corals. Nature, 2017, 543, 373-377.	36.2	2,503
129	Ocean acidification narrows the acute thermal and salinity tolerance of the Sydney rock oyster Saccostrea glomerata. Marine Pollution Bulletin, 2017, 122, 263-271.	5.0	61
130	Morphological response of the larvae of Arbacia lixula to near-future ocean warming and acidification. ICES Journal of Marine Science, 2017, 74, 1180-1190.	2.5	15
131	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.	2.1	7
132	Characterization of measurement errors using structureâ€fromâ€motion and photogrammetry to measure marine habitat structural complexity. Ecology and Evolution, 2017, 7, 5669-5681.	1.9	51
133	Population biology and recruitment of a vulnerable sea cucumber, Stichopus herrmanni, on a protected reef. Marine Ecology, 2017, 38, e12397.	1.1	7
134	Ocean acidification has little effect on developmental thermal windows of echinoderms from Antarctica to the tropics. Global Change Biology, 2017, 23, 657-672.	9.7	39
135	3D photogrammetry quantifies growth and external erosion of individual coral colonies and skeletons. Scientific Reports, 2017, 7, 16737.	3.4	84
136	The Effects of Salinity and pH on Fertilization, Early Development, and Hatching in the Crown-of-Thorns Seastar. Diversity, 2017, 9, 13.	1.7	13
137	Thirty Years of Research on Crown-of-Thorns Starfish (1986â€“2016): Scientific Advances and Emerging Opportunities. Diversity, 2017, 9, 41.	1.7	143
138	Filling in the Grazing Puzzle: A Synthesis of Herbivory in Starfish. , 2017, , 1-34.		3
139	Three-stage lipid dynamics during development of planktotrophic echinoderm larvae. Marine Ecology - Progress Series, 2017, 583, 149-161.	1.9	16
140	Acclimatization and Adaptive Capacity of Marine Species in a Changing Ocean. Advances in Marine Biology, 2016, 74, 69-116.	2.9	93
141	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.	2.1	41
142	What and when to eat? Investigating the feeding habits of an intertidal herbivorous starfish. Marine Biology, 2016, 163, 1.	1.5	11
143	Effects of ocean warming and lowered pH on algal growth and palatability to a grazing gastropod. Marine Biology, 2016, 163, 1.	1.5	33
144	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.	1.5	59

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145	SpermBindinDivergence under Sexual Selection and Concerted Evolution in Sea Stars. Molecular Biology and Evolution, 2016, 33, 1988-2001.	9.2	11
146	Ocean acidification: Linking science to management solutions using the Great Barrier Reef as a case study. Journal of Environmental Management, 2016, 182, 641-650.	7.9	22
147	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.	2.8	35
148	From pole to pole: the potential for the Arctic seastarAsterias amurensisto invade a warming Southern Ocean. Global Change Biology, 2016, 22, 3874-3887.	9.7	37
149	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
150	Quantifying the response of structural complexity and community composition to environmental change in marine communities. Global Change Biology, 2016, 22, 1965-1975.	9.7	84
151	Transgenerational responses of molluscs and echinoderms to changing ocean conditions. ICES Journal of Marine Science, 2016, 73, 537-549.	2.5	119
152	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.	1.7	56
153	Biogenic acidification reduces sea urchin gonad growth and increases susceptibility of aquaculture to ocean acidification. Marine Environmental Research, 2016, 113, 39-48.	2.5	30
154	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.	0.0	2
155	Ecological Roles of Exploited Sea Cucumbers. Oceanography and Marine Biology, 2016, , 367-386.	0.0	50
156	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.	5.4	83
157	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.	1.9	17
158	Risk and resilience: variations in magnesium in echinoid skeletal calcite. Marine Ecology - Progress Series, 2016, 561, 1-16.	1.9	38
159	Opsin evolution in the Ambulacraria. Marine Genomics, 2015, 24, 177-183.	1.1	53
160	Australian sea-floor survey data, with images and expert annotations. Scientific Data, 2015, 2, 150057.	5.4	34
161	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.	1.6	20
162	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.	5.3	35

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