Natalie A Moltschaniwskyj

List of Publications by Year
in descending order

85 papers	4,403 citations	159585 30 h-index	110387 64 g-index
86 all docs	86 docs citations	86 times ranked	4937 citing authors

#	Article	IF	Citations
1	Phase Shifts, Herbivory, and the Resilience of Coral Reefs to Climate Change. Current Biology, 2007, 17, 360-365.	3.9	1,239
2	Patterns of recruitment and abundance of corals along the Great Barrier Reef. Nature, 1999, 397, 59-63.	27.8	321
3	World Squid Fisheries. Reviews in Fisheries Science and Aquaculture, 2015, 23, 92-252.	9.1	211
4	Development of shy/bold behaviour in squid: context-specific phenotypes associated with developmental plasticity. Animal Behaviour, 2008, 75, 433-442.	1.9	165
5	Personality Traits in Dumpling Squid (Euprymna tasmanica) : Context-Specific Traits and Their Correlation With Biological Characteristics.. Journal of Comparative Psychology (Washington, D C:) Tj ETQq1 1 0.784314 rgBT /Overlock	1.5	
6	Heritability and fitness-related consequences of squid personality traits. Journal of Evolutionary Biology, 2006, 19, 1437-1447.	1.7	144
7	Ethical and welfare considerations when using cephalopods as experimental animals. Reviews in Fish Biology and Fisheries, 2007, 17, 455-476.	4.9	123
8	A systematic quantitative review of coastal and marine cultural ecosystem services: Current status and future research. Marine Policy, 2016, 74, 25-32.	3.2	92
9	Rapid assessment of an ocean warming hotspot reveals â€œhighâ€•confidence in potential speciesâ€™ range extensions. Global Environmental Change, 2015, 31, 28-37.	7.8	88
10	Asexual reproduction in scyphistomae of Aurelia sp.: Effects of temperature and salinity in an experimental study. Journal of Experimental Marine Biology and Ecology, 2007, 353, 107-114.	1.5	87
11	Assembly Rules of Reef Corals Are Flexible along a Steep Climatic Gradient. Current Biology, 2012, 22, 736-741.	3.9	81
12	Inter-annual plasticity of squid life history and population structure: ecological and management implications. Oecologia, 2004, 139, 515-524.	2.0	68
13	Population dynamics of natural colonies of Aurelia sp. scyphistomae in Tasmania, Australia. Marine Biology, 2008, 154, 661-670.	1.5	67
14	Warmer temperatures reduce rates of gametogenesis in temperate mussels, Mytilus galloprovincialis. Aquaculture, 2010, 305, 20-25.	3.5	66
15	Assessment of long term change in sediment condition after organic enrichment: defining recovery. Marine Pollution Bulletin, 2004, 49, 79-88.	5.0	61
16	Redmap Australia: Challenges and Successes With a Large-Scale Citizen Science-Based Approach to Ecological Monitoring and Community Engagement on Climate Change. Frontiers in Marine Science, 2019, 6, .	2.5	57
17	Limited use of stored energy reserves for reproduction by the tropical loliginid squid Photololigo sp.. Journal of Zoology, 2000, 251, 307-313.	1.7	52
18	Understanding the process of growth in cephalopods. Marine and Freshwater Research, 2004, 55, 379.	1.3	50

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19	Are behavioral syndromes invariant? Spatiotemporal variation in shy/bold behavior in squid. Behavioral Ecology and Sociobiology, 2010, 64, 693-702.	1.4	49
20	The role of temperature and maternal ration in embryo survival: using the dumpling squid Euprymna tasmanica as a model. Journal of Experimental Marine Biology and Ecology, 2004, 307, 73-89.	1.5	48
21	Evidence that lipid can be digested by the dumpling squid Euprymna tasmanica, but is not stored in the digestive gland. Marine Biology, 2006, 149, 565-572.	1.5	42
22	Recruitment and connectivity influence the role of seagrass as a penaeid nursery habitat in a wave dominated estuary. Science of the Total Environment, 2017, 584-585, 622-630.	8.0	42
23	Energy Storage and Reproduction in Mussels,Mytilus galloprovincialis: The Influence of Diet Quality. Journal of Shellfish Research, 2009, 28, 305-312.	0.9	39
24	Hemolymph chemistry and histopathological changes in Pacific oysters (Crassostrea gigas) in response to low salinity stress. Journal of Invertebrate Pathology, 2014, 121, 78-84.	3.2	39
25	Transitions During Cephalopod Life History. Advances in Marine Biology, 2014, 67, 361-437.	1.4	39
26	Biological recovery from organic enrichment: some systems cope better than others. Marine Ecology - Progress Series, 2007, 342, 41-53.	1.9	38
27	Development of the radula and digestive system of juvenile blacklip abalone (Haliotis rubra): Potential factors responsible for variable weaning success on artificial diets. Aquaculture, 2005, 250, 341-355.	3.5	36
28	Body Size, Growth and Life Span: Implications for the Polewards Range Shift of Octopus tetricus in South-Eastern Australia. PLoS ONE, 2014, 9, e103480.	2.5	35
29	Illegal recreational fishing causes a decline in a fishery targeted species (Snapper: Chrysophrys) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.5	33
30	Exploring recreational fishers' perceptions, attitudes, and support towards a multiple-use marine protected area six years after implementation. Marine Policy, 2016, 73, 138-145.	3.2	32
31	Population genetic signatures of a climate change driven marine range extension. Scientific Reports, 2018, 8, 9558.	3.3	31
32	Evaluation of short-term fallowing as a strategy for the management of recurring organic enrichment under salmon cages. Marine Pollution Bulletin, 2006, 52, 1458-1466.	5.0	30
33	Predicting glycogen concentration in the foot muscle of abalone using near infrared reflectance spectroscopy (NIRS). Food Chemistry, 2011, 126, 1817-1820.	8.2	30
34	Effect of temperature and food levels on the growth and condition of juvenile Sepia elliptica (Hoyle) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 289-302.	1.5	29
35	Depuration of perfluoroalkyl substances from the edible tissues of wild-caught invertebrate species. Science of the Total Environment, 2017, 581-582, 258-267.	8.0	29
36	Embryonic development of southern calamary (Sepioteuthis australis) within the constraints of an aggregated egg mass. Marine and Freshwater Research, 2003, 54, 217.	1.3	28

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37	Protein Synthesis, Degradation, and Retention: Mechanisms of Indeterminate Growth in Cephalopods. Physiological and Biochemical Zoology, 2010, 83, 997-1008.	1.5	28
38	The role of connectivity and physicochemical conditions in effective habitat of two exploited penaeid species. Ecological Indicators, 2017, 80, 1-11.	6.3	28
39	The digestive gland of the Southern Dumpling Squid (Euprymna tasmanica): structure and function. Journal of Experimental Marine Biology and Ecology, 2005, 315, 177-186.	1.5	26
40	The effect of variability in growth on somatic condition and reproductive status in the southern calamary Sepioteuthis australis. Marine and Freshwater Research, 2004, 55, 423.	1.3	25
41	Life history of a short-lived squid (Sepioteuthis australis): resource allocation as a function of size, growth, maturation, and hatching season. ICES Journal of Marine Science, 2006, 63, 995-1004.	2.5	24
42	Estuarine cultural ecosystem services valued by local people in New South Wales, Australia, and attributes important for continued supply. Ocean and Coastal Management, 2020, 190, 105160.	4.4	23
43	Abiotic influences on embryo growth: statoliths as experimental tools in the squid early life history. Reviews in Fish Biology and Fisheries, 2007, 17, 101-110.	4.9	22
44	Do conventional cooking methods alter concentrations of per- and polyfluoroalkyl substances (PFASs) in seafood?. Food and Chemical Toxicology, 2019, 127, 280-287.	3.6	22
45	Effects of hooking damage and hook type on post-release survival of sand flathead (Platycephalus) Tj ETQq1 1 0.784314 rgBT /Overlo	1.3	22
46	Ecological and functional changes associated with long-term recovery from organic enrichment. Marine Ecology - Progress Series, 2008, 365, 17-24.	1.9	22
47	Direct and Indirect Interactions Between Lower Estuarine Mangrove and Saltmarsh Habitats and a Commercially Important Penaeid Shrimp. Estuaries and Coasts, 2018, 41, 815-826.	2.2	20
48	Somatic growth processes: how are they altered in captivity?. Proceedings of the Royal Society B: Biological Sciences, 1999, 266, 1133-1139.	2.6	18
49	The effects of egg position, egg mass size, substrate and biofouling on embryo mortality in the squid Sepioteuthis australis. Reviews in Fish Biology and Fisheries, 2007, 17, 173-182.	4.9	18
50	Elemental fingerprints of southern calamary (Sepioteuthis australis) reveal local recruitment sources and allow assessment of the importance of closed areas. Canadian Journal of Fisheries and Aquatic Sciences, 2011, 68, 1351-1360.	1.4	18
51	Reproductive capacity of a marine species (Octopus tetricus) within a recent range extension area. Marine and Freshwater Research, 2015, 66, 999.	1.3	17
52	Combining statolith element composition and Fourier shape data allows discrimination of spatial and temporal stock structure of arrow squid (Nototodarus gouldi). Canadian Journal of Fisheries and Aquatic Sciences, 2015, 72, 1609-1618.	1.4	17
53	An assessment of the effectiveness of in-situ signage in multiple-use marine protected areas in providing information to different recreational users. Marine Policy, 2015, 56, 78-85.	3.2	17
54	Growth and tissue composition as a function of feeding history in juvenile cephalopods. Journal of Experimental Marine Biology and Ecology, 2000, 253, 229-241.	1.5	16

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55	The Adaptive Response of Protein Turnover to the Energetic Demands of Reproduction in a Cephalopod. Physiological and Biochemical Zoology, 2013, 86, 119-126.	1.5	16
56	Lethal and sub-lethal effects of environmentally relevant levels of imidacloprid pesticide to Eastern School Prawn, Metapenaeus macleayi. Science of the Total Environment, 2020, 742, 140449.	8.0	16
57	Protein synthesis in a solitary benthic cephalopod, the Southern dumpling squid (Euprymna) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 2009, 153, 185-190.	1.8	14
58	Eye development in southern calamary, Sepioteuthis australis, embryos and hatchlings. Marine Biology, 2009, 156, 1359-1373.	1.5	13
59	Use of neuroactive catecholamines to chemically induce metamorphosis of hatchery-reared flat oyster,Ostrea angasi, larvae. Aquaculture Research, 2009, 40, 1567-1577.	1.8	13
60	Habitat Characteristics Predicting Distribution and Abundance Patterns of Scallops in Dâ€™Entrecasteaux Channel, Tasmania. PLoS ONE, 2014, 9, e85895.	2.5	13
61	Analysis of precision in statolith derived age estimates of the tropical squid Photololigo (Cephalopoda: Loliginidae). ICES Journal of Marine Science, 1999, 56, 221-227.	2.5	12
62	Spawning aggregations of squid (Sepioteuthis australis) populations: a continuum of â€˜microcohortsâ€™. Reviews in Fish Biology and Fisheries, 2007, 17, 183-195.	4.9	12
63	Lethal and Sub-Lethal Effects of Aluminium on a Juvenile Penaeid Shrimp. Thalassas, 2019, 35, 359-368.	0.5	11
64	Daily Otolith increments in juvenile tropical Parrotfishes and Surgeonfishes. Marine and Freshwater Research, 1992, 43, 973.	1.3	10
65	Transgenerational marking of cephalopods with an enriched barium isotope: a promising tool for empirically estimating post-hatching movement and population connectivity. ICES Journal of Marine Science, 2010, 67, 1372-1380.	2.5	10
66	Assessment of temperature or salinity effects on larval development by catecholamine-induced metamorphosis of hatchery-reared flat oyster,Ostrea angasi(Sowerby 1871) larvae. Aquaculture Research, 2015, 46, 2501-2511.	1.8	10
67	Assessment of rock pool fish assemblages along a latitudinal gradient. Marine Biodiversity, 2018, 48, 1147-1158.	1.0	10
68	Functional role of the soft coral Dendronephthya australis in the benthic food web of temperate estuaries. Marine Ecology - Progress Series, 2018, 593, 61-72.	1.9	9
69	Spatio-temporal variability in reproductive ecology of sand flathead,Platycephalus bassensis, in three Tasmanian inshore habitats: potential implications for management. Journal of Applied Ichthyology, 2008, 24, 555-561.	0.7	8
70	Identifying major events in two sturgeonsâ€™ life using pectoral fin spine ring structure: exploring the use of a non-destructive method. Environmental Science and Pollution Research, 2017, 24, 18554-18562.	5.3	8
71	Rapid salinity changes affect the survival and physiology of a penaeid prawn: Implications of flood events on recruitment to the fishery. Fisheries Management and Ecology, 2017, 24, 478-487.	2.0	8
72	Spatial and seasonal variation in reproductive characteristics and spawning of southern calamary (Sepioteuthis australis): spreading the mortality risk. ICES Journal of Marine Science, 2004, 61, 921-927.	2.5	7

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73	Dietary influence on growth and development of flat oyster, Ostrea angasi (Sowerby, 1871), larvae. Aquaculture Research, 2012, 43, 1317-1327.	1.8	7
74	Environmentally Driven Changes in Fatty Acid Profiles of a Commercially Important Penaeid Prawn. Estuaries and Coasts, 2019, 42, 528-536.	2.2	7
75	Shell shape and meat condition in selectively bred Sydney rock oysters,Saccostrea glomerata(Gould, 1850): The influence of grow-out methods. Aquaculture Research, 2018, 49, 1189-1199.	1.8	6
76	Alternatives to Sectioned Otoliths: The use of other Structures and Chemical Techniques to Estimate Age and Growth for Marine Vertebrates and Invertebrates. Reviews: Methods and Technologies in Fish Biology and Fisheries, 2009, , 133-173.	0.6	5
77	Effects of reduced pH on an estuarine penaeid shrimp (Metapenaeus macleayi). Environmental Pollution, 2021, 268, 115929.	7.5	5
78	Changes in mantle muscle structure associated with growth and reproduction in the tropical squid Photololigo sp. (Cephalopoda: Loliginidae). Journal of Molluscan Studies, 1997, 63, 290-293.	1.2	3
79	Batch or trickle: understanding the multiple spawning strategy of southern calamary, Sepioteuthis australis (Mollusca : Cephalopoda). Marine and Freshwater Research, 2008, 59, 987.	1.3	3
80	Preface: Recent advances in knowledge of the life of cephalopods. Hydrobiologia, 2018, 808, 1-4.	2.0	3
81	Mapping the intangibles: Cultural ecosystem services derived from Lake Macquarie estuary, New South Wales, Australia. Estuarine, Coastal and Shelf Science, 2020, 243, 106885.	2.1	3
82	Early post-settlement mortality of the scallop Pecten fumatus and the role of algal mats as a refuge from predation. ICES Journal of Marine Science, 2015, 72, 2322-2331.	2.5	2
83	Using macrofaunal communities to inform estuarine classification. Marine and Freshwater Research, 2019, 70, 371.	1.3	2
84	Survival, Growth, and Metabolic Changes in Eastern School Prawn (Metapenaeus macleayi) across a Spectrum of Salinities. Thalassas, 2021, 37, 97-106.	0.5	1
85	Lethal and sublethal effects of simultaneous exposure to hypoxia and aluminium on juvenile eastern school prawn. Marine and Freshwater Research, 2020, 71, 697.	1.3	1