Mary A Sewell

List of Publications by Year
in descending order

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96 papers	5,190 citations	156536 32 h-index	104191 69 g-index
96 all docs	96 docs citations	96 times ranked	6726 citing authors

#	Article	IF	Citations
1	Near-future oceanic CO2 delays development and growth in early-stage larvae of the endemic New Zealand sea urchin, Evechinus chloroticus. Marine Biology, 2021, 168, 1.	0.7	4
2	Does a complex life cycle affect adaptation to environmental change? Genome-informed insights for characterizing selection across complex life cycle. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20212122.	1.2	14
3	Effect of acclimation on thermal limits and hsp70 gene expression of the New Zealand sea urchin Evechinus chloroticus. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2020, 250, 110806.	0.8	8
4	The first mitochondrial genomes of endosymbiotic rhabdocoels illustrate evolutionary relaxation of atp8 and genome plasticity in flatworms. International Journal of Biological Macromolecules, 2020, 162, 454-469.	3.6	16
5	Description and ecophysiology of a new species of Syndesmis Silliman, 1881 (Rhabdocoela: Umagillidae) from the sea urchin Evechinus chloroticus (Valenciennes, 1846) Mortensen, 1943 in New Zealand. International Journal for Parasitology: Parasites and Wildlife, 2019, 10, 71-82.	0.6	1
6	Multi-locus DNA metabarcoding of zooplankton communities and scat reveal trophic interactions of a generalist predator. Scientific Reports, 2019, 9, 281.	1.6	42
7	Lipid and fatty acid profiles of gametes and spawned gonads of Arbacia dufresnii (Echinodermata:) Tj ETQq1 1 0.784314 rgBT /Overlo	0.7	12
8	Dwarf brooder versus giant broadcaster: combining genetic and reproductive data to unravel cryptic diversity in an Antarctic brittle star. Heredity, 2019, 123, 622-633.	1.2	15
9	The role of the hyaline spheres in sea cucumber metamorphosis: lipid storage via transport cells in the blastocoel. EvoDevo, 2019, 10, 8.	1.3	15
10	Ocean acidification in New Zealand waters: trends and impacts. New Zealand Journal of Marine and Freshwater Research, 2018, 52, 155-195.	0.8	27
11	Revisiting the larval dispersal black box in the Anthropocene. ICES Journal of Marine Science, 2018, 75, 1841-1848.	1.2	20
12	Repeated measurement of Mo2 in small aquatic organisms: a manual intermittent flow respirometer using off-the-shelf components. Journal of Applied Physiology, 2018, 124, 741-749.	1.2	3
13	On the need to consider multiphasic sensitivity of marine organisms to climate change: a case study of the Antarctic acorn barnacle. Journal of Biogeography, 2017, 44, 2165-2175.	1.4	12
14	Maternal investment and nutrient utilization during early larval development of the sea cucumber Australostichopus mollis. Marine Biology, 2017, 164, 1.	0.7	8
15	Uncoupling temperature-dependent mortality from lipid depletion for scleractinian coral larvae. Coral Reefs, 2017, 36, 97-104.	0.9	23
16	Three-stage lipid dynamics during development of planktotrophic echinoderm larvae. Marine Ecology - Progress Series, 2017, 583, 149-161.	0.9	15
17	Effects of warm acclimation on physiology and gonad development in the sea urchin Evechinus chloroticus. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2016, 198, 33-40.	0.8	28
18	The population genetics and origin of invasion of the invasive Asian paddle crab, Charybdis japonica (A.) Tj ETQq0 0 0 rgBT /Overlock 10 1.	0.7	4

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19	Can we predict ectotherm responses to climate change using thermal performance curves and body temperatures?. Ecology Letters, 2016, 19, 1372-1385.	3.0	587
20	Genotype-by-environment interactions during early development of the sea urchin Evechinus chloroticus. Marine Biology, 2016, 163, 1.	0.7	6
21	Maternal Lipid Provisioning Mirrors Evolution of Reproductive Strategies in Direct-Developing Whelks. Biological Bulletin, 2016, 230, 188-196.	0.7	2
22	Low coverage sequencing of three echinoderm genomes: the brittle star Ophionereis fasciata, the sea star Patiriella regularis, and the sea cucumber Australostichopus mollis. GigaScience, 2016, 5, 20.	3.3	33
23	Loved to pieces: Toward the sustainable management of the WaitematÄ•Harbour and Hauraki Gulf. Regional Studies in Marine Science, 2016, 8, 220-233.	0.4	8
24	Sex and reproductive cycle affect lipid and fatty acid profiles of gonads of Arbacia dufresnii (Echinodermata: Echinoidea). Marine Ecology - Progress Series, 2016, 551, 185-199.	0.9	25
25	Comparative ultrastructure of spermatozoa from two regular and two irregular New Zealand echinoids. Invertebrate Biology, 2015, 134, 341-351.	0.3	2
26	The reproductive ecology of the invasive Asian paddle crab, Charybdis japonica (Brachyura:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.3	6
27	A comparison of egg yolk lipid constituents between parasitic Common Cuckoos and their hosts. Auk, 2015, 132, 817-825.	0.7	10
28	Lab-on-a-chip technology for a non-invasive and real-time visualisation of metabolic activities in larval vertebrates. , 2015, , .		1
29	Realâ€time 2<scp>D</scp> visualization of metabolic activities in zebrafish embryos using a microfluidic technology. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2015, 87, 446-450.	1.1	21
30	Differences in population connectivity of a benthic marine invertebrate Evechinus chloroticus (Echinodermata: Echinoidea) across large and small spatial scales. Conservation Genetics, 2015, 16, 965-978.	0.8	16
31	The meroplankton communities from the coastal Ross Sea: a latitudinal study. Hydrobiologia, 2015, 761, 195-209.	1.0	6
32	Year-round maturity of the chaetognath Aidanosagitta regularis in the Hauraki Gulf, New Zealand. Marine and Freshwater Research, 2015, 66, 852.	0.7	1
33	Evolution of maternal provisioning in ophiuroid echinoderms: characterisation of egg composition in planktotrophic and lecithotrophic developers. Marine Ecology - Progress Series, 2015, 525, 1-13.	0.9	20
34	The meroplankton community of the oceanic Ross Sea during late summer. Antarctic Science, 2014, 26, 345-360.	0.5	15
35	Ocean Acidification and Fertilization in the Antarctic Sea Urchin Sterechinus neumayeri: the Importance of Polyspermy. Environmental Science & Technology, 2014, 48, 713-722.	4.6	34
36	Temperature and salinity: two climate change stressors affecting early development of the New Zealand sea urchin Evechinus chloroticus. Marine Biology, 2014, 161, 1999-2009.	0.7	34

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37	Reproduction, larval development and settlement of the intertidal serpulid polychaeteSpirobranchus caniferus. Journal of the Marine Biological Association of the United Kingdom, 2013, 93, 1249-1256.	0.4	11
38	Temperature limits to early development of the New Zealand sea urchin Evechinus chloroticus (Valenciennes, 1846). Journal of Thermal Biology, 2013, 38, 218-224.	1.1	21
39	Pelagic propagule duration and developmental mode: reassessment of a fading link. Global Ecology and Biogeography, 2013, 22, 517-530.	2.7	31
40	Rapid declines in metabolism explain extended coral larval longevity. Coral Reefs, 2013, 32, 539-549.	0.9	35
41	Growth Attenuation with Developmental Schedule Progression in Embryos and Early Larvae of Sterechinus neumayeri Raised under Elevated CO2. PLoS ONE, 2013, 8, e52448.	1.1	33
42	Development Under Elevated pCO₂ Conditions Does Not Affect Lipid Utilization and Protein Content in Early Life-History Stages of the Purple Sea Urchin, Strongylocentrotus purpuratus. Biological Bulletin, 2012, 223, 312-327.	0.7	40
43	Avian eggshell pigments are not consistently correlated with colour measurements or egg constituents in two Turdus thrushes. Journal of Avian Biology, 2012, 43, 503-512.	0.6	32
44	Seasonal changes in the biochemical composition ofEvechinus chloroticusgonads (Echinodermata: Echinoidea). New Zealand Journal of Marine and Freshwater Research, 2012, 46, 399-410.	0.8	14
45	Antarctic echinoids and climate change: a major impact on the brooding forms. Global Change Biology, 2011, 17, 734-744.	4.2	45
46	Organically selective movement and deposit-feeding in juvenile sea cucumber, Australostichopus mollis determined in situ and in the laboratory. Journal of Experimental Marine Biology and Ecology, 2011, 409, 315-323.	0.7	52
47	Rotavirus NSP4 is secreted from infected cells as an oligomeric lipoprotein and binds to glycosaminoglycans on the surface of non-infected cells. Virology Journal, 2011, 8, 551.	1.4	24
48	Rapid adaptation to food availability by a dopamine-mediated morphogenetic response. Nature Communications, 2011, 2, 592.	5.8	71
49	Temperature and salinity tolerances of Stage 1 zoeae predict possible range expansion of an introduced portunid crab, Charybdis japonica, in New Zealand. Biological Invasions, 2011, 13, 691-699.	1.2	32
50	The reproductive ecology of the invasive ascidian, Styela clava, in Auckland Harbour, New Zealand. Marine Biology, 2011, 158, 2775-2785.	0.7	17
51	Seasonal patterns in diversity and abundance of the High Antarctic meroplankton: Plankton sampling using a Ross Sea desalination plant. Limnology and Oceanography, 2011, 56, 1667-1681.	1.6	19
52	A laboratoryâ€based, experimental system for the study of ocean acidification effects on marine invertebrate larvae. Limnology and Oceanography: Methods, 2010, 8, 441-452.	1.0	89
53	Mice Lacking the Neuropeptide Î±-Calcitonin Gene-Related Peptide Are Protected Against Diet-Induced Obesity. Endocrinology, 2010, 151, 4257-4269.	1.4	74
54	Molecular Species Identification of Astrotoma agassizii from Planktonic Embryos: Further Evidence for a Cryptic Species Complex. Journal of Heredity, 2010, 101, 775-779.	1.0	23

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55	Using DNA barcoding and phylogenetics to identify Antarctic invertebrate larvae: Lessons from a large scale study. Marine Genomics, 2010, 3, 165-177.	0.4	54
56	The Effect of Ocean Acidification on Calcifying Organisms in Marine Ecosystems: An Organism-to-Ecosystem Perspective. Annual Review of Ecology, Evolution, and Systematics, 2010, 41, 127-147.	3.8	434
57	Sensory and volatile analysis of sea urchin roe from different geographical regions in New Zealand. LWT - Food Science and Technology, 2010, 43, 202-213.	2.5	24
58	Effect of manufactured diets on the yield, biochemical composition and sensory quality of Evechinus chloroticus sea urchin gonads. Aquaculture, 2010, 308, 49-59.	1.7	45
59	Ocean acidification alters skeletogenesis and gene expression in larval sea urchins. Marine Ecology - Progress Series, 2010, 398, 157-171.	0.9	178
60	Contributing to marine pollution by washing your face: Microplastics in facial cleansers. Marine Pollution Bulletin, 2009, 58, 1225-1228.	2.3	1,052
61	Desalination plants as plankton sampling devices in temporal studies: proofâ€ofâ€concept and suggestions for the future. Limnology and Oceanography: Methods, 2009, 7, 363-370.	1.0	6
62	Fuels for development: evolution of maternal provisioning in asterinid sea stars. Marine Biology, 2008, 153, 337-349.	0.7	67
63	Lipid and protein utilisation during early development of yellowtail kingfish (Seriola lalandi). Marine Biology, 2008, 154, 855-865.	0.7	27
64	Maternal provisioning for larvae and larval provisioning for juveniles in the toxopneustid sea urchin Tripneustes gratilla. Marine Biology, 2008, 155, 473-482.	0.7	65
65	Identification of protein components from the mature ovary of the sea urchin Evechinus chloroticus (Echinodermata: Echinoidea). Proteomics, 2008, 8, 2531-2542.	1.3	11
66	Sequencing one sex or the other has to be justified: Gender genomics and equality. Heredity, 2008, 101, 395-395.	1.2	4
67	Nutritional ecology of sea urchin larvae: influence of endogenous and exogenous nutrition on echinopluteal growth and phenotypic plasticity in Tripneustes gratilla. Functional Ecology, 2008, 22, 643-648.	1.7	82
68	The cryopelagic meroplankton community in the shallow waters of Gerlache Inlet, Terra Nova Bay, Antarctica. Antarctic Science, 2008, 20, 53-60.	0.5	3
69	Chromosome number and chromosome variation in embryos ofEvechinus chloroticus(Echinoidea: Echinometridae): Is there conservation of chromosome number in the Phylum Echinodermata? New findings and a brief review. Invertebrate Reproduction and Development, 2007, 50, 219-231.	0.3	4
70	Evidence for matrotrophy in the viviparous sea cucumberLeptosynapta clarki: A role for the genital haemal sinus?. Invertebrate Reproduction and Development, 2006, 49, 225-236.	0.3	5
71	The Larval Apical Organ in the Holothuroid Chiridota gigas (Apodida): Inferences on Evolution of the Ambulacrarian Larval Nervous System. Biological Bulletin, 2006, 211, 95-100.	0.7	11
72	The meroplankton community of the northern Ross Sea: a preliminary comparison with the McMurdo Sound region. Antarctic Science, 2006, 18, 595-602.	0.5	10

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73	Maternal Provisioning in Ophionereis fasciata and O. schayeri: Brittle Stars With Contrasting Modes of Development. Biological Bulletin, 2006, 211, 204-207.	0.7	23
74	Effects of temperature on fecundity in vitro, egg hatching and reproductive development of Benedenia seriolae and Zeuxapta seriolae (Monogenea) parasitic on yellowtail kingfish Seriola lalandi. International Journal for Parasitology, 2005, 35, 315-327.	1.3	74
75	Examination of the meroplankton community in the south-western Ross Sea, Antarctica, using a collapsible plankton net. Polar Biology, 2005, 28, 119-131.	0.5	23
76	Utilization of lipids during early development of the sea urchin Evechinus chloroticus. Marine Ecology - Progress Series, 2005, 304, 133-142.	0.9	86
77	Developmental plasticity in larval development in the echinometrid sea urchin Evechinus chloroticus with varying food ration. Journal of Experimental Marine Biology and Ecology, 2004, 309, 219-237.	0.7	59
78	Hybridization in the sea: gametic and developmental constraints on fertilization in sympatric species of Pseudechinus (Echinodermata: Echinoidea). Journal of Experimental Marine Biology and Ecology, 2003, 284, 51-70.	0.7	20
79	A New Biologically Active Malyngamide from a New Zealand Collection of the Sea HareBursatella leachii. Journal of Natural Products, 2002, 65, 630-631.	1.5	49
80	Temperature limits to fertilization and early development in the tropical sea urchin Echinometra lucunter. Journal of Experimental Marine Biology and Ecology, 1999, 236, 291-305.	0.7	72
81	Mechanical Resistance to Shear Stress: The Role of Echinoderm Egg Extracellular Layers. Biological Bulletin, 1999, 197, 7-10.	0.7	26
82	Ovarian Development in the Class Holothuroidea: a Reassessment of the "Tubule Recruitment Model". Biological Bulletin, 1997, 192, 17-26.	0.7	21
83	Are Echinoderm Egg Size Distributions Bimodal?. Biological Bulletin, 1997, 193, 297-305.	0.7	52
84	Title is missing!. Biodiversity and Conservation, 1997, 6, 1507-1522.	1.2	41
85	Mortality of Pentactulae During Intraovarian Brooding in the Apodid Sea Cucumber Leptosynapta clarki. Biological Bulletin, 1996, 190, 188-194.	0.7	8
86	Detection of the impact of predation by migratory shorebirds:an experimental test in the Fraser River estuary, British Columbia (Canada). Marine Ecology - Progress Series, 1996, 144, 23-40.	0.9	30
87	A redescription ofLeptosynapta clarkiHeding (Echinodermata: Holothuroidea) from the northeast Pacific, with notes on changes in spicule form and size with age. Canadian Journal of Zoology, 1995, 73, 469-485.	0.4	5
88	Reproduction of the intraovarian brooding apodid Leptosynapta clarki (Echinodermata:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Td (H	0.7	26
89	Small Size, Brooding, and Protandry in the Apodid Sea Cucumber Leptosynapta clarki. Biological Bulletin, 1994, 187, 112-123.	0.7	38
90	A â€œsourceâ€•for asteroid larvae?: recruitment of Pisaster ochraceus, Pycnopodia helianthoides and Dermasterias imbricata in Nootka Sound, British Columbia. Marine Biology, 1993, 117, 387-398.	0.7	25

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91	How Distribution and Abundance Influence Fertilization Success in the Sea Urchin Strongylocentotus Franciscanus. Ecology, 1992, 73, 248-254.	1.5	320
92	Reproduction of the temperate aspidochiroteStichopus mollis(Echinodermata: Holothuroidea) in New Zealand. Ophelia, 1992, 35, 103-121.	0.3	34
93	Kinetics of Fertilization in the Sea Urchin Strongylocentrotus franciscanus: Interaction of Gamete Dilution, Age, and Contact Time. Biological Bulletin, 1991, 181, 371-378.	0.7	173
94	Variability in the reproductive cycle ofStichopus mollis(Echinodermata: Holothuroidea). Invertebrate Reproduction and Development, 1990, 17, 1-7.	0.3	36
95	Aspects of the ecology ofStichopus mollis(Echinodermata: Holothuroidea) in northâ€eastern New Zealand. New Zealand Journal of Marine and Freshwater Research, 1990, 24, 97-103.	0.8	37
96	Simultaneous Spawning of Six Species of Echinoderms in Barkley Sound, British Columbia. International Journal of Invertebrate Reproduction and Development, 1988, 14, 279-288.	0.8	73