

Andrew Davis

List of Publications by Year in descending order

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113
papers

3,926
citations

109321

35
h-index

138484

58
g-index

113
all docs

113
docs citations

113
times ranked

3628
citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature, but not pH, compromises sea urchin fertilization and early development under near-future climate change scenarios. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 1883-1888.	2.6	229
2	Impact of Ocean Warming and Ocean Acidification on Larval Development and Calcification in the Sea Urchin <i>Triplaneustes gratilla</i> . <i>PLoS ONE</i> , 2010, 5, e11372.	2.5	206
3	Epibiosis of Marine Algae and Benthic Invertebrates: Natural Products Chemistry and Other Mechanisms Inhibiting Settlement and Overgrowth. <i>Bioorganic Marine Chemistry</i> , 1989, , 85-114.	0.2	177
4	Unshelled abalone and corrupted urchins: development of marine calcifiers in a changing ocean. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 2376-2383.	2.6	144
5	Sea urchin fertilization in a warm, acidified and high pCO ₂ ocean across a range of sperm densities. <i>Marine Environmental Research</i> , 2010, 69, 234-239.	2.5	115
6	Synergistic effects associated with climate change and the development of rocky shore molluscs. <i>Global Change Biology</i> , 2005, 11, 515-522.	9.5	112
7	Fertilization in a suite of coastal marine invertebrates from SE Australia is robust to near-future ocean warming and acidification. <i>Marine Biology</i> , 2010, 157, 2061-2069.	1.5	108
8	Chemical Defense in the Egg Masses of Benthic Invertebrates: An Assessment of Antibacterial Activity in 39 Mollusks and 4 Polychaetes. <i>Journal of Invertebrate Pathology</i> , 2001, 78, 109-118.	3.2	105
9	Free fatty acids and sterols in the benthic spawn of aquatic molluscs, and their associated antimicrobial properties. <i>Journal of Experimental Marine Biology and Ecology</i> , 2005, 316, 29-44.	1.5	102
10	Direct observations of larval dispersal in the colonial ascidian <i>Podoclavella moluccensis</i> Sluiter: evidence for closed populations. <i>Journal of Experimental Marine Biology and Ecology</i> , 1989, 127, 189-203.	1.5	101
11	Bait type affects fish assemblages and feeding guilds observed at baited remote underwater video stations. <i>Marine Ecology - Progress Series</i> , 2013, 477, 189-199.	1.9	81
12	A comparison of the impact of "seagrass-friendly" boat mooring systems on <i>Posidonia australis</i> . <i>Marine Environmental Research</i> , 2013, 83, 54-62.	2.5	70
13	Genetic evidence for contrasting patterns of dispersal in solitary and colonial ascidians. <i>Marine Biology</i> , 1997, 130, 51-61.	1.5	68
14	Rapid changes in encrusting marine assemblages exposed to anthropogenic point-source pollution: a 'Beyond BACI' approach. <i>Marine Ecology - Progress Series</i> , 1998, 163, 213-224.	1.9	67
15	Experimental manipulation of shade, silt, nutrients and salinity on the temperate reef sponge <i>Cymbastela concentrica</i> . <i>Marine Ecology - Progress Series</i> , 2006, 307, 143-154.	1.9	62
16	Title is missing!. <i>Journal of Chemical Ecology</i> , 2000, 26, 1037-1050.	1.8	59
17	Settlement behaviour of ascidian larvae: preliminary evidence for inhibition by sponge allelochemicals. <i>Marine Ecology - Progress Series</i> , 1991, 72, 117-123.	1.9	59
18	Variation in recruitment of the subtidal colonial ascidian <i>Podoclavella cylindrica</i> (Quoy & Gaimard): the role of substratum choice and early survival. <i>Journal of Experimental Marine Biology and Ecology</i> , 1987, 106, 57-71.	1.5	57

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19	Alkaloids and ascidian chemical defense: Evidence for the ecological role of natural products from <i>Eudistoma olivaceum</i> . <i>Marine Biology</i> , 1991, 111, 375-379.	1.5	57
20	Molluscs on acid: gastropod shell repair and strength in acidifying oceans. <i>Marine Ecology - Progress Series</i> , 2014, 509, 203-211.	1.9	57
21	Indole Derivatives from the Egg Masses of Muricid Molluscs. <i>Molecules</i> , 2001, 6, 70-78.	3.8	55
22	Responses of common SE Australian herbivores to three suspected invasive <i>Caulerpa</i> spp.. <i>Marine Biology</i> , 2005, 146, 859-868.	1.5	54
23	Inhibition of larval settlement by natural products from the ascidian, <i>Eudistoma olivaceum</i> (Van) Tj ETQq1 1 0.784314 rgBT / Overlock 10	1.8	53
24	UV effects that come and go: a global comparison of marine benthic community level impacts. <i>Global Change Biology</i> , 2004, 10, 1962-1972.	9.5	52
25	Phylogeny of the families Pyuridae and Styelidae (Stolidobranchiata, Ascidiacea) inferred from mitochondrial and nuclear DNA sequences. <i>Molecular Phylogenetics and Evolution</i> , 2009, 50, 560-570.	2.7	52
26	Changes in Fish Assemblages following the Establishment of a Network of No-Take Marine Reserves and Partially-Protected Areas. <i>PLoS ONE</i> , 2014, 9, e85825.	2.5	52
27	Abiotic surrogates for temperate rocky reef biodiversity: implications for marine protected areas. <i>Diversity and Distributions</i> , 2014, 20, 284-296.	4.1	51
28	Differences in soft-sediment macrobenthic assemblages invaded by <i>Caulerpa taxifolia</i> compared to uninvaded habitats. <i>Marine Ecology - Progress Series</i> , 2009, 380, 59-71.	1.9	51
29	Interspecific differences in fouling of two congeneric ascidians (<i>Eudistoma olivaceum</i> and <i>E.</i>) Tj ETQq1 1 0.784314 rgBT / Overlock 10	1.5	49
30	DEMOGRAPHIC FEEDBACK BETWEEN CLONAL GROWTH AND FRAGMENTATION IN AN INVASIVE SEAWEED. <i>Ecology</i> , 2006, 87, 1744-1754.	3.2	47
31	Sponges as sentinels: Patterns of spatial and intra-individual variation in trace metal concentration. <i>Marine Pollution Bulletin</i> , 2012, 64, 80-89.	5.0	45
32	Patterns in sponge (Porifera) assemblages on temperate coastal reefs off Sydney, Australia. <i>Marine and Freshwater Research</i> , 1996, 47, 897.	1.3	43
33	Rapid invasion of a sponge-dominated deep-reef by <i>Caulerpa scalpelliformis</i> (Chlorophyta) in Botany Bay, New South Wales. <i>Austral Ecology</i> , 1997, 22, 146-150.	1.5	41
34	Habitat associated differences in temperate sponge assemblages. <i>Journal of Experimental Marine Biology and Ecology</i> , 1997, 213, 199-213.	1.5	38
35	Accounting for habitat structural complexity improves the assessment of performance in no-take marine reserves. <i>Biological Conservation</i> , 2018, 224, 100-110.	4.1	38
36	Selection of substrata by juvenile <i>Choromytilus chorus</i> (Mytilidae): are chemical cues important?. <i>Journal of Experimental Marine Biology and Ecology</i> , 1995, 191, 167-180.	1.5	36

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37	The importance of spatial scale for the conservation of tidal flat macrobenthos: An example from New South Wales, Australia. <i>Biological Conservation</i> , 2007, 134, 310-320.	4.1	36
38	Examining the phylogeny of the Australasian Lymnaeidae (Heterobranchia: Pulmonata: Gastropoda) using mitochondrial, nuclear and morphological markers. <i>Molecular Phylogenetics and Evolution</i> , 2009, 52, 643-659.	2.7	34
39	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. <i>Ecological Indicators</i> , 2017, 78, 229-242.	6.3	34
40	Effects of ultraviolet radiation and visible light on the development of encapsulated molluscan embryos. <i>Marine Ecology - Progress Series</i> , 2004, 268, 151-160.	1.9	34
41	Epibiosis in a guild of sessile subtidal invertebrates in south-eastern Australia: a quantitative survey. <i>Journal of Experimental Marine Biology and Ecology</i> , 1994, 177, 1-14.	1.5	33
42	Effects of variation in initial settlement on distribution and abundance of <i>Podoclavella moluccensis</i> Sluiter. <i>Journal of Experimental Marine Biology and Ecology</i> , 1988, 117, 157-167.	1.5	32
43	Role of habitat complexity in structuring temperate rockpool ichthyofaunas. <i>Marine Ecology - Progress Series</i> , 2006, 313, 227-239.	1.9	31
44	Anchors aweigh: Fragment generation of invasive <i>Caulerpa taxifolia</i> by boat anchors and its resistance to desiccation. <i>Aquatic Botany</i> , 2007, 87, 196-202.	1.6	28
45	Complex Responses of Intertidal Molluscan Embryos to a Warming and Acidifying Ocean in the Presence of UV Radiation. <i>PLoS ONE</i> , 2013, 8, e55939.	2.5	28
46	Colony regeneration following damage and size-dependent mortality in the Australian ascidian <i>Podoclavella moluccensis</i> Sluiter. <i>Journal of Experimental Marine Biology and Ecology</i> , 1988, 123, 269-285.	1.5	27
47	Anchors away? The impacts of anchor scour by ocean-going vessels and potential response options. <i>Marine Policy</i> , 2016, 73, 1-7.	3.2	27
48	Seagrass canopies and the performance of acoustic telemetry: implications for the interpretation of fish movements. <i>Animal Biotelemetry</i> , 2020, 8, .	1.9	27
49	Identifying hotspots of molluscan species richness on rocky intertidal reefs. <i>Biodiversity and Conservation</i> , 2002, 11, 1959-1973.	2.6	26
50	Sharkeye: Real-Time Autonomous Personal Shark Alerting via Aerial Surveillance. <i>Drones</i> , 2020, 4, 18.	4.9	26
51	A Quantitative Survey of Mycosporine-Like Amino Acids (MAAS) in Intertidal Egg Masses from Temperate Rocky Shores. <i>Journal of Chemical Ecology</i> , 2005, 31, 2417-2438.	1.8	25
52	Cellular responses of encapsulated gastropod embryos to multiple stressors associated with climate change. <i>Journal of Experimental Marine Biology and Ecology</i> , 2010, 383, 130-136.	1.5	25
53	Analysis and interpretation of the recruit-settler relationship. <i>Journal of Experimental Marine Biology and Ecology</i> , 1989, 134, 197-202.	1.5	24
54	The influence of gummy sharks, <i>Mustelus antarcticus</i> , on observed fish assemblage structure. <i>Environmental Biology of Fishes</i> , 2014, 97, 215-222.	1.0	24

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55	Structure and dynamics of sponge-dominated assemblages on exposed and sheltered temperate reefs. <i>Marine Ecology - Progress Series</i> , 2006, 321, 19-30.	1.9	23
56	Association among ascidians: facilitation of recruitment in <i>Pyura spinifera</i> . <i>Marine Biology</i> , 1996, 126, 35-41.	1.5	21
57	Effects of Intertidal Elevation on the Rockpool Ichthyofaunas of Temperate Australia. <i>Environmental Biology of Fishes</i> , 2003, 68, 197-204.	1.0	21
58	Anchor and chain scour as disturbance agents in benthic environments: trends in the literature and charting a course to more sustainable boating and shipping. <i>Marine Pollution Bulletin</i> , 2020, 161, 111683.	5.0	21
59	Sensitivity of six subantarctic marine invertebrates to common metal contaminants. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 2245-2251.	4.3	20
60	Temperate zone coastal seascapes: seascape patterning and adjacent seagrass habitat shape the distribution of rocky reef fish assemblages. <i>Landscape Ecology</i> , 2019, 34, 2337-2352.	4.2	20
61	Habitat and seascape patterns drive spatial variability in temperate fish assemblages: implications for marine protected areas. <i>Marine Ecology - Progress Series</i> , 2018, 607, 171-186.	1.9	20
62	Active acoustic tracking suggests that soft sediment fishes can show site attachment: a preliminary assessment of the movement patterns of the blue-spotted flathead (<i>Platycephalus caeruleopunctatus</i>). <i>Animal Biotelemetry</i> , 2016, 4, .	1.9	19
63	Comparative copper sensitivity between life stages of common subantarctic marine invertebrates. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 807-815.	4.3	19
64	Does spawning behavior minimize exposure to environmental stressors for encapsulated gastropod embryos on rocky shores?. <i>Marine Biology</i> , 2007, 152, 991-1002.	1.5	18
65	The encrusting sponge <i>Halisarca laxus</i> : population genetics and association with the ascidian <i>Pyura spinifera</i> . <i>Marine Biology</i> , 1996, 126, 27-33.	1.5	17
66	Increased sensitivity of subantarctic marine invertebrates to copper under a changing climate - Effects of salinity and temperature. <i>Environmental Pollution</i> , 2019, 249, 54-62.	7.5	17
67	Gastropod egg mass deposition on a temperate, wave-exposed coastline in New South Wales, Australia: implications for intertidal conservation. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2004, 14, 263-280.	2.0	16
68	Passive Flow Through an Unstalked Intertidal Ascidian: Orientation and Morphology Enhance Suspension Feeding in <i>Pyura stolonifera</i> . <i>Biological Bulletin</i> , 2004, 207, 217-224.	1.8	15
69	Miniature baited remote underwater video (mini-BRUV) reveals the response of cryptic fishes to seagrass cover. <i>Environmental Biology of Fishes</i> , 2018, 101, 1717-1722.	1.0	15
70	Continuous wildlife monitoring using blimps as an aerial platform: a case study observing marine megafauna. <i>Australian Zoologist</i> , 2020, 40, 407-415.	1.1	15
71	Reproduction of the turban shell <i>Turbo torquatus</i> Gmelin 1791 (Mollusca : Gastropoda), in New South Wales, Australia. <i>Marine and Freshwater Research</i> , 2002, 53, 85.	1.3	14
72	UV-Induced Mortality in Encapsulated Intertidal Embryos: Are Mycosporine-Like Amino Acids an Effective Sunscreen?. <i>Journal of Chemical Ecology</i> , 2006, 32, 993-1004.	1.8	13

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73	Non-indigenous macroalga hosts different epiphytic assemblages to conspecific natives in southeast Australia. <i>Marine Biology</i> , 2010, 157, 1095-1103.	1.5	13
74	Differences in architecture between native and non-indigenous macroalgae influence associations with epifauna. <i>Journal of Experimental Marine Biology and Ecology</i> , 2019, 514-515, 76-86.	1.5	13
75	Seascape connectivity of temperate fishes between estuarine nursery areas and open coastal reefs. <i>Journal of Applied Ecology</i> , 2022, 59, 1406-1416.	4.0	13
76	Size matters sometimes: wall height and the structure of subtidal benthic invertebrate assemblages in south-eastern Australia and Mediterranean Spain. <i>Journal of Biogeography</i> , 2003, 30, 1797-1807.	3.0	12
77	The Role of Mineral, Living and Artificial Substrata in the Development of Subtidal Assemblages. <i>Ecological Studies</i> , 2009, , 19-37.	1.2	12
78	Antifouling defence in a subtidal guild of temperate zone encrusting invertebrates. <i>Biofouling</i> , 1998, 12, 305-320.	2.2	11
79	Contrasting population dynamics and life histories in two populations of the colonial subtidal ascidian <i>Podoclavella moluccensis</i> . <i>Marine Ecology - Progress Series</i> , 1989, 51, 107-119.	1.9	11
80	Rules of attraction: enticing pelagic fish to mid-water remote underwater video systems (RUVS). <i>Marine Ecology - Progress Series</i> , 2015, 529, 213-218.	1.9	11
81	Spatial scale and the detection of impacts on the seagrass <i>Posidonia australis</i> following pier construction in an embayment in southeastern Australia. <i>Estuarine, Coastal and Shelf Science</i> , 2007, 74, 297-305.	2.1	10
82	The role of recreational activities in creating fragments of invasive <i>Caulerpa taxifolia</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , 2009, 376, 17-25.	1.5	10
83	Toxicity of copper to three common subantarctic marine gastropods. <i>Ecotoxicology and Environmental Safety</i> , 2017, 136, 70-77.	6.0	10
84	Effects of a shark repulsion device on rocky reef fishes: no shocking outcomes. <i>Marine Ecology - Progress Series</i> , 2010, 408, 295-298.	1.9	10
85	Reproduction and early development in <i>Haliotis coccoradiata</i> (Vetigastropoda: Haliotidae). <i>Invertebrate Reproduction and Development</i> , 2010, 54, 77-87.	0.8	9
86	Sponges as sentinels: Metal accumulation using transplanted sponges across a metal gradient. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 2818-2825.	4.3	9
87	Diel and tidal cycles regulate larval dynamics in salt marshes and mangrove forests. <i>Marine Biology</i> , 2014, 161, 769-784.	1.5	9
88	Heart of glass: spicule armament and physical defense in temperate reef sponges. <i>Marine Ecology - Progress Series</i> , 2008, 372, 77-86.	1.9	9
89	Sampling patchily distributed taxa: a case study using cost-benefit analyses for sponges and ascidians in coastal lakes of New South Wales, Australia. <i>Marine Ecology - Progress Series</i> , 2006, 319, 55-64.	1.9	9
90	Ecological response to MPA zoning following cessation of bait harvesting in an estuarine tidal flat. <i>Marine Ecology - Progress Series</i> , 2014, 517, 171-180.	1.9	8

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91	Under the radar: Sessile epifaunal invertebrates in the seagrass <i>Posidonia australis</i> . <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2016, 96, 363-377.	0.8	8
92	Fish assemblages in protected seagrass habitats: Assessing fish abundance and diversity in no-take marine reserves and fished areas. <i>Aquaculture and Fisheries</i> , 2020, 5, 213-223.	2.2	8
93	Determining Stingray Movement Patterns in a Wave-Swept Coastal Zone Using a Blimp for Continuous Aerial Video Surveillance. <i>Fishes</i> , 2020, 5, 31.	1.7	7
94	Widespread bleaching in the One Tree Island lagoon (Southern Great Barrier Reef) during record-breaking temperatures in 2020. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 590.	2.7	7
95	Two levels of spacing and limits to local population density for settled larvae of the ascidian <i>Clavelina moluccensis</i> : a nearest-neighbour analysis. <i>Oecologia</i> , 1996, 108, 701-707.	2.0	6
96	Biodiversity in saline coastal lagoons: patterns of distribution and human impacts on sponge and ascidian assemblages. <i>Diversity and Distributions</i> , 2013, 19, 1394-1406.	4.1	6
97	Diet and feeding periodicity of Cox's gudgeon <i>Gobiomorphus coxii</i> (Krefft) in a south-eastern Australian stream. <i>Journal of Fish Biology</i> , 2007, 71, 993-1006.	1.6	5
98	Establishment and persistence of species-rich patches in a species-poor landscape: role of a structure-forming subtidal barnacle. <i>Marine Ecology - Progress Series</i> , 2009, 380, 187-198.	1.9	5
99	Response of the hairy mussel <i>Trichomya hirsuta</i> to sediment-metal contamination in the presence of a bioturbator. <i>Marine Pollution Bulletin</i> , 2014, 88, 180-187.	5.0	5
100	The effects of the diel cycle and the density of an invasive predator on predation risk and prey response. <i>Animal Behaviour</i> , 2016, 117, 87-95.	1.9	5
101	Coexisting with sharks: a novel, socially acceptable and non-lethal shark mitigation approach. <i>Scientific Reports</i> , 2020, 10, 17497.	3.3	5
102	Isolation and NMR spectroscopic clarification of the alkaloid 1,3,7-trimethylguanaine from the ascidian <i>Eudistoma maculosum</i> . <i>Natural Product Research</i> , 2006, 20, 479-483.	1.8	4
103	Curb anchor scour for green shipping. <i>Nature</i> , 2016, 533, 36-36.	27.8	4
104	Biotic consequences of a shift in invertebrate ecosystem engineers: Invasion of New Zealand rocky shores by a zone-forming ascidian. <i>Marine Ecology</i> , 2018, 39, e12502.	1.1	4
105	Structural complexity facilitates accumulation and retention of fragments of the invasive alga, <i>Caulerpa taxifolia</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , 2009, 371, 163-169.	1.5	3
106	Defence behind the ramparts: Spicule armament against specialist predators in a subtidal habitat-forming ascidian. <i>Journal of Experimental Marine Biology and Ecology</i> , 2018, 507, 31-38.	1.5	3
107	Biogeographic conundrum: Why so few stream nerite species (Gastropoda: Neritidae) in Australia?. <i>Freshwater Biology</i> , 2019, 64, 2084-2088.	2.4	3
108	Conservation of sessile marine invertebrates: you do not know what you have got until it is gone. , 1999, , 325-329.		3

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109	Does habitat complexity and prior residency influence aggression between invasive and native freshwater crayfish?. <i>Ethology</i> , 2022, 128, 443-452.	1.1	3
110	Living on the edge: Early life history phases as determinants of distribution in <i>Pyura praeputialis</i> (Heller, 1878), a rocky shore ecosystem engineer. <i>Marine Environmental Research</i> , 2018, 142, 40-47.	2.5	2
111	Assessing trap bias in the endemic Australian genus of freshwater crayfish,. <i>Marine and Freshwater Research</i> , 2021, 73, 100-109.	1.3	2
112	Temporal stability in a protected and isolated fish community within marine parks surrounding Lord Howe Island. <i>Regional Studies in Marine Science</i> , 2021, 48, 102038.	0.7	1
113	Are Spine-Bearing Freshwater Gastropods Better Defended?. <i>Ecologies</i> , 2020, 1, 3-13.	1.6	0