

Katherine A. Dafforn

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

3,135
citations

236612

25
h-index

189595

50
g-index

51
all docs

51
docs citations

51
times ranked

3792
citing authors

#	ARTICLE	IF	CITATIONS
1	Antifouling strategies: History and regulation, ecological impacts and mitigation. <i>Marine Pollution Bulletin</i> , 2011, 62, 453-465.	2.3	466
2	Marine urbanization: an ecological framework for designing multifunctional artificial structures. <i>Frontiers in Ecology and the Environment</i> , 2015, 13, 82-90.	1.9	323
3	Core sediment bacteria drive community response to anthropogenic contamination over multiple environmental gradients. <i>Environmental Microbiology</i> , 2013, 15, 2517-2531.	1.8	206
4	Identifying the consequences of ocean sprawl for sedimentary habitats. <i>Journal of Experimental Marine Biology and Ecology</i> , 2017, 492, 31-48.	0.7	183
5	Bacterial communities are sensitive indicators of contaminant stress. <i>Marine Pollution Bulletin</i> , 2012, 64, 1029-1038.	2.3	174
6	The influence of antifouling practices on marine invasions. <i>Biofouling</i> , 2009, 25, 633-644.	0.8	157
7	Current and projected global extent of marine built structures. <i>Nature Sustainability</i> , 2021, 4, 33-41.	11.5	139
8	Combating ecosystem collapse from the tropics to the Antarctic. <i>Global Change Biology</i> , 2021, 27, 1692-1703.	4.2	128
9	Shallow moving structures promote marine invader dominance. <i>Biofouling</i> , 2009, 25, 277-287.	0.8	118
10	Coastal urban lighting has ecological consequences for multiple trophic levels under the sea. <i>Science of the Total Environment</i> , 2017, 576, 1-9.	3.9	100
11	Comparing the Invasibility of Experimental "Reefs" with Field Observations of Natural Reefs and Artificial Structures. <i>PLoS ONE</i> , 2012, 7, e38124.	1.1	96
12	The challenge of choosing environmental indicators of anthropogenic impacts in estuaries. <i>Environmental Pollution</i> , 2012, 163, 207-217.	3.7	95
13	Application of management tools to integrate ecological principles with the design of marine infrastructure. <i>Journal of Environmental Management</i> , 2015, 158, 61-73.	3.8	82
14	Coastal urbanisation affects microbial communities on a dominant marine holobiont. <i>Npj Biofilms and Microbiomes</i> , 2018, 4, 1.	2.9	82
15	Environmental and ecological changes associated with a marina. <i>Biofouling</i> , 2013, 29, 803-815.	0.8	70
16	Links between estuarine condition and spatial distributions of marine invaders. <i>Diversity and Distributions</i> , 2009, 15, 807-821.	1.9	62
17	Differential effects of tributyltin and copper antifoulants on recruitment of non-indigenous species. <i>Biofouling</i> , 2008, 24, 23-33.	0.8	54
18	Wastewater effluents cause microbial community shifts and change trophic status. <i>Water Research</i> , 2021, 200, 117206.	5.3	53

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19	Polychaete Richness and Abundance Enhanced in Anthropogenically Modified Estuaries Despite High Concentrations of Toxic Contaminants. <i>PLoS ONE</i> , 2013, 8, e77018.	1.1	46
20	A global model to forecast coastal hardening and mitigate associated socioecological risks. <i>Nature Sustainability</i> , 2021, 4, 1060-1067.	11.5	42
21	Small-scale habitat complexity of artificial turf influences the development of associated invertebrate assemblages. <i>Journal of Experimental Marine Biology and Ecology</i> , 2017, 492, 105-112.	0.7	31
22	Faster, Higher and Stronger? The Pros and Cons of Molecular Faunal Data for Assessing Ecosystem Condition. <i>Advances in Ecological Research</i> , 2014, 51, 1-40.	1.4	30
23	Sub-lethal effects of water-based drilling muds on the deep-water sponge <i>Geodia barretti</i> . <i>Environmental Pollution</i> , 2016, 212, 525-534.	3.7	28
24	A Decision Framework for Coastal Infrastructure to Optimize Biotic Resistance and Resilience in a Changing Climate. <i>BioScience</i> , 2019, 69, 833-843.	2.2	28
25	Resuspended contaminated sediments cause sublethal stress to oysters: A biomarker differentiates total suspended solids and contaminant effects. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 1345-1353.	2.2	27
26	Using meta-omics of contaminated sediments to monitor changes in pathways relevant to climate regulation. <i>Environmental Microbiology</i> , 2019, 21, 389-401.	1.8	27
27	Differences in Intertidal Microbial Assemblages on Urban Structures and Natural Rocky Reef. <i>Frontiers in Microbiology</i> , 2015, 6, 1276.	1.5	25
28	Sediment Contaminants and Infauna Associated with Recreational Boating Structures in a Multi-Use Marine Park. <i>PLoS ONE</i> , 2015, 10, e0130537.	1.1	25
29	High Levels of Sediment Contamination Have Little Influence on Estuarine Beach Fish Communities. <i>PLoS ONE</i> , 2011, 6, e26353.	1.1	21
30	Artificial structures alter kelp functioning across an urbanised estuary. <i>Marine Environmental Research</i> , 2018, 139, 136-143.	1.1	21
31	Multiple stressors in sediments impact adjacent hard substrate habitats and across biological domains. <i>Science of the Total Environment</i> , 2017, 592, 295-305.	3.9	20
32	An empirical examination of consumer effects across twenty degrees of latitude. <i>Ecology</i> , 2017, 98, 2391-2400.	1.5	19
33	Ecotoxicological effects of decommissioning offshore petroleum infrastructure: A systematic review. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 3283-3321.	6.6	19
34	Complexityâ€“biodiversity relationships on marine urban structures: reintroducing habitat heterogeneity through eco-engineering. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022, 377, .	1.8	19
35	Meso-predators: A confounding variable in consumer exclusion studies. <i>Journal of Experimental Marine Biology and Ecology</i> , 2014, 456, 26-33.	0.7	18
36	Learning from nature to enhance Blue engineering of marine infrastructure. <i>Ecological Engineering</i> , 2018, 120, 611-621.	1.6	15

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37	Dinoflagellate cyst abundance is positively correlated to sediment organic carbon in Sydney Harbour and Botany Bay, NSW, Australia. <i>Environmental Science and Pollution Research</i> , 2018, 25, 5808-5821.	2.7	11
38	Uncovering hidden heterogeneity: Geo-statistical models illuminate the fine scale effects of boating infrastructure on sediment characteristics and contaminants. <i>Marine Pollution Bulletin</i> , 2017, 119, 143-150.	2.3	10
39	Links between contaminant hotspots in low flow estuarine systems and altered sediment biogeochemical processes. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 198, 497-507.	0.9	10
40	Spatial variation in the biotic and abiotic filters of oyster recruitment: Implications for restoration. <i>Journal of Applied Ecology</i> , 2022, 59, 953-964.	1.9	10
41	Differential tolerance to copper, but no evidence of population-level genetic differences in a widely-dispersing native barnacle. <i>Ecotoxicology</i> , 2013, 22, 929-937.	1.1	7
42	Linking habitat interactions and biodiversity within seascapes. <i>Ecosphere</i> , 2022, 13, .	1.0	7
43	Not all artificial structures are created equal: Pilings linked to greater ecological and environmental change in sediment communities than seawalls. <i>Marine Environmental Research</i> , 2018, 142, 286-294.	1.1	6
44	Reproductive strategy and gamete development of an invasive fanworm, <i>Sabella spallanzanii</i> (Polychaeta: Sabellidae), a field study in Gulf St Vincent, South Australia. <i>PLoS ONE</i> , 2018, 13, e0200027.	1.1	6
45	Contrasting distributions of bacteriophages and eukaryotic viruses from contaminated coastal sediments. <i>Environmental Microbiology</i> , 2019, 21, 1929-1941.	1.8	6
46	Latitudinal variation in the diversity–disturbance relationship demonstrates the context dependence of disturbance impacts. <i>Global Ecology and Biogeography</i> , 2021, 30, 1389-1402.	2.7	4
47	A novel real-world ecotoxicological dataset of pelagic microbial community responses to wastewater. <i>Scientific Data</i> , 2020, 7, 158.	2.4	3
48	Knowledge exchange to improve research and management of the impacts of artificial light at night. <i>Austral Ecology</i> , 2020, 45, 1059-1061.	0.7	3
49	Below-ground ecosystem engineers enhance biodiversity and function in a polluted ecosystem. <i>Journal of Applied Ecology</i> , 2022, 59, 2094-2105.	1.9	2
50	New records of non-indigenous <i>Branchiomma</i> and <i>Parasabella</i> species (Sabellidae: Annelida) in South Australia highlight the continuing challenges for sabellid taxonomy. <i>Journal of Natural History</i> , 2020, 54, 2647-2673.	0.2	0