

Michelle Devlin

List of Publications by Year in descending order

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74
papers

4,076
citations

87886

38
h-index

118840

62
g-index

75
all docs

75
docs citations

75
times ranked

4293
citing authors

#	ARTICLE	IF	CITATIONS
1	Terrestrial pollutant runoff to the Great Barrier Reef: An update of issues, priorities and management responses. <i>Marine Pollution Bulletin</i> , 2012, 65, 81-100.	5.0	326
2	Herbicides: A new threat to the Great Barrier Reef. <i>Environmental Pollution</i> , 2009, 157, 2470-2484.	7.5	282
3	Terrestrial discharge into the Great Barrier Reef Lagoon: nutrient behavior in coastal waters. <i>Marine Pollution Bulletin</i> , 2005, 51, 9-22.	5.0	208
4	Spatial and temporal patterns of near-surface chlorophyll a in the Great Barrier Reef lagoon. <i>Marine and Freshwater Research</i> , 2007, 58, 342.	1.3	141
5	Water quality mediates resilience on the Great Barrier Reef. <i>Nature Ecology and Evolution</i> , 2019, 3, 620-627.	7.8	139
6	Relationships between suspended particulate material, light attenuation and Secchi depth in UK marine waters. <i>Estuarine, Coastal and Shelf Science</i> , 2008, 79, 429-439.	2.1	134
7	Assessment of the eutrophication status of the Great Barrier Reef lagoon (Australia). <i>Biogeochemistry</i> , 2011, 106, 281-302.	3.5	127
8	Mapping the pollutants in surface riverine flood plume waters in the Great Barrier Reef, Australia. <i>Marine Pollution Bulletin</i> , 2012, 65, 224-235.	5.0	126
9	Assessing the impact of nutrient enrichment in estuaries: Susceptibility to eutrophication. <i>Marine Pollution Bulletin</i> , 2007, 55, 74-90.	5.0	103
10	Impaired recovery of the Great Barrier Reef under cumulative stress. <i>Science Advances</i> , 2018, 4, eaar6127.	10.3	103
11	Effects of reduced water quality on coral reefs in and out of no-take marine reserves. <i>Conservation Biology</i> , 2016, 30, 142-153.	4.7	100
12	Sustainable aquaculture through the One Health lens. <i>Nature Food</i> , 2020, 1, 468-474.	14.0	100
13	Spatial extent of riverine flood plumes and exposure of marine ecosystems in the Tully coastal region, Great Barrier Reef. <i>Marine and Freshwater Research</i> , 2009, 60, 1109.	1.3	98
14	Vulnerability of the Great Barrier Reef to climate change and local pressures. <i>Global Change Biology</i> , 2018, 24, 1978-1991.	9.5	92
15	Inter-annual variability of wet season freshwater plume extent into the Great Barrier Reef lagoon based on satellite coastal ocean colour observations. <i>Marine Pollution Bulletin</i> , 2012, 65, 210-223.	5.0	84
16	Establishing boundary classes for the classification of UK marine waters using phytoplankton communities. <i>Marine Pollution Bulletin</i> , 2007, 55, 91-103.	5.0	83
17	Comparison of five methods for assessing impacts of nutrient enrichment using estuarine case studies. <i>Biogeochemistry</i> , 2011, 106, 177-205.	3.5	83
18	Water Quality and River Plume Monitoring in the Great Barrier Reef: An Overview of Methods Based on Ocean Colour Satellite Data. <i>Remote Sensing</i> , 2015, 7, 12909-12941.	4.0	83

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19	Assessing the additive risks of PSII herbicide exposure to the Great Barrier Reef. <i>Marine Pollution Bulletin</i> , 2012, 65, 280-291.	5.0	81
20	Reserves as tools for alleviating impacts of marine disease. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150210.	4.0	69
21	A novel approach to model exposure of coastal-marine ecosystems to riverine flood plumes based on remote sensing techniques. <i>Journal of Environmental Management</i> , 2013, 119, 194-207.	7.8	64
22	Spatial and temporal distribution of chromophoric dissolved organic matter (CDOM) fluorescence and its contribution to light attenuation in UK waterbodies. <i>Estuarine, Coastal and Shelf Science</i> , 2008, 79, 707-717.	2.1	63
23	Using MODIS data for understanding changes in seagrass meadow health: A case study in the Great Barrier Reef (Australia). <i>Marine Environmental Research</i> , 2014, 98, 68-85.	2.5	60
24	A Review of the Tools Used for Marine Monitoring in the UK: Combining Historic and Contemporary Methods with Modeling and Socioeconomics to Fulfill Legislative Needs and Scientific Ambitions. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	59
25	A demographic approach to monitoring the health of coral reefs. <i>Marine Pollution Bulletin</i> , 2005, 51, 399-407.	5.0	56
26	Setting nutrient thresholds to support an ecological assessment based on nutrient enrichment, potential primary production and undesirable disturbance. <i>Marine Pollution Bulletin</i> , 2007, 55, 65-73.	5.0	56
27	Changes in the water quality conditions of Kuwait's marine waters: Long term impacts of nutrient enrichment. <i>Marine Pollution Bulletin</i> , 2015, 100, 607-620.	5.0	55
28	Baseline survey of marine sediments collected from the State of Kuwait: PAHs, PCBs, brominated flame retardants and metal contamination. <i>Marine Pollution Bulletin</i> , 2015, 100, 629-636.	5.0	53
29	Past and Future Grand Challenges in Marine Ecosystem Ecology. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	52
30	Lifeform indicators reveal large-scale shifts in plankton across the North-West European shelf. <i>Global Change Biology</i> , 2020, 26, 3482-3497.	9.5	49
31	Estimating the diffuse attenuation coefficient from optically active constituents in UK marine waters. <i>Estuarine, Coastal and Shelf Science</i> , 2009, 82, 73-83.	2.1	48
32	The influence of a season of extreme wet weather events on exposure of the World Heritage Area Great Barrier Reef to pesticides. <i>Marine Pollution Bulletin</i> , 2012, 64, 1495-1507.	5.0	48
33	Microbial water quality and sedimentary faecal sterols as markers of sewage contamination in Kuwait. <i>Marine Pollution Bulletin</i> , 2015, 100, 689-698.	5.0	48
34	Implementation of the Water Framework Directive in European marine waters. <i>Marine Pollution Bulletin</i> , 2007, 55, 1-2.	5.0	47
35	Extending the phytoplankton tool kit for the UK Water Framework Directive: indicators of phytoplankton community structure. <i>Hydrobiologia</i> , 2009, 633, 151-168.	2.0	46
36	Screening for contaminant hotspots in the marine environment of Kuwait using ecotoxicological and chemical screening techniques. <i>Marine Pollution Bulletin</i> , 2015, 100, 681-688.	5.0	42

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37	Searching for undesirable disturbance: an application of the OSPAR eutrophication assessment method to marine waters of England and Wales. <i>Biogeochemistry</i> , 2011, 106, 157-175.	3.5	41
38	Potential Enhanced Survivorship of Crown of Thorns Starfish Larvae due to Near-Annual Nutrient Enrichment during Secondary Outbreaks on the Central Mid-Shelf of the Great Barrier Reef, Australia. <i>Diversity</i> , 2017, 9, 17.	1.7	41
39	Assessing the suitability of OSPAR EcoQOs for eutrophication vs ICES criteria for England and Wales. <i>Marine Pollution Bulletin</i> , 2005, 50, 1569-1584.	5.0	40
40	Using MODIS data for mapping of water types within river plumes in the Great Barrier Reef, Australia: Towards the production of river plume risk maps for reef and seagrass ecosystems. <i>Journal of Environmental Management</i> , 2014, 137, 163-177.	7.8	37
41	Plankton lifeforms as a biodiversity indicator for regional-scale assessment of pelagic habitats for policy. <i>Ecological Indicators</i> , 2019, 101, 913-925.	6.3	37
42	Estimating the Exposure of Coral Reefs and Seagrass Meadows to Land-Sourced Contaminants in River Flood Plumes of the Great Barrier Reef: Validating a Simple Satellite Risk Framework with Environmental Data. <i>Remote Sensing</i> , 2016, 8, 210.	4.0	34
43	Combining in-situ water quality and remotely sensed data across spatial and temporal scales to measure variability in wet season chlorophyll-a: Great Barrier Reef lagoon (Queensland, Australia). <i>Ecological Processes</i> , 2013, 2, .	3.9	32
44	The Irish Sea: Is it eutrophic?. <i>Estuarine, Coastal and Shelf Science</i> , 2008, 76, 239-254.	2.1	30
45	A flood of information: Using Sentinel-3 water colour products to assure continuity in the monitoring of water quality trends in the Great Barrier Reef (Australia). <i>Journal of Environmental Management</i> , 2019, 248, 109255.	7.8	23
46	Utilizing Eutrophication Assessment Directives From Transitional to Marine Systems in the Thames Estuary and Liverpool Bay, UK. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	23
47	Seasonal and Temporal Drivers Influencing Phytoplankton Community in Kuwait Marine Waters: Documenting a Changing Landscape in the Gulf. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	22
48	Variability of nutrient regeneration rates and nutrient concentrations in surface sediments of the northern Great Barrier Reef shelf. <i>Continental Shelf Research</i> , 2001, 21, 145-155.	1.8	20
49	Great Barrier Reef No-Take Areas Include a Range of Disturbance Regimes. <i>Conservation Letters</i> , 2016, 9, 191-199.	5.7	19
50	Contribution of individual rivers to Great Barrier Reef nitrogen exposure with implications for management prioritization. <i>Marine Pollution Bulletin</i> , 2018, 133, 30-43.	5.0	19
51	Baseline assessment of coastal water quality, in Vanuatu, South Pacific: Insights gained from in-situ sampling. <i>Marine Pollution Bulletin</i> , 2020, 160, 111651.	5.0	18
52	High-resolution characterization of the abiotic environment and disturbance regimes on the Great Barrier Reef, 1985-2017. <i>Ecology</i> , 2019, 100, e02574.	3.2	17
53	A biological effects monitoring survey of Cardigan Bay using flatfish histopathology, cellular biomarkers and sediment bioassays: Findings of the Prince Madog Prize 2003. <i>Marine Environmental Research</i> , 2006, 62, S342-S346.	2.5	15
54	Defining wet season water quality target concentrations for ecosystem conservation using empirical light attenuation models: A case study in the Great Barrier Reef (Australia). <i>Journal of Environmental Management</i> , 2018, 213, 451-466.	7.8	15

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55	Marine water quality of a densely populated Pacific atoll (Tarawa, Kiribati): Cumulative pressures and resulting impacts on ecosystem and human health. <i>Marine Pollution Bulletin</i> , 2021, 163, 111951.	5.0	15
56	Kuwait's marine biodiversity: Qualitative assessment of indicator habitats and species. <i>Marine Pollution Bulletin</i> , 2021, 163, 111915.	5.0	15
57	Ticking ecological time bombs: Risk characterisation and management of oil polluting World War II shipwrecks in the Pacific Ocean. <i>Marine Pollution Bulletin</i> , 2021, 164, 112087.	5.0	15
58	A seafood risk tool for assessing and mitigating chemical and pathogen hazards in the aquaculture supply chain. <i>Nature Food</i> , 2022, 3, 169-178.	14.0	14
59	The Marine Environment of Kuwait—Emerging issues in a rapidly changing environment. <i>Marine Pollution Bulletin</i> , 2015, 100, 593-596.	5.0	13
60	Spatial and temporal analysis of the risks posed by total petroleum hydrocarbon and trace element contaminants in coastal waters of Kuwait. <i>Marine Pollution Bulletin</i> , 2017, 120, 422-427.	5.0	13
61	Seagrass habitat in Tarawa Lagoon, Kiribati: Service benefits and links to national priority issues. <i>Marine Pollution Bulletin</i> , 2020, 155, 111099.	5.0	13
62	Catchment-to-reef continuum: Case studies from the Great Barrier Reef. A special issue “Marine Pollution Bulletin 2012. <i>Marine Pollution Bulletin</i> , 2012, 65, 77-80.	5.0	12
63	Principles to enable comprehensive national marine ecosystem status assessments from disparate data: The state of the marine environment in Kuwait. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 230, 106407.	2.1	12
64	Optimizing Monitoring Programs: A Case Study Based on the OSPAR Eutrophication Assessment for UK Waters. <i>Frontiers in Marine Science</i> , 2019, 5, .	2.5	11
65	The tropical Pacific Oceanscape: Current issues, solutions and future possibilities.. <i>Marine Pollution Bulletin</i> , 2021, 166, 112181.	5.0	10
66	Aquatic contaminants in Solomon Islands and Vanuatu: Evidence from passive samplers and Microtox toxicity assessment. <i>Marine Pollution Bulletin</i> , 2021, 165, 112118.	5.0	8
67	The Plankton Lifeform Extraction Tool: a digital tool to increase the discoverability and usability of plankton time-series data. <i>Earth System Science Data</i> , 2021, 13, 5617-5642.	9.9	8
68	Preface: “Eutrophication” issue of <i>Biogeochemistry</i> . <i>Biogeochemistry</i> , 2011, 106, 135-136.	3.5	7
69	A simulation tool for designing nutrient monitoring programmes for eutrophication assessments. <i>Environmetrics</i> , 2010, 21, 3-20.	1.4	6
70	Spatial and temporal analysis of the risks posed by metal contamination in coastal and marine sediments of Bahrain. <i>Environmental Monitoring and Assessment</i> , 2022, 194, 62.	2.7	4
71	Can Forel’s Ule Index Act as a Proxy of Water Quality in Temperate Waters? Application of Plume Mapping in Liverpool Bay, UK. <i>Remote Sensing</i> , 2022, 14, 2375.	4.0	4
72	Management of Agriculture to Preserve Environmental Values of the Great Barrier Reef, Australia. , 2015, , 275-292.		1

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73	Coral Reefs: The good and not so good news with future bright and dark spots for coral reefs through climate change. <i>Global Change Biology</i> , 2022, , .	9.5	1
74	Preface: "eutrophication" issue of biogeochemistry. <i>Biogeochemistry</i> , 2011, 106, 135.	3.5	0