

# Ross Jones

## List of Publications by Year in descending order

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Version: 2024-02-01

76  
papers

5,540  
citations

81889

39  
h-index

82542

72  
g-index

78  
all docs

78  
docs citations

78  
times ranked

3774  
citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature-induced bleaching of corals begins with impairment of the CO <sub>2</sub> fixation mechanism in zooxanthellae. <i>Plant, Cell and Environment</i> , 1998, 21, 1219-1230.	5.7	588
2	Caribbean Corals in Crisis: Record Thermal Stress, Bleaching, and Mortality in 2005. <i>PLoS ONE</i> , 2010, 5, e13969.	2.5	517
3	Photoinhibition and photoprotection in symbiotic dinoflagellates from reef-building corals. <i>Marine Ecology - Progress Series</i> , 1999, 183, 73-86.	1.9	199
4	Diurnal changes in the photochemical efficiency of the symbiotic dinoflagellates (Dinophyceae) of corals: photoprotection, photoinactivation and the relationship to coral bleaching. <i>Plant, Cell and Environment</i> , 2001, 24, 89-99.	5.7	184
5	Regulation and control of intracellular algae (= zooxanthellae) in hard corals. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1997, 352, 457-468.	4.0	167
6	Phytotoxicity of Photosystem II (PSII) herbicides to coral. <i>Marine Ecology - Progress Series</i> , 2003, 261, 149-159.	1.9	167
7	The ecotoxicological effects of Photosystem II herbicides on corals. <i>Marine Pollution Bulletin</i> , 2005, 51, 495-506.	5.0	157
8	Effects of herbicides diuron and atrazine on corals of the Great Barrier Reef, Australia. <i>Marine Ecology - Progress Series</i> , 2003, 251, 153-167.	1.9	151
9	Effects of the herbicide diuron on the early life history stages of coral. <i>Marine Pollution Bulletin</i> , 2005, 51, 370-383.	5.0	150
10	Assessing the impacts of sediments from dredging on corals. <i>Marine Pollution Bulletin</i> , 2016, 102, 9-29.	5.0	136
11	Geographic differences in vertical connectivity in the Caribbean coral <i>Montastraea cavernosa</i> despite high levels of horizontal connectivity at shallow depths. <i>Molecular Ecology</i> , 2014, 23, 4226-4240.	3.9	131
12	Effects of sediments on the reproductive cycle of corals. <i>Marine Pollution Bulletin</i> , 2015, 100, 13-33.	5.0	131
13	DMSP in Corals and Benthic Algae from the Great Barrier Reef. <i>Estuarine, Coastal and Shelf Science</i> , 2002, 55, 547-555.	2.1	128
14	PAM Chlorophyll Fluorometry: a New in situ Technique for Stress Assessment in Scleractinian Corals, used to Examine the Effects of Cyanide from Cyanide Fishing. <i>Marine Pollution Bulletin</i> , 1999, 38, 864-874.	5.0	122
15	Zooxanthellae loss as a bioassay for assessing stress in corals. <i>Marine Ecology - Progress Series</i> , 1997, 149, 163-171.	1.9	121
16	Dynamics of a temperature-related coral disease outbreak. <i>Marine Ecology - Progress Series</i> , 2004, 281, 63-77.	1.9	120
17	Cell death and degeneration in the symbiotic dinoflagellates of the coral <i>Stylophora pistillata</i> during bleaching. <i>Marine Ecology - Progress Series</i> , 2004, 272, 117-130.	1.9	113
18	Impacts of turbidity on corals: The relative importance of light limitation and suspended sediments. <i>Marine Pollution Bulletin</i> , 2017, 117, 161-170.	5.0	106

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19	Changes in quantum efficiency of Photosystem II of symbiotic dinoflagellates of corals after heat stress, and of bleached corals sampled after the 1998 Great Barrier Reef mass bleaching event. <i>Marine and Freshwater Research</i> , 2000, 51, 63.	1.3	103
20	Long distance dispersal and vertical gene flow in the Caribbean brooding coral <i>Porites astreoides</i> . <i>Scientific Reports</i> , 2016, 6, 21619.	3.3	102
21	Coral bleaching, bleaching-induced mortality, and the adaptive significance of the bleaching response. <i>Marine Biology</i> , 2008, 154, 65-80.	1.5	92
22	Is coral bleaching really adaptive?. <i>Nature</i> , 2002, 415, 601-602.	27.8	89
23	Changes in zooxanthellar densities and chlorophyll concentrations in corals during and after a bleaching event. <i>Marine Ecology - Progress Series</i> , 1997, 158, 51-59.	1.9	88
24	Effects of hypo-osmosis on the coral <i>Stylophora pistillata</i> : nature and cause of 'low-salinity bleaching'. <i>Marine Ecology - Progress Series</i> , 2003, 253, 145-154.	1.9	87
25	Effects of cyanide on coral photosynthesis: implications for identifying the cause of coral bleaching and for assessing the environmental effects of cyanide fishing. <i>Marine Ecology - Progress Series</i> , 1999, 177, 83-91.	1.9	73
26	Testing the 'photoinhibition' model of coral bleaching using chemical inhibitors. <i>Marine Ecology - Progress Series</i> , 2004, 284, 133-145.	1.9	72
27	P-glycoprotein (multi-xenobiotic resistance) and heat shock protein gene expression in the reef coral <i>Montastraea franksi</i> in response to environmental toxicants. <i>Aquatic Toxicology</i> , 2009, 93, 188-195.	4.0	67
28	Effects of cyanide on corals in relation to cyanide fishing on reefs. <i>Marine and Freshwater Research</i> , 1997, 48, 517.	1.3	62
29	Acute ecotoxicology of natural oil and gas condensate to coral reef larvae. <i>Scientific Reports</i> , 2016, 6, 21153.	3.3	58
30	Effects of light attenuation on the sponge holobiont- implications for dredging management. <i>Scientific Reports</i> , 2016, 6, 39038.	3.3	56
31	Chemical contamination of a coral reef by the grounding of a cruise ship in Bermuda. <i>Marine Pollution Bulletin</i> , 2007, 54, 905-911.	5.0	55
32	Synergistic and antagonistic impacts of suspended sediments and thermal stress on corals. <i>Nature Communications</i> , 2019, 10, 2346.	12.8	54
33	Temporal Patterns in Seawater Quality from Dredging in Tropical Environments. <i>PLoS ONE</i> , 2015, 10, e0137112.	2.5	53
34	Settlement patterns of the coral <i>Acropora millepora</i> on sediment-laden surfaces. <i>Science of the Total Environment</i> , 2017, 609, 277-288.	8.0	52
35	Effects of suspended sediments on the sponge holobiont with implications for dredging management. <i>Scientific Reports</i> , 2017, 7, 4925.	3.3	52
36	Coral morphology and sedimentation. <i>Marine Pollution Bulletin</i> , 2017, 125, 289-300.	5.0	50

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37	Spatial Patterns in Water Quality Changes during Dredging in Tropical Environments. PLoS ONE, 2015, 10, e0143309.	2.5	49
38	Impacts of light limitation on corals and crustose coralline algae. Scientific Reports, 2017, 7, 11553.	3.3	47
39	Mucous sheet production in Porites : an effective bioindicator of sediment related pressures. Ecological Indicators, 2017, 77, 276-285.	6.3	43
40	Recurrent bleaching of corals at Magnetic Island (Australia) relative to air and seawater temperature. Marine Ecology - Progress Series, 1997, 158, 289-292.	1.9	42
41	Alterations in dimethylsulfoniopropionate (DMSP) levels in the coral <i>Montastraea franksi</i> in response to copper exposure. Aquatic Toxicology, 2010, 98, 367-373.	4.0	41
42	Responses of corals to chronic turbidity. Scientific Reports, 2020, 10, 4762.	3.3	41
43	Sediment deposition and coral smothering. PLoS ONE, 2019, 14, e0216248.	2.5	38
44	Environmental contamination associated with a marine landfill (â€˜seafillâ€™) beside a coral reef. Marine Pollution Bulletin, 2010, 60, 1993-2006.	5.0	37
45	Suspended sediments limit coral sperm availability. Scientific Reports, 2016, 5, 18084.	3.3	34
46	Continuous in situ monitoring of sediment deposition in shallow benthic environments. Coral Reefs, 2017, 36, 521-533.	2.2	32
47	The effects of ultraviolet radiation and climate on oil toxicity to coral reef organisms â€“ A review. Science of the Total Environment, 2020, 720, 137486.	8.0	30
48	Cumulative impacts: thermally bleached corals have reduced capacity to clear deposited sediment. Scientific Reports, 2017, 7, 2716.	3.3	29
49	Effects of sediment smothering on the sponge holobiont with implications for dredging management. Scientific Reports, 2017, 7, 5156.	3.3	29
50	Exposure to copper induces oxidative and stress responses and DNA damage in the coral <i>Montastraea franksi</i> . Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2013, 157, 272-279.	2.6	28
51	That sinking feeling: Suspended sediments can prevent the ascent of coral egg bundles. Scientific Reports, 2016, 6, 21567.	3.3	28
52	The effects of Produced Formation Water (PFW) on coral and isolated symbiotic dinoflagellates of coral. Marine and Freshwater Research, 2003, 54, 153.	1.3	25
53	Mucous Secretion and Cilia Beating Defend Developing Coral Larvae from Suspended Sediments. PLoS ONE, 2016, 11, e0162743.	2.5	23
54	Assessment of sediment hydrocarbon contamination from the 2009 Montara oil blow out in the Timor Sea. Environmental Pollution, 2016, 211, 214-225.	7.5	22

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55	Spatial patterns of chemical contamination (metals, PAHs, PCBs, PCDDs/PCDFS) in sediments of a non-industrialized but densely populated coral atoll/small island state (Bermuda). <i>Marine Pollution Bulletin</i> , 2011, 62, 1362-1376.	5.0	21
56	Accounting for environmental uncertainty in the management of dredging impacts using probabilistic dose-response relationships and thresholds. <i>Journal of Applied Ecology</i> , 2018, 55, 415-425.	4.0	19
57	The roles of temperature and light in black band disease (BBD) progression on corals of the genus <i>Diploria</i> in Bermuda. <i>Journal of Invertebrate Pathology</i> , 2011, 106, 366-370.	3.2	18
58	Sewage contamination of a densely populated coral atoll (Bermuda). <i>Environmental Monitoring and Assessment</i> , 2011, 179, 309-324.	2.7	18
59	Quantification of total and particulate dimethylsulfoniopropionate (DMSP) in five Bermudian coral species across a depth gradient. <i>Coral Reefs</i> , 2012, 31, 561-570.	2.2	18
60	Comparisons of benthic filter feeder communities before and after a large-scale capital dredging program. <i>Marine Pollution Bulletin</i> , 2017, 122, 176-193.	5.0	18
61	Effects of combined dredging-related stressors on sponges: a laboratory approach using realistic scenarios. <i>Scientific Reports</i> , 2017, 7, 5155.	3.3	16
62	Sediment characteristics influence the fertilisation success of the corals <i>Acropora tenuis</i> and <i>Acropora millepora</i> . <i>Marine Pollution Bulletin</i> , 2018, 135, 941-953.	5.0	16
63	Environmental Effects of the Cruise Tourism Boom: Sediment Resuspension from Cruise Ships and the Possible Effects of Increased Turbidity and Sediment Deposition on Corals (Bermuda). <i>Bulletin of Marine Science</i> , 2011, 87, 659-679.	0.8	15
64	Environmental assessment of metal exposure to corals living in Castle Harbour, Bermuda. <i>Marine Chemistry</i> , 2013, 154, 55-66.	2.3	15
65	Impacts of water quality on <i>Acropora</i> coral settlement: The relative importance of substrate quality and light. <i>Science of the Total Environment</i> , 2021, 777, 146079.	8.0	14
66	Deep zooxanthellate corals at the high latitude Bermuda Seamount. <i>Coral Reefs</i> , 2009, 28, 135-135.	2.2	12
67	Spatial and temporal patterns of coral black band disease in relation to a major sewage outfall. <i>Marine Ecology - Progress Series</i> , 2012, 462, 79-92.	1.9	12
68	Effects of sediment resuspension on the larval stage of the model sponge <i>Carteriospongia foliascens</i> . <i>Science of the Total Environment</i> , 2019, 695, 133837.	8.0	12
69	No effect of dredging on the prevalence of coral disease detected during a large dredging program. <i>Marine Pollution Bulletin</i> , 2019, 140, 353-363.	5.0	11
70	Assessing the risk of light reduction from natural sediment resuspension events and dredging activities in an inshore turbid reef environment. <i>Marine Pollution Bulletin</i> , 2021, 170, 112536.	5.0	9
71	Derivation of toxicity thresholds for gas condensate oils protective of tropical species using experimental and modelling approaches. <i>Marine Pollution Bulletin</i> , 2021, 172, 112899.	5.0	9
72	A common sense approach for confronting coral reef decline associated with human activities. <i>Marine Pollution Bulletin</i> , 2005, 51, 481-485.	5.0	6

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73	Determination of low-level mercury in coralline aragonite by calcination-isotope dilution-inductively coupled plasma-mass spectrometry and its application to <i>Diploria</i> specimens from Castle Harbour, Bermuda. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 109, 27-37.	3.9	5
74	Drill cuttings and drilling fluids (muds) transport, fate and effects near a coral reef mesophotic zone. <i>Marine Pollution Bulletin</i> , 2021, 172, 112717.	5.0	4
75	Developing transcriptional profiles in <i>Orbicella franksi</i> exposed to copper: Characterizing responses associated with a spectrum of laboratory-controlled environmental conditions. <i>Aquatic Toxicology</i> , 2017, 189, 60-76.	4.0	1
76	Montara: Scientific Monitoring of Shallow Reefs and Submerged Shoals. , 2012, , .		0