Bette L Willis

List of Publications by Year
in descending order

174 papers	23,254 citations	8755 75 h-index	9103 144 g-index
184 all docs	184 docs citations	184 times ranked	11369 citing authors

#	Article	IF	Citations
1	Global warming and recurrent mass bleaching of corals. Nature, 2017, 543, 373-377.	27.8	2,363
2	Phase Shifts, Herbivory, and the Resilience of Coral Reefs to Climate Change. Current Biology, 2007, 17, 360-365.	3.9	1,239
3	Thermal Stress and Coral Cover as Drivers of Coral Disease Outbreaks. PLoS Biology, 2007, 5, e124.	5.6	694
4	Synchronous spawnings of 105 scleractinian coral species on the Great Barrier Reef. Marine Biology, 1986, 90, 379-394.	1.5	622
5	Mass Spawning in Tropical Reef Corals. Science, 1984, 223, 1186-1189.	12.6	610
6	Systematic and Biogeographical Patterns in the Reproductive Biology of Scleractinian Corals. Annual Review of Ecology, Evolution, and Systematics, 2009, 40, 551-571.	8.3	590
7	Plastic waste associated with disease on coral reefs. Science, 2018, 359, 460-462.	12.6	540
8	Flexibility in Algal Endosymbioses Shapes Growth in Reef Corals. Science, 2004, 304, 1492-1494.	12.6	530
9	Climate Change Influences on Marine Infectious Diseases: Implications for Management and Society. Annual Review of Marine Science, 2014, 6, 249-277.	11.6	484
10	Larval retention and connectivity among populations of corals and reef fishes: history, advances and challenges. Coral Reefs, 2009, 28, 307-325.	2.2	460
11	Coral-Associated Bacteria and Their Role in the Biogeochemical Cycling of Sulfur. Applied and Environmental Microbiology, 2009, 75, 3492-3501.	3.1	395
12	Coral thermal tolerance shaped by local adaptation of photosymbionts. Nature Climate Change, 2012, 2, 116-120.	18.8	393
13	Coral Disease, Environmental Drivers, and the Balance Between Coral and Microbial Associates. Oceanography, 2007, 20, 172-195.	1.0	392
14	Microbial Ecology of Four Coral Atolls in the Northern Line Islands. PLoS ONE, 2008, 3, e1584.	2.5	383
15	SUPPLY-SIDE ECOLOGY WORKS BOTH WAYS: THE LINK BETWEEN BENTHIC ADULTS, FECUNDITY, AND LARVAL RECRUITS. Ecology, 2000, 81, 2241-2249.	3.2	347
16	Rapid adaptive responses to climate change in corals. Nature Climate Change, 2017, 7, 627-636.	18.8	327
17	Patterns of recruitment and abundance of corals along the Great Barrier Reef. Nature, 1999, 397, 59-63.	27.8	321
18	Effects of algal turfs and sediment on coral settlement. Marine Pollution Bulletin, 2005, 51, 408-414.	5.0	318

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19	Speciesâ€“specific interactions between algal endosymbionts and coral hosts define their bleaching response to heat and light stress. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 2273-2282.	2.6	296
20	Corals Form Characteristic Associations with Symbiotic Nitrogen-Fixing Bacteria. Applied and Environmental Microbiology, 2012, 78, 3136-3144.	3.1	275
21	Coral Disease on the Great Barrier Reef. , 2004, , 69-104.		269
22	Coral-associated bacteria demonstrate phylosymbiosis and cophylogeny. Nature Communications, 2018, 9, 4921.	12.8	264
23	DMSP biosynthesis by an animal and its role in coral thermal stress response. Nature, 2013, 502, 677-680.	27.8	258
24	The Evolutionary History of the Coral Genus Acropora (Scleractinia, Cnidaria) Based on a Mitochondrial and a Nuclear Marker: Reticulation, Incomplete Lineage Sorting, or Morphological Convergence?. Molecular Biology and Evolution, 2001, 18, 1315-1329.	8.9	256
25	Projections of climate conditions that increase coral disease susceptibility and pathogen abundance and virulence. Nature Climate Change, 2015, 5, 688-694.	18.8	252
26	Seasonal and local spatial patterns in the upper thermal limits of corals on the inshore Central Great Barrier Reef. Coral Reefs, 1999, 18, 219-228.	2.2	244
27	Coral Pathogens Identified for White Syndrome (WS) Epizootics in the Indo-Pacific. PLoS ONE, 2008, 3, e2393.	2.5	235
28	Juvenile corals can acquire more carbon from high-performance algal symbionts. Coral Reefs, 2009, 28, 405-414.	2.2	233
29	Diversities of coral-associated bacteria differ with location, but not species, for three acroporid corals on the Great Barrier Reef. FEMS Microbiology Ecology, 2009, 68, 152-163.	2.7	224
30	The Role of Hybridization in the Evolution of Reef Corals. Annual Review of Ecology, Evolution, and Systematics, 2006, 37, 489-517.	8.3	206
31	Do the organic sulfur compounds DMSP and DMS drive coral microbial associations?. Trends in Microbiology, 2010, 18, 101-108.	7.7	203
32	Sediment and Turbidity Associated with Offshore Dredging Increase Coral Disease Prevalence on Nearby Reefs. PLoS ONE, 2014, 9, e102498.	2.5	197
33	Metagenomic analysis of the coral holobiont during a natural bleaching event on the Great Barrier Reef. Environmental Microbiology Reports, 2011, 3, 651-660.	2.4	195
34	Examination of species boundaries in the Acropora cervicornis group (Scleractinia, Cnidaria) using nuclear DNA sequence analyses. Molecular Ecology, 2000, 9, 1363-1373.	3.9	180
35	Scuba diving damage and intensity of tourist activities increases coral disease prevalence. Biological Conservation, 2014, 178, 88-96.	4.1	179
36	The Roles and Interactions of Symbiont, Host and Environment in Defining Coral Fitness. PLoS ONE, 2009, 4, e6364.	2.5	176

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37	Experimental hybridization and breeding incompatibilities within the mating systems of mass spawning reef corals. Coral Reefs, 1997, 16, S53-S65.	2.2	173
38	Historical thermal regimes define limits to coral acclimatization. Ecology, 2013, 94, 1078-1088.	3.2	154
39	Onset of algal endosymbiont specificity varies among closely related species of Acropora corals during early ontogeny. Molecular Ecology, 2009, 18, 3532-3543.	3.9	147
40	Global coral disease prevalence associated with sea temperature anomalies and local factors. Diseases of Aquatic Organisms, 2012, 100, 249-261.	1.0	145
41	Deep-Sequencing Method for Quantifying Background Abundances of Symbiodinium Types: Exploring the Rare Symbiodinium Biosphere in Reef-Building Corals. PLoS ONE, 2014, 9, e94297.	2.5	135
42	Evidence of an inflammatory-like response in non-normally pigmented tissues of two scleractinian corals. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 2687-2693.	2.6	132
43	Comparative analysis of energy allocation to tissue and skeletal growth in corals. Limnology and Oceanography, 2002, 47, 1417-1429.	3.1	126
44	Spawning times, reproductive compatibilities and genetic structuring in the Acropora aspera group: evidence for natural hybridization and semi-permeable species boundaries in corals. Molecular Ecology, 2002, 11, 1363-1376.	3.9	125
45	The Urgent Need for Robust Coral Disease Diagnostics. PLoS Pathogens, 2011, 7, e1002183.	4.7	124
46	Isolation of an antimicrobial compound produced by bacteria associated with reef-building corals. PeerJ, 2016, 4, e2275.	2.0	122
47	Impacts of bleaching on the soft coral Lobophytum compactum . I. Fecundity, fertilization and offspring viability. Coral Reefs, 2001, 19, 231-239.	2.2	119
48	Seasonal Rainfall and Runoff Promote Coral Disease on an Inshore Reef. PLoS ONE, 2011, 6, e16893.	2.5	117
49	Responses of coral-associated bacterial communities to heat stress differ withSymbiodiniumtype on the same coral host. Molecular Ecology, 2010, 19, 1978-1990.	3.9	112
50	Coral-spawn slicks in the Great Barrier Reef: preliminary observations. Marine Biology, 1987, 94, 521-529.	1.5	111
51	Methods for sampling free-living Symbiodinium (zooxanthellae) and their distribution and abundance at Lizard Island (Great Barrier Reef). Journal of Experimental Marine Biology and Ecology, 2008, 364, 48-53.	1.5	108
52	Asexual reproduction and genetic determination of growth form in the coral Pavona cactus: biochemical genetic and immunogenic evidence. Oecologia, 1985, 65, 516-525.	2.0	106
53	Elevated temperature and light enhance progression and spread of black band disease on staghorn corals of the Great Barrier Reef. Marine Biology, 2007, 151, 1711-1720.	1.5	106
54	Dynamics of seasonal outbreaks of black band disease in an assemblage of Montipora species at Pelorus Island (Great Barrier Reef, Australia). Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 2795-2803.	2.6	105

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55	Onset and establishment of diazotrophs and other bacterial associates in the early life history stages of the coral Acropora millepora. Molecular Ecology, 2014, 23, 4682-4695.	3.9	104
56	Summer Hot Snaps and Winter Conditions: Modelling White Syndrome Outbreaks on Great Barrier Reef Corals. PLoS ONE, 2010, 5, e12210.	2.5	104
57	DETECTING REGIONAL VARIATION USING META-ANALYSIS AND LARGE-SCALE SAMPLING: LATITUDINAL PATTERNS IN RECRUITMENT. Ecology, 2002, 83, 436-451.	3.2	99
58	Direct tracking of coral larvae: Implications for dispersal studies of planktonic larvae in topographically complex environments. Ophelia, 1990, 32, 145-162.	0.3	98
59	Epidemiology of skeletal eroding band on the Great Barrier Reef and the role of injury in the initiation of this widespread coral disease. Coral Reefs, 2008, 27, 257-272.	2.2	97
60	Atypically low rate of cytochrome b evolution in the scleractinian coral genus Acropora. Proceedings of the Royal Society B: Biological Sciences, 1999, 266, 179-183.	2.6	95
61	Successional changes in bacterial communities during the development of black band disease on the reef coral, Montipora hispida. ISME Journal, 2010, 4, 203-214.	9.8	94
62	The need for broader ecological and socioeconomic tools to evaluate the effectiveness of coral restoration programs. Restoration Ecology, 2017, 25, 873-883.	2.9	94
63	Growth Anomalies on the Coral Genera Acropora and Porites Are Strongly Associated with Host Density and Human Population Size across the Indo-Pacific. PLoS ONE, 2011, 6, e16887.	2.5	91
64	Reproductive energy investment in corals: scaling with module size. Oecologia, 2003, 136, 524-531.	2.0	90
65	Heritability of the Symbiodinium community in vertically- and horizontally-transmitting broadcast spawning corals. Scientific Reports, 2017, 7, 8219.	3.3	89
66	Vibrio Zinc-Metalloprotease Causes Photoinactivation of Coral Endosymbionts and Coral Tissue Lesions. PLoS ONE, 2009, 4, e4511.	2.5	89
67	Highly infectious symbiont dominates initial uptake in coral juveniles. Molecular Ecology, 2009, 18, 3518-3531.	3.9	88
68	The transcriptomic response of the coral Acropora digitifera to a competent Symbiodinium strain: the symbiosome as an arrested early phagosome. Molecular Ecology, 2016, 25, 3127-3141.	3.9	88
69	Corals Use Similar Immune Cells and Wound-Healing Processes as Those of Higher Organisms. PLoS ONE, 2011, 6, e23992.	2.5	88
70	Coral propagation: a review of techniques for ornamental trade and reef restoration. Reviews in Aquaculture, 2017, 9, 238-256.	9.0	87
71	Biomedical and veterinary science can increase our understanding of coral disease. Journal of Experimental Marine Biology and Ecology, 2008, 362, 63-70.	1.5	86
72	Maternal effects and Symbiodinium community composition drive differential patterns in juvenile survival in the coral Acropora tenuis. Royal Society Open Science, 2016, 3, 160471.	2.4	86

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73	Unexpected cryptic species diversity in the widespread coral SeriatoporaÂhystrix masks spatialâ€genetic patterns of connectivity. Molecular Ecology, 2015, 24, 2993-3008.	3.9	85
74	Amplicon pyrosequencing reveals spatial and temporal consistency in diazotroph assemblages of the <scp>A</scp>cropora millepora microbiome. Environmental Microbiology, 2014, 16, 3345-3359.	3.8	84
75	Distribution, host range and large-scale spatial variability in black band disease prevalence on the Great Barrier Reef, Australia. Diseases of Aquatic Organisms, 2006, 69, 41-51.	1.0	82
76	ReefTemp: An interactive monitoring system for coral bleaching using highâ€resolution SST and improved stress predictors. Geophysical Research Letters, 2008, 35, .	4.0	81
77	A comparative study of phenoloxidase activity in diseased and bleached colonies of the coral Acropora millepora. Developmental and Comparative Immunology, 2011, 35, 1098-1101.	2.3	81
78	Assembly Rules of Reef Corals Are Flexible along a Steep Climatic Gradient. Current Biology, 2012, 22, 736-741.	3.9	81
79	Microarray analysis reveals transcriptional plasticity in the reef building coral Acropora millepora. Molecular Ecology, 2009, 18, 3062-3075.	3.9	80
80	Population structure in the coral Pavona cactus: clonal genotypes show little phenotypic plasticity. Marine Biology, 1988, 99, 495-505.	1.5	79
81	Systematics of the Coral Genus Acropora: Implications of New Biological Findings for Species Concepts. Annual Review of Ecology, Evolution, and Systematics, 1994, 25, 237-262.	6.7	77
82	The coral immune response facilitates protection against microbes during tissue regeneration. Molecular Ecology, 2015, 24, 3390-3404.	3.9	75
83	Towards a better understanding of white syndromes and their causes on Indo-Pacific coral reefs. Coral Reefs, 2015, 34, 233-242.	2.2	70
84	Genetic markers for antioxidant capacity in a reef-building coral. Science Advances, 2016, 2, e1500842.	10.3	69
85	Reserves as tools for alleviating impacts of marine disease. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150210.	4.0	69
86	The highly cross-fertile coral species, Acropora hyacinthus and Acropora cytherea, constitute statistically distinguishable lineages. Molecular Ecology, 2002, 11, 1339-1349.	3.9	68
87	Chimerism in Wild Adult Populations of the Broadcast Spawning Coral Acropora millepora on the Great Barrier Reef. PLoS ONE, 2009, 4, e7751.	2.5	67
88	Integrated approach to understanding the onset and pathogenesis of black band disease in corals. Environmental Microbiology, 2016, 18, 752-765.	3.8	67
89	Coral larvae for restoration and research: a large-scale method for rearing Acropora millepora larvae, inducing settlement, and establishing symbiosis. PeerJ, 2017, 5, e3732.	2.0	67
90	High genetic differentiation and cross-shelf patterns of genetic diversity among Great Barrier Reef populations of Symbiodinium. Coral Reefs, 2009, 28, 215-225.	2.2	66

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91	Some Rare Indo-Pacific Coral Species Are Probable Hybrids. PLoS ONE, 2008, 3, e3240.	2.5	64
92	The corallivorous invertebrate Drupella aids in transmission of brown band disease on the Great Barrier Reef. Coral Reefs, 2013, 32, 585-595.	2.2	63
93	Identification of a Ciliate (Oligohymenophorea: Scuticociliatia) Associated with Brown Band Disease on Corals of the Great Barrier Reef. Applied and Environmental Microbiology, 2008, 74, 883-888.	3.1	62
94	Reduced diversity and stability of coral-associated bacterial communities and suppressed immune function precedes disease onset in corals. Royal Society Open Science, 2019, 6, 190355.	2.4	59
95	Deciphering Coral Disease Dynamics: Integrating Host, Microbiome, and the Changing Environment. Frontiers in Ecology and Evolution, 2020, 8, .	2.2	58
96	Unexpected patterns of genetic structuring among locations but not colour morphs in Acropora nasuta (Cnidaria; Scleractinia). Molecular Ecology, 2004, 13, 9-20.	3.9	57
97	A single cyanobacterial ribotype is associated with both red and black bands on diseased corals from Palau. Diseases of Aquatic Organisms, 2006, 69, 111-118.	1.0	57
98	Coral restoration: Socio-ecological perspectives of benefits and limitations. Biological Conservation, 2019, 229, 14-25.	4.1	57
99	Analyzing the relationship between ocean temperature anomalies and coral disease outbreaks at broad spatial scales. Coastal and Estuarine Studies, 2006, , 111-128.	0.4	53
100	Predicting outbreaks of a climate-driven coral disease in the Great Barrier Reef. Coral Reefs, 2011, 30, 485-495.	2.2	53
101	High potential for formation and persistence of chimeras following aggregated larval settlement in the broadcast spawning coral, Acropora millepora. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 699-708.	2.6	53
102	Unexpected mixed-mode transmission and moderate genetic regulation of Symbiodinium communities in a brooding coral. Heredity, 2018, 121, 524-536.	2.6	53
103	Antimicrobial and stress responses to increased temperature and bacterial pathogen challenge in the holobiont of a reefâ€building coral. Molecular Ecology, 2018, 27, 1065-1080.	3.9	53
104	Cumulative Effects of Nutrient Enrichment and Elevated Temperature Compromise the Early Life History Stages of the Coral Acropora tenuis. PLoS ONE, 2016, 11, e0161616.	2.5	52
105	Cumulative effects of suspended sediments, organic nutrients and temperature stress on early life history stages of the coral Acropora tenuis. Scientific Reports, 2017, 7, 44101.	3.3	52
106	White Syndrome-Affected Corals Have a Distinct Microbiome at Disease Lesion Fronts. Applied and Environmental Microbiology, 2017, 83, .	3.1	52
107	Bleaching Resistance and the Role of Algal Endosymbionts. Ecological Studies, 2009, , 83-102.	1.2	51
108	Temperature and Water Quality-Related Patterns in Sediment-Associated Symbiodinium Communities Impact Symbiont Uptake and Fitness of Juveniles in the Genus Acropora. Frontiers in Marine Science, 2017, 4, .	2.5	51

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109	Impacts of bleaching on the soft coral Lobophytum compactum. II. Biochemical changes in adults and their eggs. , 2001, 19, 240-246.		50
110	Spatio-temporal coral disease dynamics in the Wakatobi Marine National Park, South-East Sulawesi, Indonesia. Diseases of Aquatic Organisms, 2009, 87, 105-115.	1.0	50
111	Using Coral Disease Prevalence to Assess the Effects of Concentrating Tourism Activities on Offshore Reefs in a Tropical Marine Park. Conservation Biology, 2011, 25, 1044-1052.	4.7	48
112	Protected areas mitigate diseases of reefâ€building corals by reducing damage from fishing. Ecology, 2015, 96, 2555-2567.	3.2	48
113	The Importance of Coral Larval Recruitment for the Recovery of Reefs Impacted by Cyclone Yasi in the Central Great Barrier Reef. PLoS ONE, 2013, 8, e65363.	2.5	48
114	Selective feeding by coral reef fishes on coral lesions associated with brown band and black band disease. Coral Reefs, 2011, 30, 473-481.	2.2	45
115	Energy allocation in a reef coral under varying resource availability. Marine Biology, 2012, 159, 177-186.	1.5	45
116	Impact of Light and Temperature on the Uptake of Algal Symbionts by Coral Juveniles. PLoS ONE, 2012, 7, e50311.	2.5	45
117	Crown-of-thorns starfish predation and physical injuries promote brown band disease on corals. Coral Reefs, 2014, 33, 705-716.	2.2	44
118	Effects of temperature and light on the progression of black band disease on the reef coral, Montipora hispida. Coral Reefs, 2011, 30, 753.	2.2	42
119	Spatial and temporal genetic structure of <scp>S</scp>ymbiodinium populations within a common reefâ€building coral on the <scp>G</scp>reat <scp>B</scp>arrier <scp>R</scp>eef. Molecular Ecology, 2013, 22, 3693-3708.	3.9	42
120	Predation scars may influence host susceptibility to pathogens: evaluating the role of corallivores as vectors of coral disease. Scientific Reports, 2018, 8, 5258.	3.3	42
121	Transgenerational inheritance of shuffled symbiont communities in the coral Montipora digitata. Scientific Reports, 2019, 9, 13328.	3.3	42
122	Coral Restoration Effectiveness: Multiregional Snapshots of the Long-Term Responses of Coral Assemblages to Restoration. Diversity, 2020, 12, 153.	1.7	42
123	A Framework for Responding to Coral Disease Outbreaks that Facilitates Adaptive Management. Environmental Management, 2012, 49, 1-13.	2.7	41
124	Influence of marine reserves on coral disease prevalence. Diseases of Aquatic Organisms, 2009, 87, 135-150.	1.0	41
125	Unravelling the links between heat stress, bleaching and disease: fate of tabular corals following a combined disease and bleaching event. Coral Reefs, 2019, 38, 591-603.	2.2	40
126	Allorecognition maturation in the broadcast-spawning coral Acropora millepora. Coral Reefs, 2012, 31, 1019-1028.	2.2	39

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127	Direct measurement of dimethylsulfoniopropionate (DMSP) in reef-building corals using quantitative nuclear magnetic resonance (qNMR) spectroscopy. Journal of Experimental Marine Biology and Ecology, 2013, 443, 85-89.	1.5	37
128	Imaging the uptake of nitrogen-fixing bacteria into larvae of the coral Acropora millepora. ISME Journal, 2016, 10, 1804-1808.	9.8	36
129	Rapid declines in metabolism explain extended coral larval longevity. Coral Reefs, 2013, 32, 539-549.	2.2	35
130	Genetic assignment of recruits reveals shortâ€•and longâ€distance larval dispersal in <scp>P</scp>ocillopora damicornis on the <scp>G</scp>reat <scp>B</scp>arrier <scp>R</scp>eef. Molecular Ecology, 2013, 22, 5821-5834.	3.9	34
131	Effects of suspended sediments and nutrient enrichment on juvenile corals. Marine Pollution Bulletin, 2017, 125, 166-175.	5.0	34
132	An Indo-Pacific coral spawning database. Scientific Data, 2021, 8, 35.	5.3	34
133	Cymo melanodactylus crabs slow progression of white syndrome lesions on corals. Coral Reefs, 2013, 32, 43-48.	2.2	33
134	Implications of Ocean Acidification for Marine Microorganisms from the Free-Living to the Host-Associated. Frontiers in Marine Science, 2016, 3, .	2.5	33
135	Enzyme activity demonstrates multiple pathways of innate immunity in Indo-Pacific anthozoans. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 3879-3887.	2.6	32
136	Revisiting the connectivity puzzle of the common coral <scp>P</scp>ocillopora damicornis. Molecular Ecology, 2013, 22, 5805-5820.	3.9	32
137	Sperm dispersal distances estimated by parentage analysis in a brooding scleractinian coral. Molecular Ecology, 2016, 25, 1398-1415.	3.9	32
138	Lunar Phase Modulates Circadian Gene Expression Cycles in the Broadcast Spawning Coral Acropora millepora. Biological Bulletin, 2016, 230, 130-142.	1.8	32
139	Phylogeny of the coral pathogenVibrio coralliilyticus. Environmental Microbiology Reports, 2010, 2, 172-178.	2.4	31
140	Effects of delayed settlement on post-settlement growth and survival of scleractinian coral larvae. Oecologia, 2013, 173, 431-438.	2.0	31
141	In situvisualization of bacterial populations in coral tissues: pitfalls and solutions. PeerJ, 2016, 4, e2424.	2.0	31
142	Spatiotemporal patterns of coral disease prevalence on Heron Island, Great Barrier Reef, Australia. Coral Reefs, 2010, 29, 1035-1045.	2.2	30
143	Coâ€dynamics of Symbiodiniaceae and bacterial populations during the first year of symbiosis with Acropora tenuis juveniles. MicrobiologyOpen, 2020, 9, e959.	3.0	30
144	Variation in the health and biochemical condition of the coral Acropora tenuis along two water quality gradients on the Great Barrier Reef, Australia. Marine Pollution Bulletin, 2017, 119, 106-119.	5.0	26

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145	Elevated CO2 Has Little Influence on the Bacterial Communities Associated With the pH-Tolerant Coral, Massive Porites spp.. Frontiers in Microbiology, 2018, 9, 2621.	3.5	26
146	Detection and Quantification of the Coral Pathogen Vibrio coralliilyticus by Real-Time PCR with TaqMan Fluorescent Probes. Applied and Environmental Microbiology, 2010, 76, 5282-5286.	3.1	25
147	Temporal and spatial variation in fatty acid composition in Acropora tenuis corals along water quality gradients on the Great Barrier Reef, Australia. Coral Reefs, 2019, 38, 215-228.	2.2	25
148	Pyrosequencingâ€based profiling of archaeal and bacterial 16S r<scp>RNA</scp> genes identifies a novel archaeon associated with black band disease in corals. Environmental Microbiology, 2013, 15, 2994-3007.	3.8	24
149	Disease outbreaks, bleaching and a cyclone drive changes in coral assemblages on an inshore reef of the Great Barrier Reef. Coral Reefs, 2013, 32, 815-824.	2.2	24
150	Uncoupling temperature-dependent mortality from lipid depletion for scleractinian coral larvae. Coral Reefs, 2017, 36, 97-104.	2.2	23
151	Decadal erosion of coral assemblages by multiple disturbances in the Palm Islands, central Great Barrier Reef. Scientific Reports, 2018, 8, 11885.	3.3	23
152	Characterization of coral-associated microbial aggregates (CAMAs) within tissues of the coral Acropora hyacinthus. Scientific Reports, 2019, 9, 14662.	3.3	23
153	Expression of Putative Immune Response Genes during Early Ontogeny in the Coral Acropora millepora. PLoS ONE, 2012, 7, e39099.	2.5	23
154	Assessing baseline levels of coral health in a newly established marine protected area in a global scuba diving hotspot. Marine Environmental Research, 2015, 103, 56-65.	2.5	19
155	Temporal patterns in innate immunity parameters in reefâ€building corals and linkages with local climatic conditions. Ecosphere, 2016, 7, e01505.	2.2	18
156	Plasticity in gene expression and fatty acid profiles of Acropora tenuis reciprocally transplanted between two water quality regimes in the central Great Barrier Reef, Australia. Journal of Experimental Marine Biology and Ecology, 2019, 511, 40-53.	1.5	18
157	SELF-RECOGNITION IN SPONGES AND CORALS?. Evolution; International Journal of Organic Evolution, 1985, 39, 461-463.	2.3	17
158	Newly characterized distinct phases of the coral disease â€˜atramentous necrosisâ€™ on the Great Barrier Reef. Diseases of Aquatic Organisms, 2008, 81, 255-259.	1.0	17
159	Visualization of coral hostâ€“pathogen interactions using a stable GFP-labeled Vibrio coralliilyticus strain. Coral Reefs, 2015, 34, 655-662.	2.2	16
160	Demographic aspects of the soft coral Sinularia flexibilis leading to local dominance on coral reefs. Hydrobiologia, 2004, 530-531, 433-441.	2.0	13
161	CRISPR-Cas Defense System and Potential Prophages in Cyanobacteria Associated with the Coral Black Band Disease. Frontiers in Microbiology, 2016, 7, 2077.	3.5	13
162	Novel T4 bacteriophages associated with black band disease in corals. Environmental Microbiology, 2019, 21, 1969-1979.	3.8	13

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163	Microsatellite allele sizes alone are insufficient to delineate species boundaries in Symbiodinium. Molecular Ecology, 2016, 25, 2719-2723.	3.9	11
164	Apparent Involvement of a Î²1 Type Integrin in Coral Fertilization. Marine Biotechnology, 2007, 9, 760-765.	2.4	8
165	Experimental evolution of the coral algal endosymbiont, Cladocopium goreaui: lessons learnt across a decade of stress experiments to enhance coral heat tolerance. Restoration Ecology, 2021, 29, e13342.	2.9	8
166	Multiple occupancyâ€“abundance patterns in staghorn coral communities. Diversity and Distributions, 2013, 19, 884-895.	4.1	7
167	Effects of coral restoration on fish communities: snapshots of longâ€term, multiregional responses and implications for practice. Restoration Ecology, 2020, 28, 1158-1171.	2.9	7
168	Modelling environmental drivers of black band disease outbreaks in populations of foliose corals in the genus Montipora. PeerJ, 2017, 5, e3438.	2.0	6
169	Predicting the spatial distribution of allele frequencies for a gene associated with tolerance to eutrophication and high temperature in the reef-building coral, Acropora millepora, on the Great Barrier Reef. Coral Reefs, 2020, 39, 147-158.	2.2	5
170	Energy depletion and opportunistic microbial colonisation in white syndrome lesions from corals across the Indo-Pacific. Scientific Reports, 2020, 10, 19990.	3.3	4
171	Detecting Regional Variation Using Meta-Analysis and Large-Scale Sampling: Latitudinal Patterns in Recruitment. Ecology, 2002, 83, 436.	3.2	2
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