Mark J A Vermeij

List of Publications by Year
in descending order

106	6,057	76196	82410
papers	citations	40 h-index	72 g-index

123	123	123	5946
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Surviving in a Marine Desert: The Sponge Loop Retains Resources Within Coral Reefs. Science, 2013, 342, 108-110.	6.0	656
2	Lytic to temperate switching of viral communities. Nature, 2016, 531, 466-470.	13.7	440
3	New perspectives on ecological mechanisms affecting coral recruitment on reefs. Smithsonian Contributions To the Marine Sciences, 2009, , 437-457.	1.0	278
4	Local genomic adaptation of coral reef-associated microbiomes to gradients of natural variability and anthropogenic stressors. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10227-10232.	3.3	220
5	DENSITY-DEPENDENT SETTLEMENT AND MORTALITY STRUCTURE THE EARLIEST LIFE PHASES OF A CORAL POPULATION. Ecology, 2008, 89, 1994-2004.	1.5	191
6	Connectivity of Caribbean coral populations: complementary insights from empirical and modelled gene flow. Molecular Ecology, 2012, 21, 1143-1157.	2.0	162
7	Coral Larvae Move toward Reef Sounds. PLoS ONE, 2010, 5, e10660.	1.1	161
8	The Effects of Nutrient Enrichment and Herbivore Abundance on the Ability of Turf Algae to Overgrow Coral in the Caribbean. PLoS ONE, 2010, 5, e14312.	1.1	151
9	Stable and sporadic symbiotic communities of coral and algal holobionts. ISME Journal, 2016, 10, 1157-1169.	4.4	149
10	Microbial to reef scale interactions between the reef-building coral Montastraea annularis and benthic algae. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 1655-1664.	1.2	130
11	Survival and settlement success of coral planulae: independent and synergistic effects of macroalgae and microbes. Oecologia, 2009, 159, 325-336.	0.9	125
12	Early life-history dynamics of Caribbean coral species on artificial substratum: the importance of competition, growth and variation in life-history strategy. Coral Reefs, 2006, 25, 59-71.	0.9	119
13	Deep down on a Caribbean reef: lower mesophotic depths harbor a specialized coral-endosymbiont community. Scientific Reports, 2015, 5, 7652.	1.6	116
14	A widespread coral-infecting apicomplexan with chlorophyll biosynthesis genes. Nature, 2019, 568, 103-107.	13.7	102
15	Light-regulated collective contractility in a multicellular choanoflagellate. Science, 2019, 366, 326-334.	6.0	101
16	Natural history of coralâ˜algae competition across a gradient of human activity in the Line Islands. Marine Ecology - Progress Series, 2012, 460, 1-12.	0.9	99
17	Sharing the slope: depth partitioning of agariciid corals and associated Symbiodinium across shallow and mesophotic habitats (2-60Âm) on a Caribbean reef. BMC Evolutionary Biology, 2013, 13, 205.	3.2	94
18	Natural Diet of Coral-Excavating Sponges Consists Mainly of Dissolved Organic Carbon (DOC). PLoS ONE, 2014, 9, e90152.	1.1	93

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19	Pelagic conditions affect larval behavior, survival, and settlement patterns in the Caribbean coral Montastraea faveolata. Marine Ecology - Progress Series, 2006, 310, 119-128.	0.9	92
20	Mass spectral similarity for untargeted metabolomics data analysis of complex mixtures. International Journal of Mass Spectrometry, 2015, 377, 719-727.	0.7	90
21	How are coral populations structured by light? Marine light regimes and the distribution of Madracis. Marine Ecology - Progress Series, 2002, 233, 105-116.	0.9	88
22	Substrate composition and adult distribution determine recruitment patterns in a Caribbean brooding coral. Marine Ecology - Progress Series, 2005, 295, 123-133.	0.9	84
23	New Seeding Approach Reduces Costs and Time to Outplant Sexually Propagated Corals for Reef Restoration. Scientific Reports, 2017, 7, 18076.	1.6	80
24	Morphogenesis of the branching reef coral Madracis mirabilis. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 127-133.	1.2	76
25	Restoration of critically endangered elkhorn coral (Acropora palmata) populations using larvae reared from wild-caught gametes. Global Ecology and Conservation, 2015, 4, 526-537.	1.0	67
26	Large-scale invasion of western Atlantic mesophotic reefs by lionfish potentially undermines culling-based management. Biological Invasions, 2017, 19, 939-954.	1.2	67
27	Black reefs: iron-induced phase shifts on coral reefs. ISME Journal, 2012, 6, 638-649.	4.4	65
28	Nitrogen and phosphorus uptake rates of different species from a coral reef community after a nutrient pulse. Scientific Reports, 2016, 6, 28821.	1.6	64
29	Effectiveness of lionfish removal efforts in the southern Caribbean. Endangered Species Research, 2013, 22, 175-182.	1.2	64
30	Crustose coralline algae can suppress macroalgal growth and recruitment on Hawaiian coral reefs. Marine Ecology - Progress Series, 2011, 422, 1-7.	0.9	63
31	Hurricane-Driven Patterns of Clonality in an Ecosystem Engineer: The Caribbean Coral Montastraea annularis. PLoS ONE, 2013, 8, e53283.	1.1	59
32	Meta-mass shift chemical profiling of metabolomes from coral reefs. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11685-11690.	3.3	57
33	Metabolomics of reef benthic interactions reveals a bioactive lipid involved in coral defence. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160469.	1.2	55
34	Competitive interactions between corals and turf algae depend on coral colony form. PeerJ, 2016, 4, e1984.	0.9	54
35	Janzenâ€Connell effects in a broadcastâ€spawning Caribbean coral: distanceâ€dependent survival of larvae and settlers. Ecology, 2013, 94, 146-160.	1.5	52
36	Biological oxygen demand optode analysis of coral reef-associated microbial communities exposed to algal exudates. PeerJ, 2013, 1, e107.	0.9	49

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37	A multiomic analysis of in situ coralâ€“turf algal interactions. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 13588-13595.	3.3	48
38	Island biogeography of Caribbean coral reef fish. Global Ecology and Biogeography, 2008, 17, 770-777.	2.7	47
39	Juvenile Coral Abundance Has Decreased by More Than 50% in Only Three Decades on a Small Caribbean Island. Diversity, 2011, 3, 296-307.	0.7	45
40	Release from native herbivores facilitates the persistence of invasive marine algae: a biogeographical comparison of the relative contribution of nutrients and herbivory to invasion success. Biological Invasions, 2009, 11, 1463-1474.	1.2	44
41	Effect of light availability on dissolved organic carbon release by Caribbean reef algae and corals. Bulletin of Marine Science, 2014, 90, 875-893.	0.4	42
42	Effect of light and nutrient availability on the release of dissolved organic carbon (DOC) by Caribbean turf algae. Scientific Reports, 2016, 6, 23248.	1.6	42
43	Four-year-old Caribbean <I>Acropora</I> colonies reared from field-collected gametes are sexually mature. Bulletin of Marine Science, 2016, 92, 263-264.	0.4	41
44	Assisted gene flow using cryopreserved sperm in critically endangered coral. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	38
45	Simulation and analysis of flow patterns around the scleractinian coral Madracis mirabilis (Duchassaing and Michelotti). Philosophical Transactions of the Royal Society B: Biological Sciences, 2003, 358, 1551-1557.	1.8	37
46	The reproductive biology of closely related coral species: gametogenesis in Madracis from the southern Caribbean. Coral Reefs, 2004, 23, 206.	0.9	35
47	Evolutionary Diversification of Banded Tube-Dwelling Anemones (Cnidaria; Ceriantharia;) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	1.1	35
48	Validation of a universal set of primers to study animalâ€associated microeukaryotic communities. Environmental Microbiology, 2019, 21, 3855-3861.	1.8	34
49	Large birth size does not reduce negative latent effects of harsh environments across life stages in two coral species. Ecology, 2013, 94, 1966-1976.	1.5	33
50	Can we measure beauty? Computational evaluation of coral reef aesthetics. PeerJ, 2015, 3, e1390.	0.9	31
51	Corals in Healthy Populations Produce More Larvae Per Unit Cover. Conservation Letters, 2018, 11, e12410.	2.8	30
52	Coral reef fish and benthic community structure of Bonaire and CuraÃ§ao, Netherlands Antilles. Caribbean Journal of Science, 2008, 44, 137-144.	0.2	28
53	Diel population and functional synchrony of microbial communities on coral reefs. Nature Communications, 2019, 10, 1691.	5.8	28
54	Variation in planulae release of closely related coral species. Marine Ecology - Progress Series, 2003, 247, 75-84.	0.9	28

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55	New coral reefs-based approaches for the model type selection problem: a novel method to predict a nation's future energy demand. International Journal of Bio-Inspired Computation, 2017, 10, 145.	0.6	27
56	Survival and dispersal of turf algae and macroalgae consumed by herbivorous coral reef fishes. Oecologia, 2013, 171, 417-425.	0.9	26
57	The effects of trophic interactions and spatial competition on algal community composition on Hawaiian coral reefs. Marine Ecology, 2010, 31, 291-299.	0.4	25
58	Host Differentiation and Compartmentalization of Microbial Communities in the Azooxanthellate Cupcorals Tubastrea coccinea and Rhizopsammia goesi in the Caribbean. Frontiers in Marine Science, 2018, 5, .	1.2	25
59	Negative effects of gardening damselfish Stegastes planifrons on coral health depend on predator abundance. Marine Ecology - Progress Series, 2015, 528, 289-296.	0.9	25
60	The reproductive biology and early life ecology of a common Caribbean brain coral, Diploria labyrinthiformis (Scleractinia: Faviinae). Coral Reefs, 2017, 36, 83-94.	0.9	24
61	Alleviating impacts of anthropogenic activities by traditional conservation measures: can a small reef reserve be sustainedly managed?. Biological Conservation, 2005, 121, 243-255.	1.9	23
62	A comparison between coral colonies of the genus Madracis and simulated forms. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 3555-3561.	1.2	23
63	Costs and benefits of maternally inherited algal symbionts in coral larvae. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170852.	1.2	23
64	Implications of 2D versus 3D surveys to measure the abundance and composition of benthic coral reef communities. Coral Reefs, 2021, 40, 1137-1153.	0.9	23
65	Effects of reproductive mode on habitat-related differences in the population structure of eight Caribbean coral species. Marine Ecology - Progress Series, 2007, 351, 91-102.	0.9	23
66	Fast Detection of Nutrient Limitation in Macroalgae and Seagrass with Nutrient-Induced Fluorescence. PLoS ONE, 2013, 8, e68834.	1.1	22
67	Patterns in Fluorescence over a Caribbean Reef Slope: the Coral Genus Madracis. Photosynthetica, 2002, 40, 423-429.	0.9	21
68	Nitrogen fixation rates in algal turf communities of a degraded versus less degraded coral reef. Coral Reefs, 2014, 33, 1003-1015.	0.9	21
69	Reef Fishes of Saba Bank, Netherlands Antilles: Assemblage Structure across a Gradient of Habitat Types. PLoS ONE, 2010, 5, e9207.	1.1	20
70	A novel growth strategy allows Tubastrea coccinea to escape small-scale adverse conditions and start over again. Coral Reefs, 2005, 24, 442-442.	0.9	19
71	Reproductive natural history and successful juvenile propagation of the threatened Caribbean Pillar Coral Dendrogyra cylindrus. BMC Ecology, 2015, 15, 9.	3.0	19
72	Acquisition of obligate mutualist symbionts during the larval stage is not beneficial for a coral host. Molecular Ecology, 2019, 28, 141-155.	2.0	19

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73	Crude oil contamination interrupts settlement of coral larvae after direct exposure ends. Marine Ecology - Progress Series, 2015, 536, 163-173.	0.9	19
74	Biophysical and physiological processes causing oxygen loss from coral reefs. ELife, 2019, 8, .	2.8	19
75	Sequencing at sea: challenges and experiences in Ion Torrent PGM sequencing during the 2013 Southern Line Islands Research Expedition. PeerJ, 2014, 2, e520.	0.9	19
76	Population structure of the hydrocoral Millepora platyphylla in habitats experiencing different flow regimes in Moorea, French Polynesia. PLoS ONE, 2017, 12, e0173513.	1.1	17
77	Local habitat distribution determines the relative frequency and interbreeding potential for two Caribbean coral morphospecies. Evolutionary Ecology, 2007, 21, 27-47.	0.5	15
78	Nutrient enrichment promotes survival and dispersal of drifting fragments in an invasive tropical macroalga. Coral Reefs, 2009, 28, 429-435.	0.9	15
79	Genetic and morphological variation in corallivorous snails (Coralliophila spp.) living on different host corals at CuraÃ§ao, southern Caribbean. Contributions To Zoology, 2017, 86, 111-S9.	0.2	15
80	Biofouling of inlet pipes affects water quality in running seawater aquaria and compromises sponge cell proliferation. PeerJ, 2015, 3, e1430.	0.9	14
81	A review of Computational Intelligence techniques in coral reef-related applications. Ecological Informatics, 2016, 32, 107-123.	2.3	12
82	Host-dependent variation in density of corallivorous snails (Coralliophila spp.) at CuraÃ§ao, southern Caribbean. Marine Biodiversity, 2017, 47, 91-99.	0.3	12
83	The rise of a native sun coral species on southern Caribbean coral reefs. Ecosphere, 2019, 10, e02942.	1.0	12
84	Comparison between Colony Morphology and Molecular Phylogeny in the Caribbean Scleractinian Coral Genus Madracis. PLoS ONE, 2013, 8, e71287.	1.1	11
85	Three-Dimensional Molecular Cartography of the Caribbean Reef-Building Coral Orbicella faveolata. Frontiers in Marine Science, 2021, 8, .	1.2	11
86	Decadal comparison of a diminishing coral community: a study using demographics to advance inferences of community status. PeerJ, 2016, 4, e1643.	0.9	11
87	The coral settlement box: A simple device to produce coral stock from brooded coral larvae entirely in situ. Ecological Engineering, 2019, 132, 115-119.	1.6	10
88	High Prevalence and Endemism of Trypanosomatids on a Small Caribbean Island. Journal of Eukaryotic Microbiology, 2019, 66, 600-607.	0.8	10
89	Release of eggs from tentacles in a Caribbean coral. Coral Reefs, 2010, 29, 411-411.	0.9	9
90	Taxonomy of the Apicomplexan Symbionts of Coral, including Corallicolida ord. nov., Reassignment of the Genus Gemmocystis, and Description of New Species Corallicola aquarius gen. nov. sp. nov. and Anthozoaphila gnarlus gen. nov. sp. nov.. Journal of Eukaryotic Microbiology, 2021, 68, e12852.	0.8	9

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91	High prevalence of dermal parasites among coral reef fishes of CuraÃ§ao. Marine Biodiversity, 2016, 46, 67-74.	0.3	8
92	Floating corallites: a new ecophenotype in scleractinian corals. Coral Reefs, 2009, 28, 987-987.	0.9	7
93	Bonaire and CuraÃ§ao. Coral Reefs of the World, 2019, , 149-162.	0.3	7
94	Space-filling and benthic competition on coral reefs. PeerJ, 2021, 9, e11213.	0.9	7
95	Composite Substrates Reveal Inorganic Material Cues for Coral Larval Settlement. ACS Sustainable Chemistry and Engineering, 2022, 10, 3960-3971.	3.2	7
96	Corals on the move: rambling of Madracis pharensis polyps early after settlement. Coral Reefs, 2002, 21, 262-263.	0.9	6
97	Ecological assessment of the marine ecosystems of Barbuda, West Indies: Using rapid scientific assessment to inform ocean zoning and fisheries management. PLoS ONE, 2018, 13, e0189355.	1.1	6
98	Historical changes (1905-present) in catch size and composition reflect altering fisheries practices on a small Caribbean island. PLoS ONE, 2019, 14, e0217589.	1.1	5
99	Day time spawning of a Caribbean coral. Coral Reefs, 2011, 30, 1147-1147.	0.9	4
100	Nocturnal dissolved organic matter release by turf algae and its role in the microbialization of reefs. Functional Ecology, 2022, 36, 2104-2118.	1.7	4
101	Benthic assemblages are more predictable than fish assemblages at an island scale. Coral Reefs, 2022, 41, 1031-1043.	0.9	3
102	First observation of a nocturnal nudibranch feeding on Caribbean corals. Coral Reefs, 2010, 29, 1047-1047.	0.9	2
103	Zooxanthellae presence acts as a settlement cue for aposymbiotic planulae of the Caribbean CoralMontastraea faveolata. Caribbean Journal of Science, 2013, 47, 31-36.	0.2	2
104	New Coral Reefs-based Approaches for the Model Type Selection Problem: A Novel Method to Predict a Nation's Future Energy Demand. International Journal of Bio-Inspired Computation, 2017, 10, 1.	0.6	2
105	Deep formations (50?80ï¿½m) of the solitary coral Phacelocyanthus flos on southern Caribbean reefs. Coral Reefs, 2003, 22, 107-108.	0.9	1
106	Detection and Analysis of Antibiotic Resistance in Coliform Bacteria in Caribbean Coastal Water. Open Forum Infectious Diseases, 2016, 3, .	0.4	0