Christian R Voolstra

List of Publications by Year in Descending Order

236 papers	10,185 citations	55 h-index	92 g-index
297 ext. papers	14,950 ext. citations	5.9 avg, IF	6.65 L-index

#	Paper	IF	Citations
236	Emergence of distinct syntenic density regimes is associated with early metazoan genomic transitions.. *BMC Genomics*, **2022**, 23, 143	4.5	0
235	Widespread oxyregulation in tropical corals under hypoxia.. *Marine Pollution Bulletin*, **2022**, 179, 113722	6.7	1
234	Naturally occurring fire coral clones demonstrate a genetic and environmental basis of microbiome composition. *Nature Communications*, **2021**, 12, 6402	17.4	2
233	Contrasting microbiome dynamics of putative denitrifying bacteria in two octocoral species exposed to dissolved organic carbon (DOC) and warming. *Applied and Environmental Microbiology*, **2021**, AEM0188621	4.8	2
232	Effects of Ocean Acidification on Resident and Active Microbial Communities of .. *Frontiers in Microbiology*, **2021**, 12, 707674	5.7	1
231	Heat stress reduces the contribution of diazotrophs to coral holobiont nitrogen cycling. *ISME Journal*, **2021**,	11.9	3
230	Hypoxia as a physiological cue and pathological stress for coral larvae. *Molecular Ecology*, **2021**,	5.7	2
229	Flexibility in Red Sea -Symbiodiniaceae associations supports environmental niche adaptation. *Ecology and Evolution*, **2021**, 11, 3393-3406	2.8	0
228	Genetic and spatial organization of the unusual chromosomes of the dinoflagellate Symbiodinium microadriaticum. *Nature Genetics*, **2021**, 53, 618-629	36.3	16
227	Surface Topography, Bacterial Carrying Capacity, and the Prospect of Microbiome Manipulation in the Sea Anemone Coral Model Aiptasia. *Frontiers in Microbiology*, **2021**, 12, 637834	5.7	4
226	Designing a blueprint for coral reef survival. *Biological Conservation*, **2021**, 257, 109107	6.2	23
225	Fast and pervasive transcriptomic resilience and acclimation of extremely heat-tolerant coral holobionts from the northern Red Sea. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	15
224	Nitrogen fixation and denitrification activity differ between coral- and algae-dominated Red Sea reefs. *Scientific Reports*, **2021**, 11, 11820	4.9	4
223	Insights into the Cultured Bacterial Fraction of Corals. *MSystems*, **2021**, 6, e0124920	7.6	11
222	Relative abundance of nitrogen cycling microbes in coral holobionts reflects environmental nitrate availability. *Royal Society Open Science*, **2021**, 8, 201835	3.3	2
221	High plasticity of nitrogen fixation and denitrification of common coral reef substrates in response to nitrate availability. *Marine Pollution Bulletin*, **2021**, 168, 112430	6.7	2
220	A comparative baseline of coral disease in three regions along the Saudi Arabian coast of the central Red Sea. *PLoS ONE*, **2021**, 16, e0246854	3.7	2

219	Nutrient pollution enhances productivity and framework dissolution in algae- but not in coral-dominated reef communities. *Marine Pollution Bulletin*, **2021**, 168, 112444	6.7	3
218	High summer temperatures amplify functional differences between coral- and algae-dominated reef communities. *Ecology*, **2021**, 102, e03226	4.6	9
217	Horizontal acquisition of Symbiodiniaceae in the Anemonia viridis (Cnidaria, Anthozoa) species complex. *Molecular Ecology*, **2021**, 30, 391-405	5.7	
216	Increasing comparability among coral bleaching experiments. *Ecological Applications*, **2021**, 31, e02262	4.9	24
215	Divergent expression of hypoxia response systems under deoxygenation in reef-forming corals aligns with bleaching susceptibility. *Global Change Biology*, **2021**, 27, 312-326	11.4	14
214	Coral Probiotics: Premise, Promise, Prospects. *Annual Review of Animal Biosciences*, **2021**, 9, 265-288	13.7	30
213	Remarkably high and consistent tolerance of a Red Sea coral to acute and chronic thermal stress exposures. *Limnology and Oceanography*, **2021**, 66, 1718-1729	4.8	11
212	Evolutionary Cell Biology (ECB): Lessons, challenges, and opportunities for the integrative study of cell evolution. *Journal of Biosciences*, **2021**, 46, 1	2.3	0
211	Consensus Guidelines for Advancing Coral Holobiont Genome and Specimen Voucher Deposition. *Frontiers in Marine Science*, **2021**, 8,	4.5	8
210	Projecting coral responses to intensifying marine heatwaves under ocean acidification. *Global Change Biology*, **2021**,	11.4	5
209	Contrasting heat stress response patterns of coral holobionts across the Red Sea suggest distinct mechanisms of thermal tolerance. *Molecular Ecology*, **2021**, 30, 4466-4480	5.7	8
208	Coral microbiome manipulation elicits metabolic and genetic restructuring to mitigate heat stress and evade mortality. *Science Advances*, **2021**, 7,	14.3	19
207	Symbiodinium microadriaticum (coral microalgal endosymbiont). *Trends in Genetics*, **2021**, 37, 1044-1045	8.5	0
206	Microbes support enhanced nitrogen requirements of coral holobionts in a high CO environment. *Molecular Ecology*, **2021**, 30, 5888-5899	5.7	3
205	Diel cycle of sea spray aerosol concentration. *Nature Communications*, **2021**, 12, 5476	17.4	2
204	Integrating environmental variability to broaden the research on coral responses to future ocean conditions. *Global Change Biology*, **2021**, 27, 5532-5546	11.4	2
203	Heat stress destabilizes symbiotic nutrient cycling in corals. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	47
202	Low Symbiodiniaceae diversity in a turbid marginal reef environment. *Coral Reefs*, **2020**, 39, 545-553	4.2	10

201	Standardized short-term acute heat stress assays resolve historical differences in coral thermotolerance across microhabitat reef sites. *Global Change Biology*, **2020**, 26, 4328-4343	11.4	40
200	Adapting with Microbial Help: Microbiome Flexibility Facilitates Rapid Responses to Environmental Change. *BioEssays*, **2020**, 42, e2000004	4.1	48
199	Robustness to extinction and plasticity derived from mutualistic bipartite ecological networks. *Scientific Reports*, **2020**, 10, 9783	4.9	6
198	Fine-scale delineation of Symbiodiniaceae genotypes on a previously bleached central Red Sea reef system demonstrates a prevalence of coral host-specific associations. *Coral Reefs*, **2020**, 39, 583-601	4.2	21
197	Coral reef survival under accelerating ocean deoxygenation. *Nature Climate Change*, **2020**, 10, 296-307	21.4	48
196	Science, Diplomacy, and the Red Sea's Unique Coral Reef: It's Time for Action. *Frontiers in Marine Science*, **2020**, 7,	4.5	13
195	Coral Bleaching: A Colorful Struggle for Survival. *Current Biology*, **2020**, 30, R768-R770	6.3	0
194	Simultaneous Measurements of Dinitrogen Fixation and Denitrification Associated With Coral Reef Substrates: Advantages and Limitations of a Combined Acetylene Assay. *Frontiers in Marine Science*, **2020**, 7,	4.5	4
193	High rates of carbon and dinitrogen fixation suggest a critical role of benthic pioneer communities in the energy and nutrient dynamics of coral reefs. *Functional Ecology*, **2020**, 34, 1991-2004	5.6	5
192	Coral microbiome composition along the northern Red Sea suggests high plasticity of bacterial and specificity of endosymbiotic dinoflagellate communities. *Microbiome*, **2020**, 8, 8	16.6	26
191	The coral holobiont highlights the dependence of cnidarian animal hosts on their associated microbes **2020**, 91-118		7
190	In situ eutrophication stimulates dinitrogen fixation, denitrification, and productivity in Red Sea coral reefs. *Marine Ecology - Progress Series*, **2020**, 645, 55-66	2.6	11
189	A Closing Window of Opportunity to Save a Unique Marine Ecosystem. *Frontiers in Marine Science*, **2020**, 7,	4.5	1
188	Corals exhibit distinct patterns of microbial reorganisation to thrive in an extreme inshore environment. *Coral Reefs*, **2020**, 39, 701-716	4.2	18
187	Advanced identification of global bioactivity hotspots via screening of the metabolic fingerprint of entire ecosystems. *Scientific Reports*, **2020**, 10, 1319	4.9	3
186	Tara Pacific Expedition's Atmospheric Measurements of Marine Aerosols across the Atlantic and Pacific Oceans: Overview and Preliminary Results. *Bulletin of the American Meteorological Society*, **2020**, 101, E536-E554	6.1	5
185	Down to the bone: the role of overlooked endolithic microbiomes in reef coral health. *ISME Journal*, **2020**, 14, 325-334	11.9	46
184	Diatom modulation of select bacteria through use of two unique secondary metabolites. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 27445-27455	11.5	30

183	A framework for in situ molecular characterization of coral holobionts using nanopore sequencing. *Scientific Reports*, **2020**, 10, 15893	4.9	2
182	Coral-Associated Viral Assemblages From the Central Red Sea Align With Host Species and Contribute to Holobiont Genetic Diversity. *Frontiers in Microbiology*, **2020**, 11, 572534	5.7	7
181	Corals in the hottest reefs in the world exhibit symbiont fidelity not flexibility. *Molecular Ecology*, **2020**, 29, 899-911	5.7	32
180	Genomic Blueprint of Glycine Betaine Metabolism in Coral Metaorganisms and Their Contribution to Reef Nitrogen Budgets. *IScience*, **2020**, 23, 101120	6.1	8
179	The Genome of the Cauliflower Coral Pocillopora verrucosa. *Genome Biology and Evolution*, **2020**, 12, 1911-1917	3.9	4
178	The World Coral Conservatory (WCC): A Noah's ark for corals to support survival of reef ecosystems. *PLoS Biology*, **2020**, 18, e3000823	9.7	11
177	The many faced symbiotic snakelocks anemone (Anemonia viridis, Anthozoa): host and symbiont genetic differentiation among colour morphs. *Heredity*, **2020**, 124, 351-366	3.6	4
176	A genomic view of the reef-building coral Porites lutea and its microbial symbionts. *Nature Microbiology*, **2019**, 4, 2090-2100	26.6	79
175	The Tara Pacific expedition-A pan-ecosystemic approach of the "-omics" complexity of coral reef holobionts across the Pacific Ocean. *PLoS Biology*, **2019**, 17, e3000483	9.7	17
174	Coral microbiome diversity reflects mass coral bleaching susceptibility during the 2016 El Niño heat wave. *Ecology and Evolution*, **2019**, 9, 938-956	2.8	28
173	Key Questions for Research and Conservation of Mesophotic Coral Ecosystems and Temperate Mesophotic Ecosystems. *Coral Reefs of the World*, **2019**, 989-1003	2.1	11
172	Long-Term Impacts of the 1997–1998 Bleaching Event on the Growth and Resilience of Massive Porites Corals From the Central Red Sea. *Geochemistry, Geophysics, Geosystems*, **2019**, 20, 2936-2954	3.6	12
171	Nutrient stress arrests tentacle growth in the coral model Aiptasia. *Symbiosis*, **2019**, 78, 61-64	3	6
170	Ecophysiology of Reef-Building Corals in the Red Sea. *Coral Reefs of the World*, **2019**, 33-52	2.1	6
169	The Red Sea: Environmental Gradients Shape a Natural Laboratory in a Nascent Ocean. *Coral Reefs of the World*, **2019**, 1-10	2.1	18
168	Symbiodiniaceae Diversity in Red Sea Coral Reefs & Coral Bleaching. *Coral Reefs of the World*, **2019**, 69-89	2.1	4
167	Microbial Communities of Red Sea Coral Reefs. *Coral Reefs of the World*, **2019**, 53-68	2.1	6
166	Nutrient Availability and Metabolism Affect the Stability of Coral-Symbiodiniaceae Symbioses. *Trends in Microbiology*, **2019**, 27, 678-689	12.4	97

165	Resolving structure and function of metaorganisms through a holistic framework combining reductionist and integrative approaches. *Zoology*, **2019**, 133, 81-87	1.7	29
164	SymPortal: A novel analytical framework and platform for coral algal symbiont next-generation sequencing ITS2 profiling. *Molecular Ecology Resources*, **2019**, 19, 1063-1080	8.4	87
163	Environmental latitudinal gradients and host-specificity shape Symbiodiniaceae distribution in Red Sea Porites corals. *Journal of Biogeography*, **2019**, 46, 2323-2335	4.1	22
162	Molecular techniques and their limitations shape our view of the holobiont. *Zoology*, **2019**, 137, 125695	1.7	4
161	Coral bacterial community structure responds to environmental change in a host-specific manner. *Nature Communications*, **2019**, 10, 3092	17.4	74
160	Disentangling the complex microbial community of coral reefs using standardized Autonomous Reef Monitoring Structures (ARMS). *Molecular Ecology*, **2019**, 28, 3496-3507	5.7	16
159	Evidence for a role of protein phosphorylation in the maintenance of the cnidarian-algal symbiosis. *Molecular Ecology*, **2019**, 28, 5373-5386	5.7	5
158	Tissue-Specific Microbiomes of the Red Sea Giant Clam Highlight Differential Abundance of Endozoicomonadaceae. *Frontiers in Microbiology*, **2019**, 10, 2661	5.7	7
157	Ecological specificity of the metagenome in a set of lower termite species supports contribution of the microbiome to adaptation of the host. *Animal Microbiome*, **2019**, 1, 13	4.1	5
156	High levels of floridoside at high salinity link osmoadaptation with bleaching susceptibility in the cnidarian-algal endosymbiosis. *Biology Open*, **2019**, 8,	2.2	9
155	Relative Diazotroph Abundance in Symbiotic Red Sea Corals Decreases With Water Depth. *Frontiers in Marine Science*, **2019**, 6,	4.5	6
154	Denitrification Aligns with N Fixation in Red Sea Corals. *Scientific Reports*, **2019**, 9, 19460	4.9	18
153	Expanding Tara Oceans Protocols for Underway, Ecosystemic Sampling of the Ocean-Atmosphere Interface During Tara Pacific Expedition (2016–2018). *Frontiers in Marine Science*, **2019**, 6,	4.5	18
152	Similar bacterial communities on healthy and injured skin of black tip reef sharks. *Animal Microbiome*, **2019**, 1, 9	4.1	8
151	An in situ approach for measuring biogeochemical fluxes in structurally complex benthic communities. *Methods in Ecology and Evolution*, **2019**, 10, 712-725	7.7	15
150	Coral reefs of the Red Sea – Challenges and potential solutions. *Regional Studies in Marine Science*, **2019**, 25, 100498	1.5	25
149	Carbohydrate composition of mucus from scleractinian corals from the central Red Sea. *Coral Reefs*, **2019**, 38, 21-27	4.2	13
148	Physicochemical Dynamics, Microbial Community Patterns, and Reef Growth in Coral Reefs of the Central Red Sea. *Springer Oceanography*, **2019**, 401-418	0.5	1

147	Metaorganisms in extreme environments: do microbes play a role in organismal adaptation?. *Zoology*, **2018**, 127, 1-19	1.7	94
146	Dominance of bacteria throughout coral bleaching and mortality suggests structural inflexibility of the microbiome. *Ecology and Evolution*, **2018**, 8, 2240-2252	2.8	61
145	Status of coral reefs of Upolu (Independent State of Samoa) in the South West Pacific and recommendations to promote resilience and recovery of coastal ecosystems. *Marine Pollution Bulletin*, **2018**, 129, 392-398	6.7	6
144	Seasonal Stability in the Microbiomes of Temperate Gorgonians and the Red Coral Corallium rubrum Across the Mediterranean Sea. *Microbial Ecology*, **2018**, 75, 274-288	4.4	30
143	Excess labile carbon promotes the expression of virulence factors in coral reef bacterioplankton. *ISME Journal*, **2018**, 12, 59-76	11.9	34
142	Thermal refugia against coral bleaching throughout the northern Red Sea. *Global Change Biology*, **2018**, 24, e474-e484	11.4	107
141	Transcriptional response of the heat shock gene hsp70 aligns with differences in stress susceptibility of shallow-water corals from the Mediterranean Sea. *Marine Environmental Research*, **2018**, 140, 444-454	3.3	8
140	Using Aiptasia as a Model to Study Metabolic Interactions in Cnidarian- Symbioses. *Frontiers in Physiology*, **2018**, 9, 214	4.6	39
139	Identification of a 3-Alkylpyridinium Compound from the Red Sea Sponge with Inhibitory Activity against the West Nile Virus NS3 Protease. *Molecules*, **2018**, 23,	4.8	11
138	Systematic Revision of Symbiodiniaceae Highlights the Antiquity and Diversity of Coral Endosymbionts. *Current Biology*, **2018**, 28, 2570-2580.e6	6.3	699
137	DNA methylation regulates transcriptional homeostasis of algal endosymbiosis in the coral model Aiptasia. *Science Advances*, **2018**, 4, eaat2142	14.3	39
136	Epigenome-associated phenotypic acclimatization to ocean acidification in a reef-building coral. *Science Advances*, **2018**, 4, eaar8028	14.3	74
135	In situ observations of coral bleaching in the central Saudi Arabian Red Sea during the 2015/2016 global coral bleaching event. *PLoS ONE*, **2018**, 13, e0195814	3.7	60
134	First insight into the viral community of the cnidarian model metaorganism Aiptasia using RNA-Seq data. *PeerJ*, **2018**, 6, e4449	3.1	6
133	Ecological and molecular characterization of a coral black band disease outbreak in the Red Sea during a bleaching event. *PeerJ*, **2018**, 6, e5169	3.1	13
132	Evidence for miRNA-mediated modulation of the host transcriptome in cnidarian-dinoflagellate symbiosis. *Molecular Ecology*, **2018**, 27, 403-418	5.7	21
131	Rare symbionts may contribute to the resilience of coral-algal assemblages. *ISME Journal*, **2018**, 12, 161-172	11.9	80
130	An improved primer set and amplification protocol with increased specificity and sensitivity targeting the ITS2 region. *PeerJ*, **2018**, 6, e4816	3.1	36

129	Desert plant bacteria reveal host influence and beneficial plant growth properties. *PLoS ONE*, **2018**, 13, e0208223	3.7	46
128	Worldwide Occurrence and Activity of the Reef-Building Coral Symbiont Symbiodinium in the Open Ocean. *Current Biology*, **2018**, 28, 3625-3633.e3	6.3	29
127	Coral reef carbonate budgets and ecological drivers in the central Red Sea – a naturally high temperature and high total alkalinity environment. *Biogeosciences*, **2018**, 15, 6277-6296	4.6	12
126	genomes reveal adaptive evolution of functions related to coral-dinoflagellate symbiosis. *Communications Biology*, **2018**, 1, 95	6.7	78
125	Endozoicomonas genomes reveal functional adaptation and plasticity in bacterial strains symbiotically associated with diverse marine hosts. *Scientific Reports*, **2017**, 7, 40579	4.9	113
124	Biogeography and molecular diversity of coral symbionts in the genus around the Arabian Peninsula. *Journal of Biogeography*, **2017**, 44, 674-686	4.1	86
123	Bacterial community dynamics are linked to patterns of coral heat tolerance. *Nature Communications*, **2017**, 8, 14213	17.4	262
122	Sugar enrichment provides evidence for a role of nitrogen fixation in coral bleaching. *Global Change Biology*, **2017**, 23, 3838-3848	11.4	76
121	Stable mucus-associated bacterial communities in bleached and healthy corals of Porites lobata from the Arabian Seas. *Scientific Reports*, **2017**, 7, 45362	4.9	43
120	Advancing Genomics through the Global Invertebrate Genomics Alliance (GIGA). *Invertebrate Systematics*, **2017**, 31, 1-7	1.2	16
119	High-resolution phenotypic profiling of natural products-induced effects on the single-cell level. *Scientific Reports*, **2017**, 7, 44472	4.9	12
118	Microbial community composition of deep-sea corals from the Red Sea provides insight into functional adaption to a unique environment. *Scientific Reports*, **2017**, 7, 44714	4.9	27
117	Prevalent and persistent viral infection in cultures of the coral algal endosymbiont Symbiodinium. *Coral Reefs*, **2017**, 36, 773-784	4.2	23
116	Expression of a symbiosis-specific gene in type A1 associated with coral, nudibranch and giant clam larvae. *Royal Society Open Science*, **2017**, 4, 170253	3.3	27
115	Association of coral algal symbionts with a diverse viral community responsive to heat shock. *BMC Microbiology*, **2017**, 17, 174	4.5	15
114	High salinity conveys thermotolerance in the coral model Aiptasia. *Biology Open*, **2017**, 6, 1943-1948	2.2	26
113	Bioactive Potential of Marine Macroalgae from the Central Red Sea (Saudi Arabia) Assessed by High-Throughput Imaging-Based Phenotypic Profiling. *Marine Drugs*, **2017**, 15,	6	11
112	The role of floridoside in osmoadaptation of coral-associated algal endosymbionts to high-salinity conditions. *Science Advances*, **2017**, 3, e1602047	14.3	33

111	Rapid adaptive responses to climate change in corals. *Nature Climate Change*, **2017**, 7, 627-636	21.4	201
110	Transcriptomes and expression profiling of deep-sea corals from the Red Sea provide insight into the biology of azooxanthellate corals. *Scientific Reports*, **2017**, 7, 6442	4.9	13
109	Assessing the effects of iron enrichment across holobiont compartments reveals reduced microbial nitrogen fixation in the Red Sea coral. *Ecology and Evolution*, **2017**, 7, 6614-6621	2.8	8
108	Evidence for coral range expansion accompanied by reduced diversity of Symbiodinium genotypes. *Coral Reefs*, **2017**, 36, 981-985	4.2	21
107	Comparative Assessment of Mediterranean Gorgonian-Associated Microbial Communities Reveals Conserved Core and Locally Variant Bacteria. *Microbial Ecology*, **2017**, 73, 466-478	4.4	44
106	Differential specificity between closely related corals and abundant Endozoicomonas endosymbionts across global scales. *ISME Journal*, **2017**, 11, 186-200	11.9	142
105	Comparative analysis of the genomes of Stylophora pistillata and Acropora digitifera provides evidence for extensive differences between species of corals. *Scientific Reports*, **2017**, 7, 17583	4.9	72
104	A new species of squat lobster of the genus Munida (Galatheoidea, Munididae) from the Red Sea. *Crustaceana*, **2017**, 90, 1005-1014	0.4	1
103	Genome-Based Analyses of Six Hexacorallian Species Reject the "Naked Coral" Hypothesis. *Genome Biology and Evolution*, **2017**, 9, 2626-2634	3.9	6
102	Physical Mechanisms Routing Nutrients in the Central Red Sea. *Journal of Geophysical Research: Oceans*, **2017**, 122, 9032-9046	3.3	10
101	Corrigendum to: Advancing genomics through the Global Invertebrate Genomics Alliance (GIGA). *Invertebrate Systematics*, **2017**, 31, 231	1.2	1
100	Marine Invertebrate Larvae Associated with Symbiodinium: A Mutualism from the Start?. *Frontiers in Ecology and Evolution*, **2017**, 5,	3.7	20
99	Laboratory-Cultured Strains of the Sea Anemone Exaiptasia Reveal Distinct Bacterial Communities. *Frontiers in Marine Science*, **2017**, 4,	4.5	14
98	Distinct Bacterial Microbiomes Associate with the Deep-Sea Coral Eguchipsammia fistula from the Red Sea and from Aquaria Settings. *Frontiers in Marine Science*, **2017**, 4,	4.5	16
97	Stimulated Respiration and Net Photosynthesis in Cassiopeia sp. during Glucose Enrichment Suggests in hospite CO2 Limitation of Algal Endosymbionts. *Frontiers in Marine Science*, **2017**, 4,	4.5	15
96	Nitrogen Fixation Aligns with Abundance and Expression in Two Coral Trophic Functional Groups. *Frontiers in Microbiology*, **2017**, 8, 1187	5.7	33
95	Engineering Strategies to Decode and Enhance the Genomes of Coral Symbionts. *Frontiers in Microbiology*, **2017**, 8, 1220	5.7	30
94	Differential Ecological Specificity of Protist and Bacterial Microbiomes across a Set of Termite Species. *Frontiers in Microbiology*, **2017**, 8, 2518	5.7	17

93	Condition-specific RNA editing in the coral symbiont Symbiodinium microadriaticum. *PLoS Genetics*, **2017**, 13, e1006619	6	36
92	Anti-cancer agents in Saudi Arabian herbals revealed by automated high-content imaging. *PLoS ONE*, **2017**, 12, e0177316	3.7	14
91	First record of crustose coralline algae diseases in the Red Sea. *Bulletin of Marine Science*, **2017**, 93, 985-986	1.3	3
90	Repeated observations of cetaceans and carcharhiniformes associations in the Red Sea. *Marine Biodiversity*, **2016**, 46, 25-26	1.4	3
89	Diversity and function of prevalent symbiotic marine bacteria in the genus Endozoicomonas. *Applied Microbiology and Biotechnology*, **2016**, 100, 8315-24	5.7	144
88	. *IEEE Robotics and Automation Magazine*, **2016**, 23, 20-29	3.4	78
87	Aiptasia sp. larvae as a model to reveal mechanisms of symbiont selection in cnidarians. *Scientific Reports*, **2016**, 6, 32366	4.9	51
86	Spirochaetes dominate the microbial community associated with the red coral Corallium rubrum on a broad geographic scale. *Scientific Reports*, **2016**, 6, 27277	4.9	44
85	Hologenome analysis of two marine sponges with different microbiomes. *BMC Genomics*, **2016**, 17, 158	4.5	40
84	Gene Expression Variation Resolves Species and Individual Strains among Coral-Associated Dinoflagellates within the Genus Symbiodinium. *Genome Biology and Evolution*, **2016**, 8, 665-80	3.9	73
83	Spatial and seasonal reef calcification in corals and calcareous crusts in the central Red Sea. *Coral Reefs*, **2016**, 35, 681-693	4.2	26
82	Coral microbial community dynamics in response to anthropogenic impacts near a major city in the central Red Sea. *Marine Pollution Bulletin*, **2016**, 105, 629-40	6.7	133
81	Year-Long Monitoring of Physico-Chemical and Biological Variables Provide a Comparative Baseline of Coral Reef Functioning in the Central Red Sea. *PLoS ONE*, **2016**, 11, e0163939	3.7	41
80	Comparative genomics explains the evolutionary success of reef-forming corals. *ELife*, **2016**, 5,	8.9	126
79	Reefgenomics.Org - a repository for marine genomics data. *Database: the Journal of Biological Databases and Curation*, **2016**, 2016,	5	69
78	Xestospongia testudinaria nighttime mass spawning observation in Indonesia. *Galaxea*, **2016**, 18, 1-2	0.5	4
77	Distinct Bacterial Communities Associated with the Coral Model Aiptasia in Aposymbiotic and Symbiotic States with Symbiodinium. *Frontiers in Marine Science*, **2016**, 3,	4.5	39
76	Alkaloids from the Sponge Stylissa carteri Present Prospective Scaffolds for the Inhibition of Human Immunodeficiency Virus 1 (HIV-1). *Marine Drugs*, **2016**, 14,	6	20

75	Genomes of coral dinoflagellate symbionts highlight evolutionary adaptations conducive to a symbiotic lifestyle. *Scientific Reports*, **2016**, 6, 39734	4.9	210
74	Ancestral genetic diversity associated with the rapid spread of stress-tolerant coral symbionts in response to Holocene climate change. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 4416-21	11.5	130
73	Long-term salinity tolerance is accompanied by major restructuring of the coral bacterial microbiome. *Molecular Ecology*, **2016**, 25, 1308-23	5.7	80
72	Bicarbonate transporters in corals point towards a key step in the evolution of cnidarian calcification. *Scientific Reports*, **2015**, 5, 9983	4.9	103
71	Nitrogen cycling in corals: the key to understanding holobiont functioning?. *Trends in Microbiology*, **2015**, 23, 490-7	12.4	249
70	The genome of Aiptasia, a sea anemone model for coral symbiosis. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 11893-8	11.5	244
69	Structural molecular components of septate junctions in cnidarians point to the origin of epithelial junctions in eukaryotes. *Molecular Biology and Evolution*, **2015**, 32, 44-62	8.3	55
68	From cholera to corals: Viruses as drivers of virulence in a major coral bacterial pathogen. *Scientific Reports*, **2015**, 5, 17889	4.9	48
67	Microbiome structure of the fungid coral Ctenactis echinata aligns with environmental differences. *Molecular Ecology*, **2015**, 24, 3501-11	5.7	84
66	Extensive phenotypic plasticity of a Red Sea coral over a strong latitudinal temperature gradient suggests limited acclimatization potential to warming. *Scientific Reports*, **2015**, 5, 8940	4.9	54
65	Mesophotic coral depth acclimatization is a function of host-specific symbiont physiology. *Frontiers in Marine Science*, **2015**, 2,	4.5	46
64	Absence of genetic differentiation in the coral Pocillopora verrucosa along environmental gradients of the Saudi Arabian Red Sea. *Frontiers in Marine Science*, **2015**, 2,	4.5	28
63	Metatranscriptome analysis of the reef-building coral Orbicella faveolata indicates holobiont response to coral disease. *Frontiers in Marine Science*, **2015**, 2,	4.5	44
62	Niche acclimatization in Red Sea corals is dependent on flexibility of host-symbiont association. *Marine Ecology - Progress Series*, **2015**, 533, 149-161	2.6	31
61	Captive rearing of the deep-sea coral Eguchipsammia fistula from the Red Sea demonstrates remarkable physiological plasticity. *PeerJ*, **2015**, 3, e734	3.1	9
60	Bacterial profiling of White Plague Disease across corals and oceans indicates a conserved and distinct disease microbiome. *Molecular Ecology*, **2014**, 23, 965-74	5.7	66
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6	Epigenome-associated phenotypic acclimatization to ocean acidification in a reef-building coral		6
5	Symbiodinium genomes reveal adaptive evolution of functions related to symbiosis		2
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