

The *Symbiodinium kawagutii* genome illuminates coral symbiosis

Science

350, 691-694

DOI: [10.1126/science.aad0408](https://doi.org/10.1126/science.aad0408)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Unravelling the functional genetics of dinoflagellates: a review of approaches and opportunities. <i>Perspectives in Phycology</i> , 2016, 3, 37-52.	1.9	42
2	PhnW-PhnX Pathway in Dinoflagellates Not Functional to Utilize Extracellular Phosphonates. <i>Frontiers in Marine Science</i> , 2016, 2, .	1.2	32
3	Effects of Trace Metal Concentrations on the Growth of the Coral Endosymbiont <i>Symbiodinium kawagutii</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 82.	1.5	33
4	Transcriptome Analysis of <i>Scrippsiella trochoidea</i> CCMP 3099 Reveals Physiological Changes Related to Nitrate Depletion. <i>Frontiers in Microbiology</i> , 2016, 7, 639.	1.5	33
5	Symbiosis induces widespread changes in the proteome of the model cnidarian <i>Aiptasia</i> . <i>Cellular Microbiology</i> , 2016, 18, 1009-1023.	1.1	79
6	Microsatellite allele sizes alone are insufficient to delineate species boundaries in <i>Symbiodinium</i> . <i>Molecular Ecology</i> , 2016, 25, 2719-2723.	2.0	11
7	Genomes of coral dinoflagellate symbionts highlight evolutionary adaptations conducive to a symbiotic lifestyle. <i>Scientific Reports</i> , 2016, 6, 39734.	1.6	303
8	Differential antioxidant response between two <i>Symbiodinium</i> species from contrasting environments. <i>Plant, Cell and Environment</i> , 2016, 39, 2713-2724.	2.8	37
9	The effects of <i>Symbiodinium</i> (Pyrrhophyta) identity on growth, survivorship, and thermal tolerance of newly settled coral recruits. <i>Journal of Phycology</i> , 2016, 52, 1114-1124.	1.0	22
10	Phosphorus physiological ecology and molecular mechanisms in marine phytoplankton. <i>Journal of Phycology</i> , 2016, 52, 10-36.	1.0	254
11	Dual compartmental transcriptomic+proteomic analysis of a marine endosymbiosis exposed to environmental change. <i>Molecular Ecology</i> , 2016, 25, 5944-5958.	2.0	34
12	<i>Aiptasia</i> sp. larvae as a model to reveal mechanisms of symbiont selection in cnidarians. <i>Scientific Reports</i> , 2016, 6, 32366.	1.6	85
13	A coral-on-a-chip microfluidic platform enabling live-imaging microscopy of reef-building corals. <i>Nature Communications</i> , 2016, 7, 10860.	5.8	79
14	Functional Relationship between a Dinoflagellate Host and Its Diatom Endosymbiont. <i>Molecular Biology and Evolution</i> , 2016, 33, 2376-2390.	3.5	43
15	Genome-wide analysis of transcription and photosynthesis inhibition in the harmful dinoflagellate <i>Prorocentrum minimum</i> in response to the biocide copper sulfate. <i>Harmful Algae</i> , 2016, 57, 27-38.	2.2	26
16	Gene Expression Variation Resolves Species and Individual Strains among Coral-Associated Dinoflagellates within the Genus <i>Symbiodinium</i> . <i>Genome Biology and Evolution</i> , 2016, 8, 665-680.	1.1	144
17	De novo assembly and characterization of the transcriptome of the newly described dinoflagellate <i>Ansanella granifera</i> : Spotlight on flagellum-associated genes. <i>Marine Genomics</i> , 2017, 33, 47-55.	0.4	8
18	The evolutionary origin of plant and animal microRNAs. <i>Nature Ecology and Evolution</i> , 2017, 1, 27.	3.4	180

#	ARTICLE	IF	CITATIONS
19	Role of Modular Polyketide Synthases in the Production of Polyether Ladder Compounds in <i>Ciguatoin</i> -Producing <i>Gambierdiscus polynesiensis</i> and <i>G. excentricus</i> (Dinophyceae). <i>Journal of Eukaryotic Microbiology</i> , 2017, 64, 691-706.	0.8	31
20	Transcriptome profiling of <i>Galaxea fascicularis</i> and its endosymbiont <i>Symbiodinium</i> reveals chronic eutrophication tolerance pathways and metabolic mutualism between partners. <i>Scientific Reports</i> , 2017, 7, 42100.	1.6	26
21	A molecular physiology basis for functional diversity of hydrogen peroxide production amongst <i>Symbiodinium</i> spp. (Dinophyceae). <i>Marine Biology</i> , 2017, 164, 1.	0.7	57
22	<i>Symbiodinium</i> (Dinophyceae) community patterns in invertebrate hosts from inshore marginal reefs of the southern Great Barrier Reef, Australia. <i>Journal of Phycology</i> , 2017, 53, 589-600.	1.0	7
23	Species boundaries in the absence of morphological, ecological or geographical differentiation in the Red Sea octocoral genus <i>Ovabunda</i> (Alcyonacea: Xeniidae). <i>Molecular Phylogenetics and Evolution</i> , 2017, 112, 174-184.	1.2	53
24	Similar Ratios of Introns to Intergenic Sequence across Animal Genomes. <i>Genome Biology and Evolution</i> , 2017, 9, 1582-1598.	1.1	48
25	The Vulnerability and Resilience of Reef-Building Corals. <i>Current Biology</i> , 2017, 27, R528-R540.	1.8	156
26	Transcriptomic and microRNAomic profiling reveals multi-faceted mechanisms to cope with phosphate stress in a dinoflagellate. <i>ISME Journal</i> , 2017, 11, 2209-2218.	4.4	88
27	Cross-kingdom RNA trafficking and environmental RNAi for powerful innovative pre- and post-harvest plant protection. <i>Current Opinion in Plant Biology</i> , 2017, 38, 133-141.	3.5	108
28	Suppression of NF- κ B signal pathway by NLRC3-like protein in stony coral <i>Acropora aculeus</i> under heat stress. <i>Fish and Shellfish Immunology</i> , 2017, 67, 322-330.	1.6	15
29	A microRNA regulates the response of corals to thermal stress. <i>Molecular Ecology</i> , 2017, 26, 3472-3483.	2.0	31
30	Molecular pathology of skeletal growth anomalies in the brain coral <i>Platygyra carnosa</i> : A meta-transcriptomic analysis. <i>Marine Pollution Bulletin</i> , 2017, 124, 660-667.	2.3	17
31	Microbial arms race: Ballistic <i>œnematocysts</i> in dinoflagellates represent a new extreme in organelle complexity. <i>Science Advances</i> , 2017, 3, e1602552.	4.7	36
32	Conceptual and methodological advances for holobiont research. <i>Environmental Microbiology Reports</i> , 2017, 9, 30-32.	1.0	2
33	Light enhanced the accumulation of total fatty acids (TFA) and docosahexaenoic acid (DHA) in a newly isolated heterotrophic microalga <i>Cryptothecodinium</i> sp. SUN. <i>Bioresource Technology</i> , 2017, 228, 227-234.	4.8	26
34	Major transitions in dinoflagellate evolution unveiled by phylotranscriptomics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E171-E180.	3.3	201
35	The value of new genome references. <i>Experimental Cell Research</i> , 2017, 358, 433-438.	1.2	19
36	Marine Microalgae: Systems Biology from <i>œOmics</i> . , 2017, , 207-221.		1

#	ARTICLE	IF	CITATIONS
37	Expression of a symbiosis-specific gene in <i>Symbiodinium</i> type A1 associated with coral, nudibranch and giant clam larvae. <i>Royal Society Open Science</i> , 2017, 4, 170253.	1.1	31
38	The role of floridoside in osmoadaptation of coral-associated algal endosymbionts to high-salinity conditions. <i>Science Advances</i> , 2017, 3, e1602047.	4.7	52
39	Comparative Genomics Reveals Two Major Bouts of Gene Retroposition Coinciding with Crucial Periods of <i>Symbiodinium</i> Evolution. <i>Genome Biology and Evolution</i> , 2017, 9, 2037-2047.	1.1	33
40	Novel transcriptome resources for three scleractinian coral species from the Indo-Pacific. <i>GigaScience</i> , 2017, 6, 1-4.	3.3	29
41	Transcriptomic and physiological analyses of the dinoflagellate <i>Karenia mikimotoi</i> reveal non-alkaline phosphatase-based molecular machinery of ATP utilisation. <i>Environmental Microbiology</i> , 2017, 19, 4506-4518.	1.8	56
42	Biotic interactions as drivers of algal origin and evolution. <i>New Phytologist</i> , 2017, 216, 670-681.	3.5	25
43	Generation of clade- and symbiont-specific antibodies to characterize marker molecules during Cnidaria- <i>Symbiodinium</i> endosymbiosis. <i>Scientific Reports</i> , 2017, 7, 5488.	1.6	4
44	A genomic glance through the fog of plasticity and diversification in <i>Pocillopora</i> . <i>Scientific Reports</i> , 2017, 7, 5991.	1.6	87
45	Genetic and epigenetic insight into morphospecies in a reef coral. <i>Molecular Ecology</i> , 2017, 26, 5031-5042.	2.0	32
46	Plastid Complexity in Dinoflagellates: A Picture of Gains, Losses, Replacements and Revisions. <i>Advances in Botanical Research</i> , 2017, , 105-143.	0.5	34
47	Signatures of adaptation and symbiosis in genomes and transcriptomes of <i>Symbiodinium</i> . <i>Scientific Reports</i> , 2017, 7, 15021.	1.6	35
48	Probing the evolution, ecology and physiology of marine protists using transcriptomics. <i>Nature Reviews Microbiology</i> , 2017, 15, 6-20.	13.6	176
49	Characterization of glutathione peroxidase diversity in the symbiotic sea anemone <i>Anemonia viridis</i> . <i>Biochimie</i> , 2017, 132, 94-101.	1.3	11
50	Citadel-Building. , 2017, , 377-442.		1
51	Rapid Evolution of microRNA Loci in the Brown Algae. <i>Genome Biology and Evolution</i> , 2017, 9, 740-749.	1.1	22
52	Transcriptomic Analysis of Thermally Stressed <i>Symbiodinium</i> Reveals Differential Expression of Stress and Metabolism Genes. <i>Frontiers in Plant Science</i> , 2017, 8, 271.	1.7	94
53	Transcriptome analysis illuminates the nature of the intracellular interaction in a vertebrate-algal symbiosis. <i>ELife</i> , 2017, 6, .	2.8	44
54	Marine Invertebrate Larvae Associated with <i>Symbiodinium</i> : A Mutualism from the Start?. <i>Frontiers in Ecology and Evolution</i> , 2017, 5, .	1.1	32

#	ARTICLE	IF	CITATIONS
55	Broadcast Spawning Coral <i>Mussismilia hispida</i> Can Vertically Transfer its Associated Bacterial Core. <i>Frontiers in Microbiology</i> , 2017, 8, 176.	1.5	81
56	Distinct Bacterial Communities Associated with Massive and Branching Scleractinian Corals and Potential Linkages to Coral Susceptibility to Thermal or Cold Stress. <i>Frontiers in Microbiology</i> , 2017, 8, 979.	1.5	72
57	Cell Cycle-Dependent Expression Dynamics of G1/S Specific Cyclin, Cellulose Synthase and Cellulase in the Dinoflagellate <i>Prorocentrum donghaiense</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 1118.	1.5	22
58	Engineering Strategies to Decode and Enhance the Genomes of Coral Symbionts. <i>Frontiers in Microbiology</i> , 2017, 8, 1220.	1.5	42
59	Transcriptomic Analyses of <i>Scrippsiella trochoidea</i> Reveals Processes Regulating Encystment and Dormancy in the Life Cycle of a Dinoflagellate, with a Particular Attention to the Role of Abscisic Acid. <i>Frontiers in Microbiology</i> , 2017, 8, 2450.	1.5	35
60	Temperature-Driven Local Acclimatization of Symbiodinium Hosted by the Coral <i>Galaxea fascicularis</i> at Hainan Island, China. <i>Frontiers in Microbiology</i> , 2017, 8, 2487.	1.5	27
61	Whole Transcriptomic Analysis Provides Insights into Molecular Mechanisms for Toxin Biosynthesis in a Toxic Dinoflagellate <i>Alexandrium catenella</i> (ACHK-T). <i>Toxins</i> , 2017, 9, 213.	1.5	33
62	Utilization of urea and expression profiles of related genes in the dinoflagellate <i>Prorocentrum donghaiense</i> . <i>PLoS ONE</i> , 2017, 12, e0187837.	1.1	24
63	Transcriptome Analysis of Core Dinoflagellates Reveals a Universal Bias towards ϵ -Rich Codons. <i>Marine Drugs</i> , 2017, 15, 125.	2.2	7
64	Isolation of uracil auxotroph mutants of coral symbiont alga for symbiosis studies. <i>Scientific Reports</i> , 2018, 8, 3237.	1.6	5
65	ChIP-ping the branches of the tree: functional genomics and the evolution of eukaryotic gene regulation. <i>Briefings in Functional Genomics</i> , 2018, 17, 116-137.	1.3	5
66	Circadian and irradiance effects on expression of antenna protein genes and pigment contents in dinoflagellate <i>Prorocentrum donghaiense</i> (Dinophyceae). <i>Harmful Algae</i> , 2018, 75, 27-34.	2.2	5
67	Coral bleaching is linked to the capacity of the animal host to supply essential metals to the symbionts. <i>Global Change Biology</i> , 2018, 24, 3145-3157.	4.2	54
68	Analysis of the genomic basis of functional diversity in dinoflagellates using a transcriptome-based sequence similarity network. <i>Molecular Ecology</i> , 2018, 27, 2365-2380.	2.0	12
69	Recurrent acquisition of cytosine methyltransferases into eukaryotic retrotransposons. <i>Nature Communications</i> , 2018, 9, 1341.	5.8	42
70	Plastid Genomes in the Myzozoa. <i>Advances in Botanical Research</i> , 2018, 85, 55-94.	0.5	4
71	Glucose-Induced Trophic Shift in an Endosymbiont Dinoflagellate with Physiological and Molecular Consequences. <i>Plant Physiology</i> , 2018, 176, 1793-1807.	2.3	32
72	H _v 1 Proton Channels in Dinoflagellates: Not Just for Bioluminescence?. <i>Journal of Eukaryotic Microbiology</i> , 2018, 65, 928-933.	0.8	9

#	ARTICLE	IF	CITATIONS
73	Plastid Transcript Editing across Dinoflagellate Lineages Shows Lineage-Specific Application but Conserved Trends. <i>Genome Biology and Evolution</i> , 2018, 10, 1019-1038.	1.1	22
74	Host-targeted RAD-Seq reveals genetic changes in the coral <i>Oculina patagonica</i> associated with range expansion along the Spanish Mediterranean coast. <i>Molecular Ecology</i> , 2018, 27, 2529-2543.	2.0	26
75	Did some red alga-derived plastids evolve via kleptoplastidy? A hypothesis. <i>Biological Reviews</i> , 2018, 93, 201-222.	4.7	29
76	Genetic transformation of cell-walled plant and algae cells: delivering DNA through the cell wall. <i>Briefings in Functional Genomics</i> , 2018, 17, 26-33.	1.3	28
77	Exploring the Untapped Biosynthetic Potential of Apicomplexan Parasites. <i>Biochemistry</i> , 2018, 57, 365-375.	1.2	8
78	A proteomic portrait of dinoflagellate chromatin reveals abundant RNA-binding proteins. <i>Chromosoma</i> , 2018, 127, 29-43.	1.0	13
79	Transcriptome sequencing and characterization of <i>Symbiodinium muscatinei</i> and <i>Elliptochloris marina</i> , symbionts found within the aggregating sea anemone <i>Anthopleura elegantissima</i> . <i>Marine Genomics</i> , 2018, 37, 82-91.	0.4	4
80	Population connectivity of the plating coral <i>Agaricia lamarcki</i> from southwest Puerto Rico. <i>Coral Reefs</i> , 2018, 37, 183-191.	0.9	23
81	Evidence for miRNA-mediated modulation of the host transcriptome in cnidarian-dinoflagellate symbiosis. <i>Molecular Ecology</i> , 2018, 27, 403-418.	2.0	35
82	Phylogenetic characterization of transporter proteins in the cnidarian-dinoflagellate symbiosis. <i>Molecular Phylogenetics and Evolution</i> , 2018, 120, 307-320.	1.2	30
83	Distinctive Nuclear Features of Dinoflagellates with A Particular Focus on Histone and Histone-Replacement Proteins. <i>Microorganisms</i> , 2018, 6, 128.	1.6	15
84	Core genes in diverse dinoflagellate lineages include a wealth of conserved dark genes with unknown functions. <i>Scientific Reports</i> , 2018, 8, 17175.	1.6	41
85	Transcriptomic changes with increasing algal symbiont reveal the detailed process underlying establishment of coral-algal symbiosis. <i>Scientific Reports</i> , 2018, 8, 16802.	1.6	46
86	Evidence for mitigation of coral bleaching by manganese. <i>Scientific Reports</i> , 2018, 8, 16789.	1.6	24
87	Worldwide Occurrence and Activity of the Reef-Building Coral Symbiont <i>Symbiodinium</i> in the Open Ocean. <i>Current Biology</i> , 2018, 28, 3625-3633.e3.	1.8	52
88	Coral epigenetic responses to nutrient stress: Histone H2A.X phosphorylation dynamics and DNA methylation in the staghorn coral <i>Acropora cervicornis</i> . <i>Ecology and Evolution</i> , 2018, 8, 12193-12207.	0.8	44
89	Isolation of an algicidal bacterium and its effects against the harmful-algal-bloom dinoflagellate <i>Prorocentrum donghaiense</i> (Dinophyceae). <i>Harmful Algae</i> , 2018, 80, 72-79.	2.2	52
90	A novel FISH technique for labeling the chromosomes of dinoflagellates in suspension. <i>PLoS ONE</i> , 2018, 13, e0204382.	1.1	4

#	ARTICLE	IF	CITATIONS
91	Comparative genomics reveals the distinct evolutionary trajectories of the robust and complex coral lineages. <i>Genome Biology</i> , 2018, 19, 175.	3.8	57
92	De novo transcriptome assembly of the coral <i>Agaricia lamarcki</i> (Lamarck's sheet coral) from mesophotic depth in southwest Puerto Rico. <i>Marine Genomics</i> , 2018, 41, 6-11.	0.4	22
93	Revisiting "Genetic Diversity of Symbiotic Dinoflagellates in the Genus <i>Symbiodinium</i> ". <i>Protist</i> , 2018, 169, 784-787.	0.6	2
94	<i>Symbiodinium</i> genomes reveal adaptive evolution of functions related to coral-dinoflagellate symbiosis. <i>Communications Biology</i> , 2018, 1, 95.	2.0	154
95	Identification and Expression Analysis of an Atypical Alkaline Phosphatase in <i>Emiliana huxleyi</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 2156.	1.5	16
96	Intra-genomic variation in <i>Symbiodinium</i> correlates negatively with photosynthetic efficiency and coral host performance. <i>Coral Reefs</i> , 2018, 37, 691-701.	0.9	6
97	Transcriptome analysis of the reef-building octocoral, <i>Heliopora coerulea</i> . <i>Scientific Reports</i> , 2018, 8, 8397.	1.6	18
98	Why Do Corals Bleach? Conflict and Conflict Mediation in a Host/Symbiont Community. <i>BioEssays</i> , 2018, 40, e1800021.	1.2	20
99	A transposable element annotation pipeline and expression analysis reveal potentially active elements in the microalga <i>Tisochrysis lutea</i> . <i>BMC Genomics</i> , 2018, 19, 378.	1.2	45
100	Dinoflagellates, a Unique Lineage for Retrogene Research. <i>Frontiers in Microbiology</i> , 2018, 9, 1556.	1.5	13
101	Two divergent <i>Symbiodinium</i> genomes reveal conservation of a gene cluster for sunscreen biosynthesis and recently lost genes. <i>BMC Genomics</i> , 2018, 19, 458.	1.2	114
102	Using Seawater to Document Coral-Zooxanthella Diversity: A New Approach to Coral Reef Monitoring Using Environmental DNA. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	23
103	Development of a Novel Reference Transcriptome for Scleractinian Coral <i>Porites lutea</i> Using Single-Molecule Long-Read Isoform Sequencing (Iso-Seq). <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	7
104	<i>Symbiodinium</i> Functional Diversity in the Coral <i>Siderastrea siderea</i> Is Influenced by Thermal Stress and Reef Environment, but Not Ocean Acidification. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	71
105	MiR-93-5p Promotes Cell Proliferation through Down-Regulating PPARGC1A in Hepatocellular Carcinoma Cells by Bioinformatics Analysis and Experimental Verification. <i>Genes</i> , 2018, 9, 51.	1.0	31
106	Cell Biology of Coral Bleaching. <i>Ecological Studies</i> , 2018, , 189-211.	0.4	73
107	Current Knowledge and Recent Advances in Marine Dinoflagellate Transcriptomic Research. <i>Journal of Marine Science and Engineering</i> , 2018, 6, 13.	1.2	12
108	Translation and Translational Control in Dinoflagellates. <i>Microorganisms</i> , 2018, 6, 30.	1.6	26

#	ARTICLE	IF	CITATIONS
109	RNA-Seq as an Emerging Tool for Marine Dinoflagellate Transcriptome Analysis: Process and Challenges. <i>Processes</i> , 2018, 6, 5.	1.3	36
110	Bleaching Resistance and the Role of Algal Endosymbionts. <i>Ecological Studies</i> , 2018, , 111-151.	0.4	34
111	Coral Bleaching. <i>Ecological Studies</i> , 2018, , .	0.4	20
112	Acute microplastic exposure raises stress response and suppresses detoxification and immune capacities in the scleractinian coral <i>Pocillopora damicornis</i> . <i>Environmental Pollution</i> , 2018, 243, 66-74.	3.7	195
113	Systematic Revision of Symbiodiniaceae Highlights the Antiquity and Diversity of Coral Endosymbionts. <i>Current Biology</i> , 2018, 28, 2570-2580.e6.	1.8	1,242
114	DNA methylation regulates transcriptional homeostasis of algal endosymbiosis in the coral model <i>Aiptasia</i> . <i>Science Advances</i> , 2018, 4, eaat2142.	4.7	77
115	Elucidating the Small Regulatory RNA Repertoire of the Sea Anemone <i>Anemonia viridis</i> Based on Whole Genome and Small RNA Sequencing. <i>Genome Biology and Evolution</i> , 2018, 10, 410-426.	1.1	12
116	Environmental Epigenomics and Its Applications in Marine Organisms. <i>Population Genomics</i> , 2018, , 325-359.	0.2	17
117	Holobiont transcriptome of colonial scleractinian coral <i>Alveopora japonica</i> . <i>Marine Genomics</i> , 2019, 43, 68-71.	0.4	7
118	Molecular Features and mRNA Expression of the Receptor for Activated C Kinase 1 from <i>Symbiodinium microadriaticum</i> ssp. <i>microadriaticum</i> During Growth and the Light/Dark cycle. <i>Journal of Eukaryotic Microbiology</i> , 2019, 66, 254-266.	0.8	2
119	Phylogenetic, genomic, and biogeographic characterization of a novel and ubiquitous marine invertebrate-associated Rickettsiales parasite, <i>Candidatus Aquarickettsia rohweri</i> , gen. nov., sp. nov. <i>ISME Journal</i> , 2019, 13, 2938-2953.	4.4	82
120	Rare coral under the genomic microscope: timing and relationships among Hawaiian <i>Montipora</i> . <i>BMC Evolutionary Biology</i> , 2019, 19, 153.	3.2	16
121	Assessing Transcriptional Responses to Light by the Dinoflagellate <i>Symbiodinium</i> . <i>Microorganisms</i> , 2019, 7, 261.	1.6	7
122	Transcriptome sequencing of a toxic dinoflagellate, <i>Karenia mikimotoi</i> subjected to stress from solar ultraviolet radiation. <i>Harmful Algae</i> , 2019, 88, 101640.	2.2	15
123	Estimation of 18S Gene Copy Number in Marine Eukaryotic Plankton Using a Next-Generation Sequencing Approach. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	121
124	Editorial: Cancer Ecosystems. <i>Frontiers in Oncology</i> , 2019, 9, 718.	1.3	10
125	Transcriptomic response to changing ambient phosphorus in the marine dinoflagellate <i>Prorocentrum donghaiense</i> . <i>Science of the Total Environment</i> , 2019, 692, 1037-1047.	3.9	36
126	The Genetic Basis of Toxin Biosynthesis in Dinoflagellates. <i>Microorganisms</i> , 2019, 7, 222.	1.6	47

#	ARTICLE	IF	CITATIONS
127	Detection, characterization and expression dynamics of histone proteins in the dinoflagellate <i>Alexandrium pacificum</i> during growth regulation. <i>Harmful Algae</i> , 2019, 87, 101630.	2.2	6
128	Unique quantitative Symbiodiniaceae signature of coral colonies revealed through spatio-temporal survey in Moorea. <i>Scientific Reports</i> , 2019, 9, 7921.	1.6	32
129	<i>Scrippsiella acuminata</i> versus <i>Scrippsiella ramonii</i> : A Physiological Comparison. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019, 95, 985-996.	1.1	3
130	An "omic" approach to <i>Pyrocystis lunula</i> : New insights related with this bioluminescent dinoflagellate. <i>Journal of Proteomics</i> , 2019, 209, 103502.	1.2	11
131	Utilization of different dissolved organic phosphorus sources by <i>Symbiodinium voratum</i> in vitro. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	1.3	4
132	Short Term Exposure to Heat and Sediment Triggers Changes in Coral Gene Expression and Photo-Physiological Performance. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	20
133	Trophic plasticity in a common reef-building coral: Insights from $\delta^{13}C$ analysis of essential amino acids. <i>Functional Ecology</i> , 2019, 33, 2203-2214.	1.7	55
134	Simulating Bleaching: Long-Term Adaptation to the Dark Reveals Phenotypic Plasticity of the Mediterranean Sea Coral <i>Oculina patagonica</i> . <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	11
135	Omics Analysis for Dinoflagellates Biology Research. <i>Microorganisms</i> , 2019, 7, 288.	1.6	16
136	A genomic view of the reef-building coral <i>Porites lutea</i> and its microbial symbionts. <i>Nature Microbiology</i> , 2019, 4, 2090-2100.	5.9	160
137	Breaking up is hard to do: the complexity of the dinoflagellate chloroplast genome. <i>Perspectives in Phycology</i> , 2019, 6, 31-37.	1.9	16
138	Architectural Organization of Dinoflagellate Liquid Crystalline Chromosomes. <i>Microorganisms</i> , 2019, 7, 27.	1.6	22
139	RNA isolation from taxonomically diverse photosynthetic protists. <i>Limnology and Oceanography: Methods</i> , 2019, 17, 190-199.	1.0	2
140	Initial evidence of functional siRNA machinery in dinoflagellates. <i>Harmful Algae</i> , 2019, 81, 53-58.	2.2	9
141	Fugacium Spliced Leader Genes Identified from Stranded RNA-Seq Datasets. <i>Microorganisms</i> , 2019, 7, 171.	1.6	3
142	A next generation approach to species delimitation reveals the role of hybridization in a cryptic species complex of corals. <i>BMC Evolutionary Biology</i> , 2019, 19, 116.	3.2	75
143	Metabolite profiling of <i>Breviolum minutum</i> in response to acidification. <i>Aquatic Toxicology</i> , 2019, 213, 105215.	1.9	14
144	Integrative Omics Approach for the Community Function Evaluation of Sponge and Coral Microbiomes. , 2019, , 171-179.		0

#	ARTICLE	IF	CITATIONS
145	Ecophysiology of Reef-Building Corals in the Red Sea. <i>Coral Reefs of the World</i> , 2019, , 33-52.	0.3	8
146	Symbiodiniaceae Diversity in Red Sea Coral Reefs & Coral Bleaching. <i>Coral Reefs of the World</i> , 2019, , 69-89.	0.3	6
147	Genome Evolution of Coral Reef Symbionts as Intracellular Residents. <i>Trends in Ecology and Evolution</i> , 2019, 34, 799-806.	4.2	41
148	Marine Natural Products from Microalgae: An -Omics Overview. <i>Marine Drugs</i> , 2019, 17, 269.	2.2	69
149	De novo transcriptome assembly of the digitate morphotype of <i>Briareum asbestinum</i> (Octocorallia: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	8.4	17
150	Nutrient Availability and Metabolism Affect the Stability of Coralâ€™Symbiodiniaceae Symbioses. <i>Trends in Microbiology</i> , 2019, 27, 678-689.	3.5	182
151	An aerobic eukaryotic parasite with functional mitochondria that likely lacks a mitochondrial genome. <i>Science Advances</i> , 2019, 5, eaav1110.	4.7	76
152	Diversified secondary metabolite biosynthesis gene repertoire revealed in symbiotic dinoflagellates. <i>Scientific Reports</i> , 2019, 9, 1204.	1.6	21
153	Recent progress on signalling molecules of coral-associated microorganisms. <i>Science China Earth Sciences</i> , 2019, 62, 609-618.	2.3	6
154	Comparative and Functional Algal Genomics. <i>Annual Review of Plant Biology</i> , 2019, 70, 605-638.	8.6	76
155	Metatranscriptomic Signatures Associated With Phytoplankton Regime Shift From Diatom Dominance to a Dinoflagellate Bloom. <i>Frontiers in Microbiology</i> , 2019, 10, 590.	1.5	61
156	Too Many False Targets for MicroRNAs: Challenges and Pitfalls in Prediction of miRNA Targets and Their Gene Ontology in Model and Nonâ€™model Organisms. <i>BioEssays</i> , 2019, 41, e1800169.	1.2	56
157	The genetic intractability of <i>Symbiodinium microadriaticum</i> to standard algal transformation methods. <i>PLoS ONE</i> , 2019, 14, e0211936.	1.1	17
158	Transcriptomic Responses to Thermal Stress and Varied Phosphorus Conditions in <i>Fugacium kawagutii</i> . <i>Microorganisms</i> , 2019, 7, 96.	1.6	30
159	Loss of top-down biotic interactions changes the relative benefits for obligate mutualists. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20182501.	1.2	13
160	Chromosomal markers in the genus <i>Karenia</i> : Towards an understanding of the evolution of the chromosomes, life cycle patterns and phylogenetic relationships in dinoflagellates. <i>Scientific Reports</i> , 2019, 9, 3072.	1.6	12
161	Whatâ€™s in a name? How organelles of endosymbiotic origin can be distinguished from endosymbionts. <i>Microbial Cell</i> , 2019, 6, 123-133.	1.4	8
163	Unraveling the molecular mechanism of the response to changing ambient phosphorus in the dinoflagellate <i>Alexandrium catenella</i> with quantitative proteomics. <i>Journal of Proteomics</i> , 2019, 196, 141-149.	1.2	14

#	ARTICLE	IF	CITATIONS
164	Genome size-dependent pcna gene copy number in dinoflagellates and molecular evidence of retroposition as a major evolutionary mechanism. <i>Journal of Phycology</i> , 2019, 55, 37-46.	1.0	15
165	Genome and Transcriptome Sequencing of the Astaxanthin-Producing Green Microalga, <i>Haematococcus pluvialis</i> . <i>Genome Biology and Evolution</i> , 2019, 11, 166-173.	1.1	52
166	Comparative metatranscriptomic profiling and microRNA sequencing to reveal active metabolic pathways associated with a dinoflagellate bloom. <i>Science of the Total Environment</i> , 2020, 699, 134323.	3.9	35
167	Illuminating the dark depths inside coral. <i>Cellular Microbiology</i> , 2020, 22, e13122.	1.1	7
168	Evidence That Inconsistent Gene Prediction Can Mislead Analysis of Dinoflagellate Genomes. <i>Journal of Phycology</i> , 2020, 56, 6-10.	1.0	37
169	Contrasting patterns of genetic connectivity in brooding and spawning corals across a remote atoll system in northwest Australia. <i>Coral Reefs</i> , 2020, 39, 55-60.	0.9	20
170	Label-free MS/MS analyses of the dinoflagellate <i>Lingulodinium</i> identifies rhythmic proteins facilitating adaptation to a diurnal LD cycle. <i>Science of the Total Environment</i> , 2020, 704, 135430.	3.9	6
171	RNA-seq profiling of <i>Fugacium kawagutii</i> reveals strong responses in metabolic processes and symbiosis potential to deficiencies of iron and other trace metals. <i>Science of the Total Environment</i> , 2020, 705, 135767.	3.9	24
172	The eukaryome: Diversity and role of microeukaryotic organisms associated with animal hosts. <i>Functional Ecology</i> , 2020, 34, 2045-2054.	1.7	34
173	The 5S rRNA genes in <i>Alexandrium</i> : their use as a FISH chromosomal marker in studies of the diversity, cell cycle and sexuality of dinoflagellates. <i>Harmful Algae</i> , 2020, 98, 101903.	2.2	8
174	Horizontal Gene Transfer in Eukaryotes: Not if, but How Much?. <i>Trends in Genetics</i> , 2020, 36, 915-925.	2.9	83
175	Inorganic carbon concentrating mechanisms in free-living and symbiotic dinoflagellates and chromerids. <i>Journal of Phycology</i> , 2020, 56, 1377-1397.	1.0	13
176	Biocompatible Self-Healing Coating Based on Schiff Base for Promoting Adhesion of Coral Cells. <i>ACS Applied Bio Materials</i> , 2020, 3, 1481-1495.	2.3	17
177	Coral evolutionary responses to microbial symbioses. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190591.	1.8	36
178	Single symbiotic cell transcriptome sequencing of coral. <i>Genomics</i> , 2020, 112, 5305-5312.	1.3	5
179	Methylation Pattern and Expression Dynamics of Methylase and Photosystem Genes Under varying light Intensities in <i>Fugacium kawagutii</i> (Symbiodiniaceae). <i>Journal of Phycology</i> , 2020, 56, 1738-1747.	1.0	9
180	Dual RNA-seq analyses of a coral and its native symbiont during the establishment of symbiosis. <i>Molecular Ecology</i> , 2020, 29, 3921-3937.	2.0	26
181	Global gene expression patterns in <i>Porites</i> white patch syndrome: Disentangling symbiont loss from the thermal stress response in reef-building coral. <i>Molecular Ecology</i> , 2020, 29, 3907-3920.	2.0	7

#	ARTICLE	IF	CITATIONS
182	Identification of bacteria-derived urease in the coral gastric cavity. <i>Science China Earth Sciences</i> , 2020, 63, 1553-1563.	2.3	10
183	Integrated omics unveil the secondary metabolic landscape of a basal dinoflagellate. <i>BMC Biology</i> , 2020, 18, 139.	1.7	17
184	Nutrient and sediment loading affect multiple facets of coral functionality in a tropical branching coral. <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	10
185	Heat-evolved microalgal symbionts increase coral bleaching tolerance. <i>Science Advances</i> , 2020, 6, eaba2498.	4.7	129
186	Correlation between Organelle Genetic Variation and RNA Editing in Dinoflagellates Associated with the Coral <i>Acropora digitifera</i> . <i>Genome Biology and Evolution</i> , 2020, 12, 203-209.	1.1	3
187	Comparative transcriptome analysis revealing the mechanisms underlying light-induced total fatty acid and carotenoid accumulation in <i>Cryptothecodinium</i> sp. SUN. <i>Algal Research</i> , 2020, 47, 101860.	2.4	2
188	Thermal acclimation increases heat tolerance of the scleractinian coral <i>Acropora pruinosa</i> . <i>Science of the Total Environment</i> , 2020, 733, 139319.	3.9	35
189	Comparative transcriptomic analyses of <i>Chromera</i> and Symbiodiniaceae. <i>Environmental Microbiology Reports</i> , 2020, 12, 435-443.	1.0	4
190	Genomes of the dinoflagellate <i>Polarella glacialis</i> encode tandemly repeated single-exon genes with adaptive functions. <i>BMC Biology</i> , 2020, 18, 56.	1.7	64
191	Blooms of <i>Prorocentrum donghaiense</i> reduced the species diversity of dinoflagellate community. <i>Acta Oceanologica Sinica</i> , 2020, 39, 110-119.	0.4	13
192	Genome Size, rDNA Copy, and qPCR Assays for Symbiodiniaceae. <i>Frontiers in Microbiology</i> , 2020, 11, 847.	1.5	29
193	SAGER: a database of Symbiodiniaceae and Algal Genomic Resource. <i>Database: the Journal of Biological Databases and Curation</i> , 2020, 2020, .	1.4	19
194	Thermotolerant coral symbionts modulate heat stress-responsive genes in their hosts. <i>Molecular Ecology</i> , 2020, 29, 2940-2950.	2.0	39
195	The contribution of stress-tolerant endosymbiotic dinoflagellate <i>Durusdinium</i> to <i>Pocillopora acuta</i> survival in a highly urbanized reef system. <i>Coral Reefs</i> , 2020, 39, 745-755.	0.9	27
196	Biosynthesis of Saxitoxin in Marine Dinoflagellates: An Omics Perspective. <i>Marine Drugs</i> , 2020, 18, 103.	2.2	33
197	Insights on the genetic repertoire of the coral <i>Mussismilia braziliensis</i> endosymbiont Symbiodinium. <i>Symbiosis</i> , 2020, 80, 183-193.	1.2	7
198	Characterizing ciguatoxin (CTX)- and Non-CTX-producing strains of <i>Gambierdiscus balechii</i> using comparative transcriptomics. <i>Science of the Total Environment</i> , 2020, 717, 137184.	3.9	12
199	Symbiotic lifestyle triggers drastic changes in the gene expression of the algal endosymbiont <i>Breviolum minutum</i> (<i>Symbiodiniaceae</i>). <i>Ecology and Evolution</i> , 2020, 10, 451-466.	0.8	33

#	ARTICLE	IF	CITATIONS
200	Presence of absence polymorphisms of single-copy genes in the stony coral <i>Acropora digitifera</i> . <i>BMC Genomics</i> , 2020, 21, 158.	1.2	7
201	Identification and expression analysis of meiosis-related genes in the harmful alga <i>Heterosigma akashiwo</i> (Raphidophyceae). <i>Harmful Algae</i> , 2020, 92, 101736.	2.2	2
202	N-Linked Surface Glycan Biosynthesis, Composition, Inhibition, and Function in Cnidarian-Dinoflagellate Symbiosis. <i>Microbial Ecology</i> , 2020, 80, 223-236.	1.4	17
203	Genome Improvement and Core Gene Set Refinement of <i>Fugacium kawagutii</i> . <i>Microorganisms</i> , 2020, 8, 102.	1.6	27
204	Transcriptome survey and toxin measurements reveal evolutionary modification and loss of saxitoxin biosynthesis genes in the dinoflagellates <i>Amphidinium carterae</i> and <i>Prorocentrum micans</i> . <i>Ecotoxicology and Environmental Safety</i> , 2020, 195, 110474.	2.9	19
205	Genome and Transcriptome Analyses Provide Insight Into the Omega-3 Long-Chain Polyunsaturated Fatty Acids Biosynthesis of <i>Schizochytrium limacinum</i> SR21. <i>Frontiers in Microbiology</i> , 2020, 11, 687.	1.5	20
206	The cell-surface protein composition of a coral symbiont, <i>Breviolum psygmophilum</i> , reveals a mechanism for host specificity and displays dynamic regulation during temperature stress. <i>Marine Biology</i> , 2020, 167, 1.	0.7	3
207	Transcriptomic analysis of polyketide synthases in a highly ciguatoxic dinoflagellate, <i>Gambierdiscus polynesiensis</i> and low toxicity <i>Gambierdiscus pacificus</i> , from French Polynesia. <i>PLoS ONE</i> , 2020, 15, e0231400.	1.1	14
208	The Molecular Language of the Cnidarian-Dinoflagellate Symbiosis. <i>Trends in Microbiology</i> , 2021, 29, 320-333.	3.5	56
209	Novel reference transcriptomes for the sponges <i>Carteriospongia foliascens</i> and <i>Cliona orientalis</i> and associated algal symbiont <i>Gerakladium endoclonium</i> . <i>Coral Reefs</i> , 2021, 40, 9-13.	0.9	3
210	Whole-Genome Transcriptome Analyses of Native Symbionts Reveal Host Coral Genomic Novelty for Establishing Coral-Algae Symbioses. <i>Genome Biology and Evolution</i> , 2021, 13, .	1.1	23
211	<i>Shimiella</i> gen. nov. and <i>Shimiella gracilentia</i> sp. nov. (Dinophyceae, Kareniaceae), a Kleptoplastidic Dinoflagellate from Korean Waters and its Survival under Starvation. <i>Journal of Phycology</i> , 2021, 57, 70-91.	1.0	18
212	SxtA localizes to chloroplasts and changes to its 3'UTR may reduce toxin biosynthesis in non-toxic <i>Alexandrium catenella</i> (Group I). <i>Harmful Algae</i> , 2021, 101, 101972.	2.2	10
213	Towards a trait-based understanding of Symbiodiniaceae nutrient acquisition strategies. <i>Coral Reefs</i> , 2021, 40, 625-639.	0.9	12
214	Monoclonal Culture and Characterization of Symbiodiniaceae C1 Strain From the Scleractinian Coral <i>Galaxea fascicularis</i> . <i>Frontiers in Physiology</i> , 2020, 11, 621111.	1.3	1
215	From the sxtA4 Gene to Saxitoxin Production: What Controls the Variability Among <i>Alexandrium minutum</i> and <i>Alexandrium pacificum</i> Strains?. <i>Frontiers in Microbiology</i> , 2021, 12, 613199.	1.5	19
216	Conservation and turnover of miRNAs and their highly complementary targets in early branching animals. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20203169.	1.2	9
217	Large-scale genome sequencing reveals the driving forces of viruses in microalgal evolution. <i>Cell Host and Microbe</i> , 2021, 29, 250-266.e8.	5.1	48

#	ARTICLE	IF	CITATIONS
218	Transcriptomic Responses of Four Pelagophytes to Nutrient (N, P) and Light Stress. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	3
219	Putative Meiotic Toolkit in the Dinoflagellate <i>Prorocentrum cordatum</i> : Additional Evidence for Sexual Process from Transcriptome. <i>Journal of Eukaryotic Microbiology</i> , 2021, 68, e12845.	0.8	4
220	Genomic adaptations to an endolithic lifestyle in the coral-associated alga <i>Ostreobium</i> . <i>Current Biology</i> , 2021, 31, 1393-1402.e5.	1.8	40
221	Genetic and spatial organization of the unusual chromosomes of the dinoflagellate <i>Symbiodinium microadriaticum</i> . <i>Nature Genetics</i> , 2021, 53, 618-629.	9.4	54
222	Amino acid ^{13}C and ^{15}N analyses reveal distinct species-specific patterns of trophic plasticity in a marine symbiosis. <i>Limnology and Oceanography</i> , 2021, 66, 2033-2050.	1.6	16
223	Comparison of 15 dinoflagellate genomes reveals extensive sequence and structural divergence in family Symbiodiniaceae and genus <i>Symbiodinium</i> . <i>BMC Biology</i> , 2021, 19, 73.	1.7	65
224	Photosynthesis acclimation under severely fluctuating light conditions allows faster growth of diatoms compared with dinoflagellates. <i>BMC Plant Biology</i> , 2021, 21, 164.	1.6	11
225	Exploring marine endosymbiosis systems with omics techniques. <i>Science China Life Sciences</i> , 2021, 64, 1013-1016.	2.3	4
226	Initiation of efficient C_4 pathway in response to low ambient CO_2 during the bloom period of a marine dinoflagellate. <i>Environmental Microbiology</i> , 2021, 23, 3196-3211.	1.8	3
227	Genomic variation of an endosymbiotic dinoflagellate (<i>Symbiodinium fitti</i>) among closely related coral hosts. <i>Molecular Ecology</i> , 2021, 30, 3500-3514.	2.0	21
228	Autoactivation of Translation Causes the Bloom of <i>Prorocentrum donghaiense</i> in Harmful Algal Blooms. <i>Journal of Proteome Research</i> , 2021, 20, 3179-3187.	1.8	1
229	Nitrogen availability improves the physiological resilience of coral endosymbiont <i>Cladocopium goreau</i> to high temperature. <i>Journal of Phycology</i> , 2021, 57, 1187-1198.	1.0	6
230	Evaluation of Filter, Paramagnetic, and STAGETips Aided Workflows for Proteome Profiling of Symbiodiniaceae Dinoflagellate. <i>Processes</i> , 2021, 9, 983.	1.3	6
231	How Symbiodiniaceae meets the challenges of life during coral bleaching. <i>Coral Reefs</i> , 2021, 40, 1339-1353.	0.9	12
232	Tentacle Morphological Variation Coincides with Differential Expression of Toxins in Sea Anemones. <i>Toxins</i> , 2021, 13, 452.	1.5	12
233	The tropical coral <i>Pocillopora acuta</i> displays an unusual chromatin structure and shows histone H3 clipping plasticity upon bleaching. <i>Wellcome Open Research</i> , 2021, 6, 195.	0.9	2
234	Transcriptome and metabolome analyses of cold and darkness-induced pellicle cysts of <i>Scrippsiella trochoidea</i> . <i>BMC Genomics</i> , 2021, 22, 526.	1.2	9
235	Probing the Energetic Metabolism of Resting Cysts under Different Conditions from Molecular and Physiological Perspectives in the Harmful Algal Blooms-Forming Dinoflagellate <i>Scrippsiella trochoidea</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 7325.	1.8	3

#	ARTICLE	IF	CITATIONS
236	Omics study of harmful algal blooms in China: Current status, challenges, and future perspectives. <i>Harmful Algae</i> , 2021, 107, 102079.	2.2	23
237	Exploration of resting cysts (stages) and their relevance for possibly HABs-causing species in China. <i>Harmful Algae</i> , 2021, 107, 102050.	2.2	23
239	Insights into <i>Alexandrium minutum</i> Nutrient Acquisition, Metabolism and Saxitoxin Biosynthesis through Comprehensive Transcriptome Survey. <i>Biology</i> , 2021, 10, 826.	1.3	4
240	Elucidating gene expression adaptation of phylogenetically divergent coral holobionts under heat stress. <i>Nature Communications</i> , 2021, 12, 5731.	5.8	29
241	Spatial organization of dinoflagellate genomes: Novel insights and remaining critical questions. <i>Journal of Phycology</i> , 2021, 57, 1674-1678.	1.0	11
242	The Implication Inferred from the Expression of Small Heat-Shock Protein Genes in Dinoflagellate Resting Cysts Buried in Marine Sediment. <i>Diversity</i> , 2021, 13, 471.	0.7	1
243	Rapid protein evolution, organellar reductions, and invasive intronic elements in the marine aerobic parasite dinoflagellate <i>Amoebophrya</i> spp. <i>BMC Biology</i> , 2021, 19, 1.	1.7	135
244	Plasticity and Multiplicity of Trophic Modes in the Dinoflagellate <i>Karlodinium</i> and Their Pertinence to Population Maintenance and Bloom Dynamics. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 51.	1.2	7
260	Clade-Specific Sterol Metabolites in Dinoflagellate Endosymbionts Are Associated with Coral Bleaching in Response to Environmental Cues. <i>MSystems</i> , 2020, 5, .	1.7	17
261	Advances in the Tissue and Cell Culture of Corals. <i>Advances in Marine Sciences</i> , 2016, 03, 43-47.	0.2	1
262	Condition-specific RNA editing in the coral symbiont <i>Symbiodinium microadriaticum</i> . <i>PLoS Genetics</i> , 2017, 13, e1006619.	1.5	57
263	miRNAs Do Not Regulate Circadian Protein Synthesis in the Dinoflagellate <i>Lingulodinium polyedrum</i> . <i>PLoS ONE</i> , 2017, 12, e0168817.	1.1	6
264	Effect of various nitrogen conditions on population growth, temporary cysts and cellular biochemical compositions of <i>Karenia mikimotoi</i> . <i>PLoS ONE</i> , 2017, 12, e0171996.	1.1	12
265	Interactive effects of spectral quality and trace metal availability on the growth of <i>Trichodesmium</i> and <i>Symbiodinium</i> . <i>PLoS ONE</i> , 2017, 12, e0188777.	1.1	8
266	The proteomic response of the reef coral <i>Pocillopora acuta</i> to experimentally elevated temperatures. <i>PLoS ONE</i> , 2018, 13, e0192001.	1.1	52
267	Development of a protocol for specific detection and quantification of free-living and endosymbiotic <i>Symbiodinium</i> communities in coral reefs. <i>Aquatic Microbial Ecology</i> , 2017, 80, 1-13.	0.9	14
268	Lipid-enriched diets reduce the impacts of thermal stress in corals. <i>Marine Ecology - Progress Series</i> , 2017, 573, 129-141.	0.9	28
269	Nuclear Gene Transformation in the Dinoflagellate <i>Oxyrrhis marina</i> . <i>Microorganisms</i> , 2020, 8, 126.	1.6	11

#	ARTICLE	IF	CITATIONS
270	The exceptionally large genome of the harmful red tide dinoflagellate <i>Cochlodinium polykrikoides</i> Margalef (Dinophyceae): determination by flow cytometry. <i>Algae</i> , 2016, 31, 373-378.	0.9	14
271	Metabolic co-dependence drives the evolutionarily ancient Hydra-Chlorella symbiosis. <i>ELife</i> , 2018, 7, .	2.8	47
272	Gene clusters for biosynthesis of mycosporine-like amino acids in dinoflagellate nuclear genomes: Possible recent horizontal gene transfer between species of Symbiodiniaceae (Dinophyceae). <i>Journal of Phycology</i> , 2022, 58, 1-11.	1.0	5
273	Ecological and evolutionary diversification of sulphated polysaccharides in diverse photosynthetic lineages: A review. <i>Carbohydrate Polymers</i> , 2022, 277, 118764.	5.1	8
275	microRNAs facilitate comprehensive responses of Bathymodiolinae mussel against symbiotic and nonsymbiotic bacteria stimulation. <i>Fish and Shellfish Immunology</i> , 2021, 119, 420-431.	1.6	4
289	Changes in physiological performance and protein expression in the larvae of the coral <i>Pocillopora damicornis</i> and their symbionts in response to elevated temperature and acidification. <i>Science of the Total Environment</i> , 2022, 807, 151251.	3.9	3
292	Population genetic structure of a broadcast-spawning coral across a tropical-temperate transition zone reveals regional differentiation and high-latitude reef isolation. <i>Journal of Biogeography</i> , 2021, 48, 3185-3195.	1.4	3
293	Dependence of genome size and copy number of rRNA gene on cell volume in dinoflagellates. <i>Harmful Algae</i> , 2021, 109, 102108.	2.2	12
296	Species richness and generalists-specialists mosaicism of symbiodiniacean symbionts in corals from Hong Kong revealed by high-throughput ITS sequencing. <i>Coral Reefs</i> , 2022, 41, 1.	0.9	11
297	Cladobranchia (Gastropoda, Nudibranchia) as a Promising Model to Understand the Molecular Evolution of Photosymbiosis in Animals. <i>Frontiers in Marine Science</i> , 2022, 8, .	1.2	10
298	First record of the spatial organization of the nucleosome-less chromatin of dinoflagellates: The nonrandom distribution of microsatellites and bipolar arrangement of telomeres in the nucleus of <i>Gambierdiscus australes</i> (Dinophyceae). <i>Journal of Phycology</i> , 2022, , .	1.0	1
299	The tropical coral <i>Pocillopora acuta</i> displays an unusual chromatin structure and shows histone H3 clipping plasticity upon bleaching. <i>Wellcome Open Research</i> , 0, 6, 195.	0.9	2
301	Vitamin B12-auxotrophy in dinoflagellates caused by incomplete or absent cobalamin-independent methionine synthase genes (<i>metE</i>). <i>Fundamental Research</i> , 2022, 2, 727-737.	1.6	6
302	A DINOFLLAGELLATE TBP-LIKE FACTOR ACTIVATES TRANSCRIPTION FROM A TTTT-BOX IN YEAST. <i>Journal of Phycology</i> , 2022, 58, 343-346.	1.0	3
303	Genome-powered classification of microbial eukaryotes: focus on coral algal symbionts. <i>Trends in Microbiology</i> , 2022, 30, 831-840.	3.5	17
304	Colonization and metabolite profiles of homologous, heterologous and experimentally evolved algal symbionts in the sea anemone <i>Exaiptasia diaphana</i> . <i>ISME Communications</i> , 2022, 2, .	1.7	4
305	Dinoflagellate Phosphopantetheinyl Transferase (PPTase) and Thiolation Domain Interactions Characterized Using a Modified Indigoidine Synthesizing Reporter. <i>Microorganisms</i> , 2022, 10, 687.	1.6	1
307	Biochemical Mapping of <i>Pyrodinium bahamense</i> Unveils Molecular Underpinnings behind Organismal Processes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13332.	1.8	0

#	ARTICLE	IF	CITATIONS
308	Full-Length Transcriptome Sequencing of the Scleractinian Coral <i>Montipora foliosa</i> Reveals the Gene Expression Profile of Coralâ€™ Zooxanthellae Holobiont. <i>Biology</i> , 2021, 10, 1274.	1.3	3
309	Differential Affinities of a <i>Pocillopora damicornis</i> Galectin to Five Genera of Symbiodiniaceae at Different Temperatures. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	2
311	Metatranscriptomic Analysis of Corals Inoculated With Tolerant and Non-Tolerant Symbiont Exposed to High Temperature and Light Stress. <i>Frontiers in Physiology</i> , 2022, 13, 806171.	1.3	3
313	An overview of transcription in dinoflagellates. <i>Gene</i> , 2022, 829, 146505.	1.0	7
359	Alignment-Free Analysis of Whole-Genome Sequences From Symbiodiniaceae Reveals Different Phylogenetic Signals in Distinct Regions. <i>Frontiers in Plant Science</i> , 2022, 13, 815714.	1.7	13
360	Editorial: Physiological Regulation and Homeostasis Among Coral Holobiont Partners. <i>Frontiers in Physiology</i> , 2022, 13, .	1.3	1
361	Population connectivity and genetic offset in the spawning coral <i>Acropora digitifera</i> in Western Australia. <i>Molecular Ecology</i> , 2022, 31, 3533-3547.	2.0	7
362	A Novel Algicidal Bacterium and Its Effects against the Toxic Dinoflagellate <i>Karenia mikimotoi</i> (Dinophyceae). <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	6
363	Metal-doped Magnetic Graphene Oxide Nanohybrid for Solid-phase Microextraction of Copper from Environmental Samples. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2022, 46, 807-817.	0.7	4
364	Retrotransposition facilitated the establishment of a primary plastid in the thecate amoeba <i>Paulinella</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	5
365	Genome-Guided Analysis of Seven Weed Species Reveals Conserved Sequence and Structural Features of Key Gene Targets for Herbicide Development. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	2
366	Reactive Oxygen Species Signaling Pathways: Arbiters of Evolutionary Conflict?. <i>Oxygen</i> , 2022, 2, 269-285.	1.6	1
367	Responses of Dinoflagellate Cells to Ultraviolet-C Irradiation. <i>Environmental Microbiology</i> , 0, , .	1.8	0
371	Coral bleaching from a nutrient perspective is understudied: A bibliometric survey. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	1
372	Energetics, but not development, is impacted in coral embryos exposed to ocean acidification. <i>Journal of Experimental Biology</i> , 2022, 225, .	0.8	1
373	Improved <i>Cladocopium goreau</i> Genome Assembly Reveals Features of a Facultative Coral Symbiont and the Complex Evolutionary History of Dinoflagellate Genes. <i>Microorganisms</i> , 2022, 10, 1662.	1.6	13
374	Response mechanisms to ocean warming exposure in <i>Effrenium voratum</i> (Symbiodiniaceae). <i>Marine Pollution Bulletin</i> , 2022, 182, 114032.	2.3	0
375	Active meiosis during dinoflagellate blooms: A "sex for proliferation" hypothesis. <i>Harmful Algae</i> , 2022, 118, 102307.	2.2	7

#	ARTICLE	IF	CITATIONS
376	Full-Length Transcriptome Maps of Reef-Building Coral Illuminate the Molecular Basis of Calcification, Symbiosis, and Circadian Genes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11135.	1.8	0
377	A Functional Genomics View of Gibberellin Metabolism in the Cnidarian Symbiont <i>Breviolum minutum</i> . <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	1
378	Coral Conservation from the Genomic Perspective on Symbiodiniaceae Diversity and Function in the Holobiont. <i>Coral Reefs of the World</i> , 2022, , 85-96.	0.3	0
379	Multiple waves of viral invasions in Symbiodiniaceae algal genomes. <i>Virus Evolution</i> , 2022, 8, .	2.2	3
380	The enigmatic clock of dinoflagellates, is it unique?. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	1
381	A grazing-driven positive nutrient feedback loop and active sexual reproduction underpin widespread <i>Noctiluca</i> green tides. <i>ISME Communications</i> , 2022, 2, .	1.7	4
382	Nuclear transformation of a dinoflagellate symbiont of corals. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	10
383	First insight into H3K4me3 modification in the rapid growth of <i>Alexandrium pacificum</i> (dinoflagellates). <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	1
384	Intron-rich dinoflagellate genomes driven by Introner transposable elements of unprecedented diversity. <i>Current Biology</i> , 2023, 33, 189-196.e4.	1.8	4
385	Algal epigenetics: insights from DNA methylation in a symbiotic dinoflagellate. <i>Journal of Phycology</i> , 2023, 59, 289-291.	1.0	0
386	Genomic conservation and putative downstream functionality of the phosphatidylinositol signalling pathway in the cnidarian-dinoflagellate symbiosis. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	1
387	A candidate transporter allowing symbiotic dinoflagellates to feed their coral hosts. <i>ISME Communications</i> , 2023, 3, .	1.7	3
388	Transcriptomic analysis of polyketide synthesis in dinoflagellate, <i>Prorocentrum lima</i> . <i>Harmful Algae</i> , 2023, 123, 102391.	2.2	2
389	High Heterotrophic Plasticity of Massive Coral <i>Porites pukoensis</i> Contributes to Its Tolerance to Bioaccumulated Microplastics. <i>Environmental Science & Technology</i> , 2023, 57, 3391-3401.	4.6	3
390	The coral microbiome: towards an understanding of the molecular mechanisms of coral-microbiota interactions. <i>FEMS Microbiology Reviews</i> , 2023, 47, .	3.9	15
391	Deep sequencing of microRNAs reveals circadian-dependent microRNA expression in the eyestalks of the Chinese mitten crab <i>Eriocheir sinensis</i> . <i>Scientific Reports</i> , 2023, 13, .	1.6	0