Maoz Fine

List of Publications by Year
in descending order

122 papers	7,525 citations	61857 43 h-index	60497 81 g-index
128 all docs	128 docs citations	128 times ranked	6251 citing authors

#	Article	IF	Citations
1	Volcanic carbon dioxide vents show ecosystem effects of ocean acidification. Nature, 2008, 454, 96-99.	13.7	1,149
2	Coral and mollusc resistance to ocean acidification adversely affected by warming. Nature Climate Change, 2011, 1, 308-312.	8.1	404
3	Scleractinian Coral Species Survive and Recover from Decalcification. Science, 2007, 315, 1811-1811.	6.0	264
4	Avoiding Coral Reef Functional Collapse Requires Local and Global Action. Current Biology, 2013, 23, 912-918.	1.8	252
5	The impact of reduced pH on the microbial community of the coral <i>Acropora eurystoma</i>. ISME Journal, 2011, 5, 51-60.	4.4	217
6	Bleaching of the coral Oculina patagonica by Vibrio AK-1. Marine Ecology - Progress Series, 1997, 147, 159-165.	0.9	206
7	Endolithic algae: an alternative source of photoassimilates during coral bleaching. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 1205-1210.	1.2	199
8	A coral reef refuge in the Red Sea. Global Change Biology, 2013, 19, 3640-3647.	4.2	199
9	Physiological and isotopic responses of scleractinian corals to ocean acidification. Geochimica Et Cosmochimica Acta, 2010, 74, 4988-5001.	1.6	191
10	A coral oxygen isotope record from the northern Red Sea documenting NAO, ENSO, and North Pacific teleconnections on Middle East climate variability since the year 1750. Paleoceanography, 2000, 15, 679-694.	3.0	168
11	The marine fireworm Hermodice carunculata is a winter reservoir and spring-summer vector for the coral-bleaching pathogen Vibrio shiloi. Environmental Microbiology, 2003, 5, 250-255.	1.8	149
12	Increasing the accuracy of surface area estimation using single wax dipping of coral fragments. Coral Reefs, 2010, 29, 893-897.	0.9	126
13	Effect of temperature on bleaching of the coral Oculina patagonica by Vibrio AK-1. Marine Ecology - Progress Series, 1998, 171, 131-137.	0.9	118
14	Multiple Symbiont Acquisition Strategies as an Adaptive Mechanism in the Coral Stylophora pistillata. PLoS ONE, 2013, 8, e59596.	1.1	115
15	Response of holosymbiont pigments from the scleractinian coral <i>Montipora monasteriata</i> to short-term heat stress. Limnology and Oceanography, 2006, 51, 1149-1158.	1.6	114
16	Common reef-building coral in the Northern Red Sea resistant to elevated temperature and acidification. Royal Society Open Science, 2017, 4, 170038.	1.1	113
17	Coral bleaching following wintry weather. Limnology and Oceanography, 2005, 50, 265-271.	1.6	112
18	Role of endosymbiotic zooxanthellae and coral mucus in the adhesion of the coral-bleaching pathogen Vibrio shiloi to its host. FEMS Microbiology Letters, 2001, 199, 33-37.	0.7	101

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19	Changes in coral microbial communities in response to a natural pH gradient. ISME Journal, 2012, 6, 1775-1785.	4.4	98
20	Oculina patagonica : a non-lessepsian scleractinian coral invading the Mediterranean Sea. Marine Biology, 2001, 138, 1195-1203.	0.7	91
21	Ocean acidification impairs vermetid reef recruitment. Scientific Reports, 2014, 4, 4189.	1.6	90
22	Fluorescence In Situ Hybridization and Spectral Imaging of Coral-Associated Bacterial Communities. Applied and Environmental Microbiology, 2006, 72, 3016-3020.	1.4	83
23	Size matters: bleaching dynamics of the coral Oculina patagonica. Marine Ecology - Progress Series, 2005, 294, 181-188.	0.9	83
24	Disease and cell death in white syndrome of Acroporid corals on the Great Barrier Reef. Marine Biology, 2007, 151, 19-29.	0.7	81
25	Coral Disease Diagnostics: What's between a Plague and a Band?. Applied and Environmental Microbiology, 2007, 73, 981-992.	1.4	79
26	Thermally tolerant corals have limited capacity to acclimatize to future warming. Global Change Biology, 2014, 20, 3036-3049.	4.2	75
27	Light microclimate of endolithic phototrophs in the scleractinian corals Montipora monasteriata and Porites cylindrica. Marine Ecology - Progress Series, 2007, 332, 119-128.	0.9	72
28	Bacteria are not the primary cause of bleaching in the Mediterranean coral <i>Oculina patagonica</i>. ISME Journal, 2008, 2, 67-73.	4.4	68
29	Contrasting heat stress response patterns of coral holobionts across the Red Sea suggest distinct mechanisms of thermal tolerance. Molecular Ecology, 2021, 30, 4466-4480.	2.0	68
30	The Assimilation of Diazotroph-Derived Nitrogen by Scleractinian Corals Depends on Their Metabolic Status. MBio, 2017, 8, .	1.8	67
31	Breakdown of coral colonial form under reduced pH conditions is initiated in polyps and mediated through apoptosis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2082-2086.	3.3	65
32	Bleaching effect on regeneration and resource translocation in the coral Oculina patagonica. Marine Ecology - Progress Series, 2002, 234, 119-125.	0.9	64
33	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, .	3.3	63
34	Host pigments: potential facilitators of photosynthesis in coral symbioses. Plant, Cell and Environment, 2008, 31, 1523-1533.	2.8	61
35	Synchronization of the life cycle and dispersal pattern of the tropical invader scyphomedusan Rho-pilema nomadica is temperature dependent. Marine Ecology - Progress Series, 1994, 109, 59-65.	0.9	60
36	Tolerance of endolithic algae to elevated temperature and light in the coral Montipora monasteriata from the southern Great Barrier Reef. Journal of Experimental Biology, 2005, 208, 75-81.	0.8	58

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37	Low temperatures cause coral bleaching. Coral Reefs, 2004, 23, 444-444.	0.9	56
38	Intra-colonial response to Acroporid â€œwhite syndromeâ€•lesions in tabular Acropora spp. (Scleractinia). Coral Reefs, 2006, 25, 255-264.	0.9	52
39	Phototrophic microendoliths bloom during coral â€œwhite syndromeâ€• Coral Reefs, 2006, 25, 577-581.	0.9	51
40	Octocoral Tissue Provides Protection from Declining Oceanic pH. PLoS ONE, 2014, 9, e91553.	1.1	51
41	Coral polyp expulsion. Nature, 1997, 387, 137-137.	13.7	49
42	Increased Prevalence of Ubiquitous Ascomycetes in an Acropoid Coral (Acropora formosa) Exhibiting Symptoms of Brown Band Syndrome and Skeletal Eroding Band Disease. Applied and Environmental Microbiology, 2007, 73, 2755-2757.	1.4	49
43	Towards improved socio-economic assessments of ocean acidificationâ€™s impacts. Marine Biology, 2013, 160, 1773-1787.	0.7	48
44	Biogenic Fish-gut Calcium Carbonate is a Stable Amorphous Phase in the Gilt-head Seabream, Sparus aurata. Scientific Reports, 2013, 3, 1700.	1.6	48
45	Genotypic diversity and distribution of Ostreobium quekettii within scleractinian corals. Coral Reefs, 2011, 30, 643-650.	0.9	47
46	Temperature and feeding induce tissue level changes in autotrophic and heterotrophic nutrient allocation in the coral symbiosis â€“ A NanoSIMS study. Scientific Reports, 2018, 8, 12710.	1.6	47
47	Remarkably high and consistent tolerance of a Red Sea coral to acute and chronic thermal stress exposures. Limnology and Oceanography, 2021, 66, 1718-1729.	1.6	45
48	Beyond peak summer temperatures, branching corals in the Gulf of Aqaba are resilient to thermal stress but sensitive to high light. Coral Reefs, 2017, 36, 1071-1082.	0.9	43
49	Photosynthate translocation increases in response to low seawater pH in a coralâ€“dinoflagellate symbiosis. Biogeosciences, 2013, 10, 3997-4007.	1.3	42
50	Does elevated <i>p</i><scp>CO</scp>₂ affect reef octocorals?. Ecology and Evolution, 2013, 3, 465-473.	0.8	41
51	Coral reefs of the Red SeaÂâ€”ÂChallenges and potential solutions. Regional Studies in Marine Science, 2019, 25, 100498.	0.4	41
52	Intracellular competition for nitrogen controls dinoflagellate population density in corals. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20200049.	1.2	41
53	Carbon and Nitrogen Acquisition in Shallow and Deep Holobionts of the Scleractinian Coral S. pistillata. Frontiers in Marine Science, 2017, 4, .	1.2	40
54	Tough as a rock-boring urchin: adult Echinometra sp. EE from the Red Sea show high resistance to ocean acidification over long-term exposures. Marine Biology, 2014, 161, 2531-2545.	0.7	39

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55	Symbiosis drove cellular evolution. Symbiosis, 2010, 51, 13-25.	1.2	37
56	Underwater light field patterns in subtropical coastal waters: A case study from the Gulf of Eilat (Aqaba). Israel Journal of Plant Sciences, 2012, 60, 265-275.	0.3	37
57	Eutrophication may compromise the resilience of the Red Sea coral Stylophora pistillata to global change. Marine Pollution Bulletin, 2018, 131, 701-711.	2.3	37
58	Endolithic algae photoacclimate to increased irradiance during coral bleaching. Marine and Freshwater Research, 2004, 55, 115.	0.7	35
59	Impact of ocean acidification on crystallographic vital effect of the coral skeleton. Nature Communications, 2019, 10, 2896.	5.8	34
60	Science, Diplomacy, and the Red Seaâ€™s Unique Coral Reef: Itâ€™s Time for Action. Frontiers in Marine Science, 2020, 7, .	1.2	34
61	The Ecology of â€˜Acroporid White Syndrome', a Coral Disease from the Southern Great Barrier Reef. PLoS ONE, 2011, 6, e26829.	1.1	32
62	Spatial competition dynamics between reef corals under ocean acidification. Scientific Reports, 2017, 7, 40288.	1.6	31
63	Nitrogen fixation in the mucus of Red Sea corals. Journal of Experimental Biology, 2014, 217, 3962-3.	0.8	30
64	The Red Sea Simulator: A highâ€precision climate change mesocosm with automated monitoring for the longâ€term study of coral reef organisms. Limnology and Oceanography: Methods, 2018, 16, 367-375.	1.0	30
65	Mass transport from pollution sources to remote coral reefs in Eilat (Gulf of Aqaba, Red Sea). Marine Pollution Bulletin, 1999, 38, 25-29.	2.3	29
66	Shallow-water wave lensing in coral reefs: a physical and biological case study. Journal of Experimental Biology, 2010, 213, 4304-4312.	0.8	28
67	Copper enrichment reduces thermal tolerance of the highly resistant Red Sea coral Stylophora pistillata. Coral Reefs, 2019, 38, 285-296.	0.9	27
68	Trace element profiles of the sea anemone<i>Anemonia viridis</i>living nearby a natural CO₂vent. PeerJ, 2014, 2, e538.	0.9	27
69	Alternate coralâ€“bryozoan competitive superiority during coral bleaching. Marine Biology, 2003, 142, 989-996.	0.7	26
70	Empirically derived thermal thresholds of four coral species along the Red Sea using a portable and standardized experimental approach. Coral Reefs, 2022, 41, 239-252.	0.9	26
71	Productivity and carbon fluxes depend on species and symbiont density in soft coral symbioses. Scientific Reports, 2019, 9, 17819.	1.6	25
72	Evaluating southern Red Sea corals as a proxy record for the Asian monsoon. Earth and Planetary Science Letters, 1997, 148, 381-394.	1.8	24

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73	Ecological changes over 90 years at Low Isles on the Great Barrier Reef. Nature Communications, 2019, 10, 4409.	5.8	24
74	Coral disease physiology: the impact of Acroporid white syndrome on Symbiodinium. Coral Reefs, 2008, 27, 373-377.	0.9	23
75	The reef builder gastropod Dendropoma petreaum â€“ A proxy of short and long term climatic events in the Eastern Mediterranean. Geochimica Et Cosmochimica Acta, 2009, 73, 4376-4383.	1.6	23
76	Ultraviolet radiation prevents bleaching in the Mediterranean coral Oculina patagonica. Marine Ecology - Progress Series, 2002, 226, 249-254.	0.9	22
77	Environmental sensitivity of Neogoniolithon brassica-florida associated with vermetid reefs in the Mediterranean Sea. ICES Journal of Marine Science, 2017, 74, 1074-1082.	1.2	21
78	Coastal coal pollution increases Cd concentrations in the predatory gastropod Hexaplex trunculus and is detrimental to its health. Marine Pollution Bulletin, 2004, 49, 111-118.	2.3	19
79	SPATIAL HETEROGENEITY OF PHOTOSYNTHETIC ACTIVITY WITHIN DISEASED CORALS FROM THE GREAT BARRIER REEF¹. Journal of Phycology, 2008, 44, 526-538.	1.0	19
80	Changes in Microbial Communities Associated with the Sea Anemone Anemonia viridis in a Natural pH Gradient. Microbial Ecology, 2013, 65, 269-276.	1.4	19
81	Population dynamics of zooxanthellae during a bacterial bleaching event. Coral Reefs, 2006, 25, 223-227.	0.9	18
82	Phototropic growth in a reef flat acroporid branching coral species. Journal of Experimental Biology, 2009, 212, 662-667.	0.8	18
83	Direct and indirect effects of high pCO2 on algal grazing by coral reef herbivores from the Gulf of Aqaba (Red Sea). Coral Reefs, 2013, 32, 937-947.	0.9	18
84	Measuring coral calcification under ocean acidification: methodological considerations for the⁴⁵Ca-uptake and total alkalinity anomaly technique. PeerJ, 2017, 5, e3749.	0.9	17
85	Acabaria erythraea (Octocorallia: Gorgonacea) a successful invader to the Mediterranean Sea?. Coral Reefs, 2005, 24, 161-164.	0.9	16
86	Increasing p CO 2 correlates with low concentrations of intracellular dimethylsulfoniopropionate in the sea anemone A nemonia viridis. Ecology and Evolution, 2014, 4, 441-449.	0.8	16
87	High CO2 detrimentally affects tissue regeneration of Red Sea corals. Coral Reefs, 2014, 33, 819-829.	0.9	16
88	Developmental carry over effects of ocean warming and acidification in corals from a potential climate refugium, Gulf of Aqaba. Journal of Experimental Biology, 2019, 222, .	0.8	16
89	Feeding increases the number of offspring but decreases parental investment of Red Sea coral <i>Stylophora pistillata</i>. Ecology and Evolution, 2019, 9, 12245-12258.	0.8	16
90	Simulated climate change scenarios impact the reproduction and early life stages of a soft coral. Marine Environmental Research, 2021, 163, 105215.	1.1	16

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91	Natural high pCO2 increases autotrophy in Anemonia viridis (Anthozoa) as revealed from stable isotope (C, N) analysis. Scientific Reports, 2015, 5, 8779.	1.6	15
92	On the genus Spirobranchus (Annelida, Serpulidae) from the northern Red Sea, and a description of a new species. Invertebrate Systematics, 2018, 32, 605.	0.5	15
93	Substrate selection of Christmas tree worms (<i>Spirobranchus</i>spp.) in the Gulf of Eilat, Red Sea. Journal of the Marine Biological Association of the United Kingdom, 2018, 98, 791-799.	0.4	14
94	A method to disentangle and quantify host anabolic turnover in photosymbiotic holobionts with subcellular resolution. Communications Biology, 2020, 3, 14.	2.0	14
95	Lesion recovery of two scleractinian corals under low pH conditions: Implications for restoration efforts. Marine Pollution Bulletin, 2015, 100, 321-326.	2.3	13
96	The stable microbiome of inter and sub-tidal anemone species under increasing pCO2. Scientific Reports, 2016, 6, 37387.	1.6	13
97	Cotylorhiza erythraea Stiasny, 1920 (Scyphozoa: Rhizostomeae: Cepheidae), yet another erythraean jellyfish from the Mediterranean coast of Israel. Marine Biodiversity, 2017, 47, 229-235.	0.3	11
98	Behavioural responses of fish groups exposed to a predatory threat under elevated CO2. Marine Environmental Research, 2019, 147, 179-184.	1.1	11
99	Dissolved Nitrogen Acquisition in the Symbioses of Soft and Hard Corals With Symbiodiniaceae: A Key to Understanding Their Different Nutritional Strategies?. Frontiers in Microbiology, 2021, 12, 657759.	1.5	11
100	Symbiotic stony and soft corals: Is their hostâ€algae relationship really mutualistic at lower mesophotic reefs?. Limnology and Oceanography, 2022, 67, 261-271.	1.6	11
101	Stylophora pistillata in the Red Sea demonstrate higher GFP fluorescence under ocean acidification conditions. Coral Reefs, 2018, 37, 309-320.	0.9	10
102	Warming resistant corals from the Gulf of Aqaba live close to their cold-water bleaching threshold. PeerJ, 2021, 9, e11100.	0.9	10
103	Divergent Capacity of Scleractinian and Soft Corals to Assimilate and Transfer Diazotrophically Derived Nitrogen to the Reef Environment. Frontiers in Microbiology, 2019, 10, 1860.	1.5	9
104	Coral Bleaching in a Temperate Sea: From Colony Physiology to Population Ecology. , 2004, , 143-156.		8
105	Unravelling the Importance of Diazotrophy in Corals â€“ Combined Assessment of Nitrogen Assimilation, Diazotrophic Community and Natural Stable Isotope Signatures. Frontiers in Microbiology, 2021, 12, 631244.	1.5	8
106	Instability and Stasis Among the Microbiome of Seagrass Leaves, Roots and Rhizomes, and Nearby Sediments Within a Natural pH Gradient. Microbial Ecology, 2022, 84, 703-716.	1.4	8
107	A NOTE ON ASEXUAL REPRODUCTION OF A MARGINOPORA SP. FROM A MODERN DEEP-WATER POPULATION IN THE HERON-WISTARI CHANNEL, AUSTRALIA. Journal of Foraminiferal Research, 2009, 39, 4-7.	0.1	7
108	Light from down under. Journal of Experimental Biology, 2013, 216, 4341-6.	0.8	7

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109	Symbiosis-specific changes in dimethylsulphoniopropionate concentrations in Stylophora pistillata along a depth gradient. Coral Reefs, 2016, 35, 1383-1392.	0.9	7
110	Recovery assessment of the branching coral Stylophora pistillata following copper contamination and depuration. Marine Pollution Bulletin, 2021, 162, 111830.	2.3	7
111	Lipid biomarkers reveal the trophic plasticity of octocorals along a depth gradient. Limnology and Oceanography, 2021, 66, 2078-2087.	1.6	7
112	A Closing Window of Opportunity to Save a Unique Marine Ecosystem. Frontiers in Marine Science, 2020, 7, .	1.2	7
113	Desert dust deposition supplies essential bioelements to Red Sea corals. Global Change Biology, 2022, 28, 2341-2359.	4.2	7
114	Assessment of temperature optimum signatures of corals at both latitudinal extremes of the Red Sea. , 2022, 10, coac002.		7
115	VARIATION AMONG THEMARGINOPORA VERTEBRALISCOLLECTED FROM THE GREAT BARRIER REEF, AUSTRALIA. Journal of Foraminiferal Research, 2016, 46, 201-219.	0.1	6
116	The reef building coral Stylophora pistillata uses stored carbohydrates to maintain ATP levels under thermal stress. Coral Reefs, 2021, 40, 1473-1485.	0.9	6
117	Drawing the Line at Neglected Marine Ecosystems: Ecology of Vermetid Reefs in a Changing Ocean. , 2017, , 345-367.		4
118	Seasonal Variations in the Culturable Mycobiome of Acropora loripes along a Depth Gradient. Microorganisms, 2020, 8, 1139.	1.6	4
119	Drawing the Line at Neglected Marine Ecosystems: Ecology of Vermetid Reefs in a Changing Ocean. , 2016, , 1-23.		4
120	Elevated temperatures reduce the resilience of the Red Sea branching coral stylophora pistillata to copper pollution. Aquatic Toxicology, 2022, 244, 106096.	1.9	2
121	On the occurrence of Hippocampus fuscus in the eastern Mediterranean. , 2002, 60, 764.		1
122	Effect of Ocean Acidification on the Coral Microbial Community. , 2012, , 163-173.		0