

Daniel J Barshis

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

3,207
citations

471509

17
h-index

552781

26
g-index

28
all docs

28
docs citations

28
times ranked

3557
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of temperature optimum signatures of corals at both latitudinal extremes of the Red Sea. , 2022, 10, coac002.		7
2	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.	2.2	26
3	High-resolution in situ thermal metrics coupled with acute heat stress experiments reveal differential coral bleaching susceptibility. Coral Reefs, 2022, 41, 1045-1057.	2.2	8
4	Remarkably high and consistent tolerance of a Red Sea coral to acute and chronic thermal stress exposures. Limnology and Oceanography, 2021, 66, 1718-1729.	3.1	45
5	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, .	7.1	63
6	Consensus Guidelines for Advancing Coral Holobiont Genome and Specimen Voucher Deposition. Frontiers in Marine Science, 2021, 8, .	2.5	23
7	Contrasting heat stress response patterns of coral holobionts across the Red Sea suggest distinct mechanisms of thermal tolerance. Molecular Ecology, 2021, 30, 4466-4480.	3.9	68
8	Extending the natural adaptive capacity of coral holobionts. Nature Reviews Earth & Environment, 2021, 2, 747-762.	29.7	110
9	Variation in Coral Thermotolerance Across a Pollution Gradient Erodes as Coral Symbionts Shift to More Heat-Tolerant Genera. Frontiers in Marine Science, 2021, 8, .	2.5	6
10	Standardized short-term acute heat stress assays resolve historical differences in coral thermotolerance across microhabitat reef sites. Global Change Biology, 2020, 26, 4328-4343.	9.5	114
11	Science, Diplomacy, and the Red Sea's Unique Coral Reef: It's Time for Action. Frontiers in Marine Science, 2020, 7, .	2.5	34
12	Adaptive divergence, neutral panmixia, and algal symbiont population structure in the temperate coral <i>Astrangia poculata</i> along the Mid-Atlantic United States. PeerJ, 2020, 8, e10201.	2.0	6
13	Species-specific calcification response of Caribbean corals after 2-year transplantation to a low aragonite saturation submarine spring. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190572.	2.6	12
14	Adaptive signatures in thermal performance of the temperate coral <i>Astrangia poculata</i> (Ellis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.7	24
15	High frequency temperature variability reduces the risk of coral bleaching. Nature Communications, 2018, 9, 1671.	12.8	201
16	High-frequency temperature variability mirrors fixed differences in thermal limits of the massive coral <i>Porites lobata</i> (Dana, 1846). Journal of Experimental Biology, 2018, 221, .	1.7	36
17	Rapid adaptive responses to climate change in corals. Nature Climate Change, 2017, 7, 627-636.	18.8	327
18	Melting barriers to faunal exchange across ocean basins. Global Change Biology, 2016, 22, 465-473.	9.5	14

#	ARTICLE	IF	CITATIONS
19	Ecological drivers and habitat associations of estuarine bivalves. PeerJ, 2015, 3, e1348.	2.0	18
20	Next-generation sequencing for molecular ecology: a caveat regarding pooled samples. Molecular Ecology, 2014, 23, 502-512.	3.9	49
21	Lineage-Specific Transcriptional Profiles of Symbiodinium spp. Unaltered by Heat Stress in a Coral Host. Molecular Biology and Evolution, 2014, 31, 1343-1352.	8.9	135
22	Mechanisms of reef coral resistance to future climate change. Science, 2014, 344, 895-898.	12.6	684
23	Are all eggs created equal? A case study from the Hawaiian reef-building coral <i>Montipora capitata</i> . Coral Reefs, 2013, 32, 137-152.	2.2	37
24	Genomic basis for coral resilience to climate change. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1387-1392.	7.1	770
25	The simple fool's guide to population genomics via <i>RNA-seq</i> : an introduction to high-throughput sequencing data analysis. Molecular Ecology Resources, 2012, 12, 1058-1067.	4.8	229
26	Coral-associated marine fungi form novel lineages and heterogeneous assemblages. ISME Journal, 2012, 6, 1291-1301.	9.8	154
27	K-12 science education and broader impacts. Frontiers in Ecology and the Environment, 2010, 8, 217-218.	4.0	1