Daniel J Barshis

List of Publications by Year
in descending order

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	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
2	Mechanisms of reef coral resistance to future climate change. Science, 2014, 344, 895-898.	12.6	684
3	Rapid adaptive responses to climate change in corals. Nature Climate Change, 2017, 7, 627-636.	18.8	327
4	The simple fool's guide to population genomics via <scp>RNA</scp>â€Seq: an introduction to highâ€throughput sequencing data analysis. Molecular Ecology Resources, 2012, 12, 1058-1067.	4.8	229
5	High frequency temperature variability reduces the risk of coral bleaching. Nature Communications, 2018, 9, 1671.	12.8	201
6	Coral-associated marine fungi form novel lineages and heterogeneous assemblages. ISME Journal, 2012, 6, 1291-1301.	9.8	154
7	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
8	Standardized shortâ€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
9	Extending the natural adaptive capacity of coral holobionts. Nature Reviews Earth & Environment, 2021, 2, 747-762.	29.7	110
10	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
11	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
12	Nextâ€generation sequencing for molecular ecology: a caveat regarding pooled samples. Molecular Ecology, 2014, 23, 502-512.	3.9	49
13	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
14	Are all eggs created equal? A case study from the Hawaiian reef-building coral Montipora capitata. Coral Reefs, 2013, 32, 137-152.	2.2	37
15	High-frequency temperature variability mirrors fixed differences in thermal limits of the massive coral Porites lobata (Dana, 1846). Journal of Experimental Biology, 2018, 221, .	1.7	36
16	Science, Diplomacy, and the Red Seaâ€™s Unique Coral Reef: Itâ€™s Time for Action. Frontiers in Marine Science, 2020, 7, .	2.5	34
17	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
18	Adaptive signatures in thermal performance of the temperate coral Astrangia poculata (Ellis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.7	24

#	Article	IF	Citations
19	Consensus Guidelines for Advancing Coral Holobiont Genome and Specimen Voucher Deposition. Frontiers in Marine Science, 2021, 8, .	2.5	23
20	Ecological drivers and habitat associations of estuarine bivalves. PeerJ, 2015, 3, e1348.	2.0	18
21	Melting barriers to faunal exchange across ocean basins. Global Change Biology, 2016, 22, 465-473.	9.5	14
22	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
23	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
24	Assessment of temperature optimum signatures of corals at both latitudinal extremes of the Red Sea. , 2022, 10, coac002.		7
25	Adaptive divergence, neutral panmixia, and algal symbiont population structure in the temperate coral Astrangia poculata along the Mid-Atlantic United States. PeerJ, 2020, 8, e10201.	2.0	6
26	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
27	Kâ€“12 science education and â€œbroader impactsâ€• Frontiers in Ecology and the Environment, 2010, 8, 217-218.	4.0	1