Andrew H Baird

List of Publications by Year
in descending order

152 papers	19,356 citations	28274 55 h-index	12272 133 g-index
233 all docs	233 docs citations	233 times ranked	12129 citing authors

#	Article	IF	Citations
1	Solving the Coral Species Delimitation Conundrum. Systematic Biology, 2022, 71, 461-475.	5.6	16
2	Coralliths of tabulate corals from the Devonian of the Holy Cross Mountains (Poland). Palaeogeography, Palaeoclimatology, Palaeoecology, 2022, 585, 110745.	2.3	4
3	A coral spawning calendar for Sesoko Station, Okinawa, Japan. Galaxea, 2022, 24, 41-49.	0.7	10
4	Functional consequences of Palaeozoic reef collapse. Scientific Reports, 2022, 12, 1386.	3.3	7
5	Phylogeography of recent Plesiastrea (Scleractinia: Plesiastreidae) based on an integrated taxonomic approach. Molecular Phylogenetics and Evolution, 2022, 172, 107469.	2.7	6
6	Global warming decreases connectivity among coral populations. Nature Climate Change, 2022, 12, 83-87.	18.8	25
7	Unusual shallow water Devonian coral community from Queensland and its recent analogues from the inshore Great Barrier Reef. Coral Reefs, 2021, 40, 417-431.	2.2	17
8	Environmental constraints on the mode of symbiont transmission in corals. Journal of Experimental Marine Biology and Ecology, 2021, 538, 151499.	1.5	9
9	Latitudinal variation in monthly-scale reproductive synchrony among Acropora coral assemblages in the Indo-Pacific. Coral Reefs, 2021, 40, 1411-1418.	2.2	7
10	No evidence for tropicalization of coral assemblages in a subtropical climate change hot spot. Coral Reefs, 2021, 40, 1451-1461.	2.2	17
11	An Indo-Pacific coral spawning database. Scientific Data, 2021, 8, 35.	5.3	34
12	Factors Limiting the Range Extension of Corals into High-Latitude Reef Regions. Diversity, 2021, 13, 632.	1.7	14
13	Climateâ€driven shift in coral morphological structure predicts decline of juvenile reef fishes. Global Change Biology, 2020, 26, 557-567.	9.5	23
14	Incongruence between life-history traits and conservation status in reef corals. Coral Reefs, 2020, 39, 271-279.	2.2	10
15	An enhanced target-enrichment bait set for Hexacorallia provides phylogenomic resolution of the staghorn corals (Acroporidae) and close relatives. Molecular Phylogenetics and Evolution, 2020, 153, 106944.	2.7	59
16	A step-down photophobic response in coral larvae: implications for the light-dependent distribution of the common reef coral, Acropora tenuis. Scientific Reports, 2020, 10, 17680.	3.3	18
17	Loss of symbiont infectivity following thermal stress can be a factor limiting recovery from bleaching in cnidarians. ISME Journal, 2020, 14, 3149-3152.	9.8	7
18	Multispecific synchronous coral spawning on Pulau Bidong, Malaysia, South China Sea. Bulletin of Marine Science, 2020, 96, 193-194.	0.8	5

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19	Tissue biomass trades off with growth but not reproduction in corals. Coral Reefs, 2020, 39, 1027-1037.	2.2	5
20	Partitioning colony size variation into growth and partial mortality. Biology Letters, 2020, 16, 20190727.	2.3	24
21	Testing biodiversity theory using species richness of reef-building corals across a depth gradient. Biology Letters, 2019, 15, 20190493.	2.3	7
22	Refugia under threat: Mass bleaching of coral assemblages in highâ€latitude eastern Australia. Global Change Biology, 2019, 25, 3918-3931.	9.5	56
23	Morphology and molecules reveal two new species ofPorites(Scleractinia, Poritidae) from the Red Sea and the Gulf of Aden. Systematics and Biodiversity, 2019, 17, 491-508.	1.2	12
24	Green fluorescence from cnidarian hosts attracts symbiotic algae. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 2118-2123.	7.1	48
25	Resolving the depth zonation paradox in reefâ€building corals. Ecology, 2019, 100, e02761.	3.2	16
26	Spatial and Temporal Variation in Fecundity of Acropora spp. in the Northern Great Barrier Reef. Diversity, 2019, 11, 60.	1.7	5
27	Morphological traits can track coral reef responses to the Anthropocene. Functional Ecology, 2019, 33, 962-975.	3.6	59
28	Highâ€frequency sampling and piecewise models reshape dispersal kernels of a common reef coral. Ecology, 2019, 100, e02730.	3.2	7
29	Global warming impairs stockâ€“recruitment dynamics of corals. Nature, 2019, 568, 387-390.	27.8	378
30	Back-to-back coral bleaching events on isolated atolls in the Coral Sea. Coral Reefs, 2019, 38, 713-719.	2.2	44
31	Ecological memory modifies the cumulative impact of recurrent climate extremes. Nature Climate Change, 2019, 9, 40-43.	18.8	253
32	Biogeographical disparity in the functional diversity and redundancy of corals. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3084-3089.	7.1	98
33	Global warming transforms coral reef assemblages. Nature, 2018, 556, 492-496.	27.8	1,173
34	Spatial and temporal patterns of mass bleaching of corals in the Anthropocene. Science, 2018, 359, 80-83.	12.6	1,515
35	Negligible effect of competition on coral colony growth. Ecology, 2018, 99, 1347-1356.	3.2	19
36	Contrasting patterns of changes in abundance following a bleaching event between juvenile and adult scleractinian corals. Coral Reefs, 2018, 37, 527-532.	2.2	25

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37	Synchronous behavioural shifts in reef fishes linked to mass coral bleaching. Nature Climate Change, 2018, 8, 986-991.	18.8	44
38	BioTIME: A database of biodiversity time series for the Anthropocene. Global Ecology and Biogeography, 2018, 27, 760-786.	5.8	289
39	Consequences of Coral Bleaching for Sessile Reef Organisms. Ecological Studies, 2018, , 231-263.	1.2	10
40	Species traits as indicators of coral bleaching. Coral Reefs, 2018, 37, 791-800.	2.2	20
41	Coral tumor-like growth anomalies induce an immune response and reduce fecundity. Diseases of Aquatic Organisms, 2018, 130, 77-81.	1.0	15
42	Abundance and composition of juvenile corals reveals divergent trajectories for coral assemblages across the United Arab Emirates. Marine Pollution Bulletin, 2017, 114, 1031-1035.	5.0	17
43	Coral larvae are poor swimmers and require fine-scale reef structure to settle. Scientific Reports, 2017, 7, 2249.	3.3	92
44	Allometric growth in reef-building corals. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170053.	2.6	51
45	Global warming and recurrent mass bleaching of corals. Nature, 2017, 543, 373-377.	27.8	2,363
46	The Paradox of Environmental Symbiont Acquisition in Obligate Mutualisms. Current Biology, 2017, 27, 3711-3716.e3.	3.9	75
47	A test of trophic cascade theory: fish and benthic assemblages across a predator density gradient on coral reefs. Oecologia, 2017, 183, 161-175.	2.0	38
48	Uncoupling temperature-dependent mortality from lipid depletion for scleractinian coral larvae. Coral Reefs, 2017, 36, 97-104.	2.2	23
49	Rapid coral mortality following unusually calm and hot conditions on Iriomote, Japan. F1000Research, 2017, 6, 1728.	1.6	9
50	Rapid coral mortality following doldrums-like conditions on Iriomote, Japan. F1000Research, 2017, 6, 1728.	1.6	10
51	Cyphastrea salae, a new species of hard coral from Lord Howe Island, Australia (Scleractinia,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.1	14
52	When forms meet genes: revision of the scleractinian genera Micromussa and Homophyllia (Lobophylliidae) with a description of two new species and one new genus. Contributions To Zoology, 2016, 85, 387-422.	0.5	27
53	Scope for latitudinal extension of reef corals is species specific. Frontiers of Biogeography, 2016, 8, .	1.8	1
54	The Coral Trait Database, a curated database of trait information for coral species from the global oceans. Scientific Data, 2016, 3, 160017.	5.3	189

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55	Local bleaching thresholds established by remote sensing techniques vary among reefs with deviating bleaching patterns during the 2012 event in the Arabian/Persian Gulf. Marine Pollution Bulletin, 2016, 105, 654-659.	5.0	39
56	A tropical cleaner wrasse finds new clients at the frontier. Frontiers in Ecology and the Environment, 2016, 14, 110-111.	4.0	3
57	Coral mass spawning predicted by rapid seasonal rise in ocean temperature. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160011.	2.6	78
58	Fecundity and the demographic strategies of coral morphologies. Ecology, 2016, 97, 3485-3493.	3.2	71
59	Species delimitation in the reef coral genera Echinophyllia and Oxypora (Scleractinia, Lobophylliidae) with a description of two new species. Molecular Phylogenetics and Evolution, 2016, 105, 146-159.	2.7	44
60	Environmental factors limiting fertilisation and larval success in corals. Coral Reefs, 2016, 35, 1433-1440.	2.2	8
61	Coral bleaching response index: a new tool to standardize and compare susceptibility to thermal bleaching. Global Change Biology, 2016, 22, 2475-2488.	9.5	75
62	Environmental tolerance governs the presence of reef corals at latitudes beyond reef growth. Global Ecology and Biogeography, 2016, 25, 979-987.	5.8	20
63	A Trait-Based Approach to Advance Coral Reef Science. Trends in Ecology and Evolution, 2016, 31, 419-428.	8.7	161
64	The Point Count Transect Method for Estimates of Biodiversity on Coral Reefs: Improving the Sampling of Rare Species. PLoS ONE, 2016, 11, e0152335.	2.5	12
65	Multi-species spawning synchrony within scleractinian coral assemblages in the Red Sea. Coral Reefs, 2015, 34, 65-77.	2.2	38
66	Cyphastrea kausti sp. n. (Cnidaria, Anthozoa, Scleractinia), a new species of reef coral from the Red Sea. ZooKeys, 2015, 496, 1-13.	1.1	11
67	Very high coral cover at 36Â°S on the east coast of Australia. Coral Reefs, 2015, 34, 327-327.	2.2	3
68	Differential establishment potential of species predicts a shift in coral assemblage structure across a biogeographic barrier. Ecography, 2015, 38, 1225-1234.	4.5	38
69	Latitudinal variation in thermal tolerance thresholds of early life stages of corals. Coral Reefs, 2015, 34, 471-478.	2.2	44
70	Trying to find Nemo: low abundance of sea anemones and anemonefishes on central and southern mid-shelf reefs in the Great Barrier Reef. Marine Biodiversity, 2015, 45, 327-331.	1.0	7
71	Taxonomy and phylogenetic relationships of the coral genera Australomussa and Parascolymia (Scleractinia, Lobophylliidae). Contributions To Zoology, 2014, 83, 195-S7.	0.5	17
72	Mechanical vulnerability explains sizeâ€dependent mortality of reef corals. Ecology Letters, 2014, 17, 1008-1015.	6.4	142

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73	Towards a phylogenetic classification of reef corals: the <scp>I</scp>ndoâ€<scp>P</scp>acific genera <scp>M</scp>erulina,<scp>G</scp>oniastrea and <scp>S</scp>capophyllia (<scp>S</scp>cleractinia, <scp>M</scp>erulinidae). Zoologica Scripta, 2014, 43, 531-548.	1.7	62
74	Increased local retention of reef coral larvae as a result of ocean warming. Nature Climate Change, 2014, 4, 498-502.	18.8	94
75	The reproductive season of Acropora in Socotra, Yemen. F1000Research, 2014, 3, 78.	1.6	5
76	The reproductive season of scleractinian corals in Socotra, Yemen. F1000Research, 2014, 3, 78.	1.6	3
77	Influence of fish grazing and sedimentation on the early post-settlement survival of the tabular coral Acropora cytherea. Coral Reefs, 2013, 32, 1051-1059.	2.2	53
78	Acanthaster planci is a major cause of coral mortality in Indonesia. Coral Reefs, 2013, 32, 803-812.	2.2	110
79	The promiscuous larvae: flexibility in the establishment of symbiosis in corals. Coral Reefs, 2013, 32, 111-120.	2.2	89
80	Faunal breaks and species composition of Indo-Pacific corals: the role of plate tectonics, environment and habitat distribution. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130818.	2.6	87
81	Variation in the size structure of corals is related to environmental extremes in the Persian Gulf. Marine Environmental Research, 2013, 84, 43-50.	2.5	45
82	Chromera velia is Endosymbiotic in Larvae of the Reef Corals Acropora digitifera and A. tenuis. Protist, 2013, 164, 237-244.	1.5	68
83	Effects of delayed settlement on post-settlement growth and survival of scleractinian coral larvae. Oecologia, 2013, 173, 431-438.	2.0	31
84	Rapid declines in metabolism explain extended coral larval longevity. Coral Reefs, 2013, 32, 539-549.	2.2	35
85	Synthesizing larval competence dynamics and reefâ€scale retention reveals a high potential for selfâ€recruitment in corals. Ecology, 2013, 94, 650-659.	3.2	91
86	Coral reproduction in a high-latitude, marginal reef environment (Moreton Bay, south-east) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td	0.8	11
87	Recovery of an Isolated Coral Reef System Following Severe Disturbance. Science, 2013, 340, 69-71.	12.6	462
88	Depth-dependent mortality of reef corals following a severe bleaching event: implications for thermal refuges and population recovery. F1000Research, 2013, 2, 187.	1.6	27
89	Depth-dependent mortality of reef corals following a severe bleaching event: implications for thermal refuges and population recovery. F1000Research, 2013, 2, 187.	1.6	35
90	A pre-zygotic barrier to hybridization in two con-generic species of scleractinian corals. F1000Research, 2013, 2, 193.	1.6	1

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91	The role of habitat creation in coral reef conservation: a case study from Aceh, Indonesia. Oryx, 2012, 46, 501-507.	1.0	26
92	The Coral Triangle Initiative: what are we missing? A case study from Aceh. Oryx, 2012, 46, 482-485.	1.0	18
93	Avoiding conflicts and protecting coral reefs: customary management benefits marine habitats and fish biomass. Oryx, 2012, 46, 486-494.	1.0	26
94	Contrasting Patterns of Coral Bleaching Susceptibility in 2010 Suggest an Adaptive Response to Thermal Stress. PLoS ONE, 2012, 7, e33353.	2.5	409
95	Coral recovery may not herald the return of fishes on damaged coral reefs. Oecologia, 2012, 170, 567-573.	2.0	52
96	Comanagement of coral reef social-ecological systems. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5219-5222.	7.1	400
97	Immunity through early development of coral larvae. Developmental and Comparative Immunology, 2012, 38, 395-399.	2.3	7
98	Pole-ward range expansion of Acropora spp. along the east coast of Australia. Coral Reefs, 2012, 31, 1063-1063.	2.2	106
99	Sexual systems in scleractinian corals: an unusual pattern in the reef-building species Diploastrea heliopora. Coral Reefs, 2012, 31, 705-713.	2.2	29
100	Recurrent Disturbances and the Degradation of Hard Coral Communities in Taiwan. PLoS ONE, 2012, 7, e44364.	2.5	48
101	Weak Compliance Undermines the Success of No-Take Zones in a Large Government-Controlled Marine Protected Area. PLoS ONE, 2012, 7, e50074.	2.5	74
102	Broadcast Spawning by Pocillopora Species on the Great Barrier Reef. PLoS ONE, 2012, 7, e50847.	2.5	68
103	Ontogenetic change in the lipid and fatty acid composition of scleractinian coral larvae. Coral Reefs, 2012, 31, 613-619.	2.2	64
104	Assembly Rules of Reef Corals Are Flexible along a Steep Climatic Gradient. Current Biology, 2012, 22, 736-741.	3.9	81
105	Correlated evolution of sex and reproductive mode in corals (Anthozoa: Scleractinia). Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 75-81.	2.6	79
106	From microbes to people. Oceanography and Marine Biology, 2011, , .	1.0	23
107	Cleaning up the 'Bigmessidae': Molecular phylogeny of scleractinian corals from Faviidae, Merulinidae, Pectiniidae and Trachyphylliidae. BMC Evolutionary Biology, 2011, 11, 37.	3.2	94
108	Coral reproduction in the worldâ€™s warmest reefs: southern Persian Gulf (Dubai, United Arab) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	2.2	49

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109	Shifting base-lines, declining coral cover, and the erosion of reef resilience: comment on Sweatman et al. (2011). Coral Reefs, 2011, 30, 653-660.	2.2	86
110	Seasonality of coral reproduction in the Dampier Archipelago, northern Western Australia. Marine Biology, 2011, 158, 275-285.	1.5	37
111	Synchronous reproduction of corals in the Red Sea. Coral Reefs, 2010, 29, 119-124.	2.2	31
112	Estimating dispersal potential for marine larvae: dynamic models applied to scleractinian corals. Ecology, 2010, 91, 3572-3583.	3.2	161
113	Shelter from the storm? Use and misuse of coastal vegetation bioshields for managing natural disasters. Conservation Letters, 2010, 3, 1-11.	5.7	156
114	Reproductive Synchrony inAcroporaAssemblages on Reefs of New Caledonia. Pacific Science, 2010, 64, 405-412.	0.6	17
115	Reply to â€˜Using remote sensing to assess the protective role of coastal woody vegetation against tsunami wavesâ€™. International Journal of Remote Sensing, 2009, 30, 3817-3820.	2.9	12
116	Do mangroves provide an effective barrier to storm surges?. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, E111; author reply E112.	7.1	34
117	Does vegetation prevent wave erosion of salt marsh edges?. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 10109-10113.	7.1	215
118	Coral bleaching: the role of the host. Trends in Ecology and Evolution, 2009, 24, 16-20.	8.7	461
119	Systematic and Biogeographical Patterns in the Reproductive Biology of Scleractinian Corals. Annual Review of Ecology, Evolution, and Systematics, 2009, 40, 551-571.	8.3	590
120	Selective coral mortality associated with outbreaks of Acanthaster planci L. in Bootless Bay, Papua New Guinea. Marine Environmental Research, 2009, 67, 230-236.	2.5	91
121	Latitudinal variation in reproductive synchrony in Acropora assemblages: Japan vs. Australia. Galaxea, 2009, 11, 101-108.	0.7	35
122	Landscape analysis and tsunami damage in Aceh: comment on Iverson and Prasad (2007). Landscape Ecology, 2008, 23, 3-5.	4.2	30
123	Survival dynamics of scleractinian coral larvae and implications for dispersal. Coral Reefs, 2008, 27, 529-539.	2.2	232
124	Revisiting the Cassandra syndrome; the changing climate of coral reef research. Coral Reefs, 2008, 27, 745-749.	2.2	30
125	ReefTemp: An interactive monitoring system for coral bleaching using highâ€resolution SST and improved stress predictors. Geophysical Research Letters, 2008, 35, .	4.0	81
126	Coral Adaptation in the Face of Climate Change. Science, 2008, 320, 315-316.	12.6	37

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127	From molecules to moonbeams: Spawning synchrony in coral reef organisms. Invertebrate Reproduction and Development, 2008, 51, 145-149.	0.8	18
128	Adaptive Management of the Great Barrier Reef and the Grand Canyon World Heritage Areas. Ambio, 2007, 36, 586-592.	5.5	77
129	Natural Barriers to Natural Disasters. BioScience, 2007, 57, 102-103.	4.9	76
130	Declines in the abundance of Chaetodon butterflyfishes following extensive coral depletion. Journal of Fish Biology, 2006, 69, 1269-1280.	1.6	176
131	Daytime gamete release from the reef-building coral, Pavona sp., in the Gulf of Thailand. Coral Reefs, 2006, 25, 72-72.	2.2	11
132	Fluorescence census techniques for the early detection of coral recruits. Coral Reefs, 2006, 25, 73-76.	2.2	59
133	Comments on â€œCoastal mangrove forests mitigated tsunamiâ€•by K. Kathiresan and N. Rajendran [Estuar. Coast. Shelf Sci. 65 (2005) 601â€“606]. Estuarine, Coastal and Shelf Science, 2006, 67, 539-541.	2.1	92
134	Acehnese Reefs in the Wake of the Asian Tsunami. Current Biology, 2005, 15, 1926-1930.	3.9	85
135	Reproductive seasonality in an equatorial assemblage of scleractinian corals. Coral Reefs, 2005, 24, 112-116.	2.2	72
136	Ontogenetic change in the abundance of mycosporine-like amino acids in non-zooxanthellate coral larvae. Coral Reefs, 2005, 24, 443-452.	2.2	16
137	An evaluation of the antimicrobial properties of the eggs of 11 species of scleractinian corals. Coral Reefs, 2005, 24, 248-253.	2.2	33
138	Seasonal reproduction in equatorial reef corals. Invertebrate Reproduction and Development, 2005, 48, 207-218.	0.8	84
139	Induction of metamorphosis in larvae of the brooding corals Acropora palifera and Stylophora pistillata. Marine and Freshwater Research, 2004, 55, 469.	1.3	74
140	Comparing bleaching and mortality responses of hard corals between southern Kenya and the Great Barrier Reef, Australia. Marine Pollution Bulletin, 2004, 48, 327-335.	5.0	209
141	Reseeding the reefs of Okinawa with the larvae of captive-bred corals. Coral Reefs, 2003, 22, 34-34.	2.2	8
142	Climate Change, Human Impacts, and the Resilience of Coral Reefs. Science, 2003, 301, 929-933.	12.6	3,124
143	Coral Reef Biodiversity and Conservation. Science, 2002, 296, 1026-1028.	12.6	14
144	DETECTING REGIONAL VARIATION USING META-ANALYSIS AND LARGE-SCALE SAMPLING: LATITUDINAL PATTERNS IN RECRUITMENT. Ecology, 2002, 83, 436-451.	3.2	99

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145	Detecting Regional Variation Using Meta-Analysis and Large-Scale Sampling: Latitudinal Patterns in Recruitment. Ecology, 2002, 83, 436.	3.2	2
146	Short Communication: Variable palatability of coral eggs to a planktivorous fish. Marine and Freshwater Research, 2001, 52, 865.	1.3	16
147	Bleaching of corals on the Great Barrier Reef: differential susceptibilities among taxa. Coral Reefs, 2000, 19, 155-163.	2.2	830
148	Morphological differences among three species of newly settled pocilloporid coral recruits. , 2000, 19, 179-183.		32
149	SUPPLY-SIDE ECOLOGY WORKS BOTH WAYS: THE LINK BETWEEN BENTHIC ADULTS, FECUNDITY, AND LARVAL RECRUITS. Ecology, 2000, 81, 2241-2249.	3.2	347
150	SUPPLY-SIDE ECOLOGY WORKS BOTH WAYS: THE LINK BETWEEN BENTHIC ADULTS, FECUNDITY, AND LARVAL RECRUITS. , 2000, 81, 2241.		1
151	Patterns of recruitment and abundance of corals along the Great Barrier Reef. Nature, 1999, 397, 59-63.	27.8	321
152	Depth-dependent mortality of reef corals following a severe bleaching event: implications for thermal refuges and population recovery. F1000Research, 0, 2, 187.	1.6	31