Timothy G Barraclough

List of Publications by Year
in descending order

114	14,735	38742 50	31849 101
papers	citations	h-index	g-index

128	128	128	15312
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sequence-Based Species Delimitation for the DNA Taxonomy of Undescribed Insects. Systematic Biology, 2006, 55, 595-609.	5.6	2,257
2	Delimiting Species Using Single-Locus Data and the Generalized Mixed Yule Coalescent Approach: A Revised Method and Evaluation on Simulated Data Sets. Systematic Biology, 2013, 62, 707-724.	5.6	1,210
3	DNA barcoding the floras of biodiversity hotspots. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 2923-2928.	7.1	749
4	A Comprehensive Phylogeny of Beetles Reveals the Evolutionary Origins of a Superradiation. Science, 2007, 318, 1913-1916.	12.6	729
5	Accelerated Species Inventory on Madagascar Using Coalescent-Based Models of Species Delineation. Systematic Biology, 2009, 58, 298-311.	5.6	641
6	Darwin's abominable mystery: Insights from a supertree of the angiosperms. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 1904-1909.	7.1	547
7	Detecting the Geographical Pattern of Speciation from Species‐Level Phylogenies. American Naturalist, 2000, 155, 419-434.	2.1	503
8	A proposal for a standardised protocol to barcode all land plants. Taxon, 2007, 56, 295-299.	0.7	457
9	Phylogenetics and speciation. Trends in Ecology and Evolution, 2001, 16, 391-399.	8.7	395
10	The Effect of Geographical Scale of Sampling on DNA Barcoding. Systematic Biology, 2012, 61, 851-869.	5.6	386
11	Speciation Has a Spatial Scale That Depends on Levels of Gene Flow. American Naturalist, 2010, 175, 316-334.	2.1	379
12	Species Interactions Alter Evolutionary Responses to a Novel Environment. PLoS Biology, 2012, 10, e1001330.	5.6	336
13	Independently Evolving Species in Asexual Bdelloid Rotifers. PLoS Biology, 2007, 5, e87.	5.6	311
14	The widely used small subunit 18S rDNA molecule greatly underestimates true diversity in biodiversity surveys of the meiofauna. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 16208-16212.	7.1	308
15	Rate heterogeneity among lineages of tracheophytes: Integration of molecular and fossil data and evidence for molecular living fossils. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 4430-4435.	7.1	226
16	Environmental energy and evolutionary rates in flowering plants. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 2195-2200.	2.6	194
17	Species co-existence and character divergence across carnivores. Ecology Letters, 2007, 10, 146-152.	6.4	192
18	Revealing the factors that promote speciation. Philosophical Transactions of the Royal Society B: Biological Sciences, 1998, 353, 241-249.	4.0	182

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19	EVOLUTIONARY RATES AND SPECIES DIVERSITY IN FLOWERING PLANTS. Evolution; International Journal of Organic Evolution, 2001, 55, 677.	2.3	182
20	The Effects of Above- and Belowground Mutualisms on Orchid Speciation and Coexistence. American Naturalist, 2011, 177, E54-E68.	2.1	182
21	Effects of phylogenetic reconstruction method on the robustness of species delimitation using singleâ€locus data. Methods in Ecology and Evolution, 2014, 5, 1086-1094.	5.2	182
22	Causes of Plant Diversification in the Cape Biodiversity Hotspot of South Africa. Systematic Biology, 2011, 60, 343-357.	5.6	180
23	DIVERSIFICATION IN SEXUAL AND ASEXUAL ORGANISMS. Evolution; International Journal of Organic Evolution, 2003, 57, 2166-2172.	2.3	164
24	Extreme levels of hidden diversity in microscopic animals (Rotifera) revealed by DNA taxonomy. Molecular Phylogenetics and Evolution, 2009, 53, 182-189.	2.7	160
25	Biochemical Diversification through Foreign Gene Expression in Bdelloid Rotifers. PLoS Genetics, 2012, 8, e1003035.	3.5	143
26	Radiation in the Cape flora and the phylogeny of peacock irises Moraea (Iridaceae) based on four plastid DNA regions. Molecular Phylogenetics and Evolution, 2002, 25, 341-360.	2.7	135
27	Testing Darwinâ€™s naturalization hypothesis in the Azores. Ecology Letters, 2011, 14, 389-396.	6.4	127
28	Evolution of species interactions determines microbial community productivity in new environments. ISME Journal, 2015, 9, 1235-1245.	9.8	124
29	How Do Species Interactions Affect Evolutionary Dynamics Across Whole Communities?. Annual Review of Ecology, Evolution, and Systematics, 2015, 46, 25-48.	8.3	123
30	Recent Diversification Rates in North American Tiger Beetles Estimated from a Dated mtDNA Phylogenetic Tree. Molecular Biology and Evolution, 2002, 19, 1706-1716.	8.9	121
31	Bacterial adaptation is constrained in complex communities. Nature Communications, 2020, 11, 754.	12.8	111
32	The effects of temperature, pH and sulphide on the community structure of hyperthermophilic streamers in hot springs of northern Thailand. FEMS Microbiology Ecology, 2007, 60, 456-466.	2.7	108
33	DIVERSIFICATION OF THE AFRICAN GENUSPROTEA(PROTEACEAE) IN THE CAPE BIODIVERSITY HOTSPOT AND BEYOND: EQUAL RATES IN DIFFERENT BIOMES. Evolution; International Journal of Organic Evolution, 2010, 64, 745-760.	2.3	108
34	Speciation and DNA barcodes: testing the effects of dispersal on the formation of discrete sequence clusters. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 2987-2996.	4.0	104
35	Molecular evidence for broadâ€scale distributions in bdelloid rotifers: everything is not everywhere but most things are very widespread. Molecular Ecology, 2008, 17, 3136-3146.	3.9	103
36	Resource-dependent attenuation of species interactions during bacterial succession. ISME Journal, 2016, 10, 2259-2268.	9.8	96

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37	Testing whether ecological factors promote cladogenesis in a group of tiger beetles (Coleoptera:) Tj ETQq1 1 0.784314 rgBT /Overloc	2.6	87
38	THE GEOGRAPHICAL PATTERN OF SPECIATION AND FLORAL DIVERSIFICATION IN THE NEOTROPICS: THE TRIBE SINNINGIEAE (GESNERIACEAE) AS A CASE STUDY. Evolution; International Journal of Organic Evolution, 2007, 61, 1641-1660.	2.3	86
39	Tempo and Mode of Diversification of Lake Tanganyika Cichlid Fishes. PLoS ONE, 2008, 3, e1730.	2.5	78
40	Comparative genomics of bdelloid rotifers: Insights from desiccating and nondesiccating species. PLoS Biology, 2018, 16, e2004830.	5.6	78
41	Horizontal gene transfer in bdelloid rotifers is ancient, ongoing and more frequent in species from desiccating habitats. BMC Biology, 2015, 13, 90.	3.8	76
42	Inferring evolutionarily significant units of bacterial diversity from broad environmental surveys of single-locus data. Biology Letters, 2009, 5, 425-428.	2.3	73
43	A phylogenomic analysis of Nepenthes (Nepenthaceae). Molecular Phylogenetics and Evolution, 2020, 144, 106668.	2.7	68
44	Evidence for Inefficient Selection Against Deleterious Mutations in Cytochrome Oxidase I of Asexual Bdelloid Rotifers. Molecular Biology and Evolution, 2007, 24, 1952-1962.	8.9	64
45	Bacterial recombination promotes the evolution of multi-drug-resistance in functionally diverse populations. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 1477-1484.	2.6	64
46	Cryptic diversity in the genus Adineta Hudson & Gosse, 1886 (Rotifera: Bdelloidea: Adinetidae): a DNA taxonomy approach. Hydrobiologia, 2011, 662, 27-33.	2.0	61
47	The evolutionary reality of higher taxa in mammals. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20132750.	2.6	60
48	Sampling Error Does Not Invalidate the Yule-Coalescent Model for Species Delimitation. A Response to Lohse (2009). Systematic Biology, 2009, 58, 442-444.	5.6	59
49	The geographic scale of speciation in a marine snail with high dispersal potential. Journal of Biogeography, 2011, 38, 1016-1032.	3.0	58
50	A Rapid and Scalable Method for Multilocus Species Delimitation Using Bayesian Model Comparison and Rooted Triplets. Systematic Biology, 2016, 65, 759-771.	5.6	56
51	Prebiotics Modulate the Effects of Antibiotics on Gut Microbial Diversity and Functioning in Vitro. Nutrients, 2015, 7, 4480-4497.	4.1	55
52	Evolving entities: towards a unified framework for understanding diversity at the species and higher levels. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 1801-1813.	4.0	53
53	Asexual Speciation. , 2009, , 201-216.		46
54	Environmental causes for plant biodiversity gradients. Philosophical Transactions of the Royal Society B: Biological Sciences, 2004, 359, 1645-1656.	4.0	44

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55	Using Exon and Intron Sequences of the Gene Mp20 to Resolve Basal Relationships in Cicindela (Coleoptera:Cicindelidae). Systematic Biology, 2004, 53, 554-570.	5.6	43
56	Environment, Area, and Diversification in the Speciesâ€Rich Flowering Plant Family Iridaceae. American Naturalist, 2005, 166, 418-425.	2.1	42
57	Spatial Predictions of Phylogenetic Diversity in Conservation Decision Making. Conservation Biology, 2011, 25, 1229-1239.	4.7	39
58	The role of hosts, plasmids and environment in determining plasmid transfer rates: A meta-analysis. Plasmid, 2020, 108, 102489.	1.4	39
59	What can phylogenetics tell us about speciation in the Cape flora?. Diversity and Distributions, 2006, 12, 21-26.	4.1	38
60	Different Diversification Rates Between Sexual and Asexual Organisms. Evolutionary Biology, 2012, 39, 262-270.	1.1	37
61	Deep mtDNA subdivision within Linnean species in an endemic radiation of tiger beetles from New Zealand (genus Neocicindela). Molecular Phylogenetics and Evolution, 2011, 59, 251-262.	2.7	36
62	SEXUAL SPECIES ARE SEPARATED BY LARGER GENETIC GAPS THAN ASEXUAL SPECIES IN ROTIFERS. Evolution; International Journal of Organic Evolution, 2014, 68, 2901-2916.	2.3	35
63	The evolutionary reality of species and higher taxa in plants: a survey of postâ€modern opinion and evidence. New Phytologist, 2015, 207, 291-296.	7.3	34
64	Is Amazonia a â€˜museumâ€™ for Neotropical trees? The evolution of the Brownea clade (Detarioideae,) Tj ETQq0 0 0 rgBT /Overlock 10	2.7	34
65	Evolving Concepts of Bacterial Species. Evolutionary Biology, 2012, 39, 148-157.	1.1	33
66	Phytoplankton thermal responses adapt in the absence of hard thermodynamic constraints. Evolution; International Journal of Organic Evolution, 2020, 74, 775-790.	2.3	32
67	Pollinators underestimated: A molecular phylogeny reveals widespread floral convergence in oil-secreting orchids (sub-tribe Coryciinae) of the Cape of South Africa. Molecular Phylogenetics and Evolution, 2009, 51, 100-110.	2.7	30
68	Cross-Contamination Explains â€œInter and Intraspecific Horizontal Genetic Transfersâ€•between Asexual Bdelloid Rotifers. Current Biology, 2018, 28, 2436-2444.e14.	3.9	30
69	TESTING THE LINK BETWEEN POPULATION GENETIC DIFFERENTIATION AND CLADE DIVERSIFICATION IN COSTA RICAN ORCHIDS. Evolution; International Journal of Organic Evolution, 2012, 66, 3035-3052.	2.3	29
70	EVOLUTIONARY RATES AND SPECIES DIVERSITY IN FLOWERING PLANTS. Evolution; International Journal of Organic Evolution, 2001, 55, 677-683.	2.3	28
71	Species richness: Does flower power explain beetle-mania?. Current Biology, 1998, 8, R843-R845.	3.9	27
72	Impacts of Plant-Based Foods in Ancestral Hominin Diets on the Metabolism and Function of Gut Microbiota In Vitro. MBio, 2014, 5, e00853-14.	4.1	27

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73	Evolutionary dynamics of transposable elements in bdelloid rotifers. ELife, 2021, 10, .	6.0	26
74	Exploring Rate Variation Among and Within Sites in a Densely Sampled Tree: Species Level Phylogenetics of North American Tiger Beetles (Genus Cicindela). Systematic Biology, 2005, 54, 4-20.	5.6	25
75	Ecology has contrasting effects on genetic variation within species versus rates of molecular evolution across species in water beetles. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20142476.	2.6	25
76	Inconsistent estimates of diversity between traditional and DNA taxonomy in bdelloid rotifers. Organisms Diversity and Evolution, 2009, 9, 3-12.	1.6	23
77	Late <scp>M</scp>iocene lineage divergence and ecological differentiation of rare endemic <scp>J</scp>uniperus blancoi: clues for the diversification of <scp>N</scp>orth <scp>A</scp>merican conifers. New Phytologist, 2014, 203, 335-347.	7.3	23
78	Saturating effects of species diversity on life-history evolution in bacteria. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20151794.	2.6	23
79	Introgression across evolutionary scales suggests reticulation contributes to Amazonian tree diversity. Molecular Ecology, 2020, 29, 4170-4185.	3.9	23
80	Molecular Phylogeny of the Cicindela maritima (Coleoptera: Cicindelidae) Group Indicates Fast Radiation in Western North America. Annals of the Entomological Society of America, 1998, 91, 185-194.	2.5	22
81	On the reality and recognisability of asexual organisms: morphological analysis of the masticatory apparatus of bdelloid rotifers. Zoologica Scripta, 2007, 36, 361-370.	1.7	22
82	Adaptive evolution shapes the present-day distribution of the thermal sensitivity of population growth rate. PLoS Biology, 2020, 18, e3000894.	5.6	21
83	Quantifying the effects of the break up of Pangaea on global terrestrial diversification with neutral theory. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150221.	4.0	20
84	Do Species Exist in Asexuals? Theory and Evidence from Bdelloid Rotifers. Integrative and Comparative Biology, 2015, 55, 253-263.	2.0	18
85	Evolution of resource use along a gradient of stress leads to increased facilitation. Oikos, 2016, 125, 1284-1295.	2.7	15
86	Why do species exist? Insights from sexuals and asexuals. Zoology, 2003, 106, 275-282.	1.2	14
87	The Effect of Immigration on the Adaptation of Microbial Communities to Warming. American Naturalist, 2016, 187, 236-248.	2.1	14
88	Testing for evidence of inefficient selection in bdelloid rotifers: do sample size and habitat differences matter?. Hydrobiologia, 2011, 662, 19-25.	2.0	13
89	Multiple functionally divergent and conserved copies of alpha tubulin in bdelloid rotifers. BMC Evolutionary Biology, 2012, 12, 148.	3.2	13
90	Comparative genomics of Alexander Flemingâ€™s original Penicillium isolate (IMI 15378) reveals sequence divergence of penicillin synthesis genes. Scientific Reports, 2020, 10, 15705.	3.3	12

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91	Evidence linking lifeâ€form to a major shift in diversification rate inCrassula. American Journal of Botany, 2022, 109, 272-290.	1.7	11
92	DIVERSIFICATION IN SEXUAL AND ASEXUAL ORGANISMS. Evolution; International Journal of Organic Evolution, 2003, 57, 2166.	2.3	10
93	Do Global Diversity Patterns of Vertebrates Reflect Those of Monocots?. PLoS ONE, 2013, 8, e56979.	2.5	10
94	Predicting future speciation. , 2001, , 400-418.		9
95	The role of recombination, nicheâ€specific gene pools and flexible genomes in the ecological speciation of bacteria. Ecology and Evolution, 2019, 9, 4544-4556.	1.9	9
96	Historical genomics reveals the evolutionary mechanisms behind multiple outbreaks of the host-specific coffee wilt pathogen Fusarium xylarioides. BMC Genomics, 2021, 22, 404.	2.8	9
97	A faunistic survey of bdelloid rotifers in Turkey. Zoology in the Middle East, 2009, 48, 114-116.	0.6	8
98	Mosaic genetic differentiation along environmental and geographic gradients indicate divergent selection in a white pine species complex. Evolutionary Ecology, 2015, 29, 733-748.	1.2	7
99	The evolutionary nature of diversification in sexuals and asexuals. , 2001, , 29-45.		6
100	Detecting evolutionarily significant units above the species level using the generalised mixed Yule coalescent method. Methods in Ecology and Evolution, 2016, 7, 1366-1375.	5.2	5
101	Global monocot diversification: geography explains variation in species richness better than environment or biology. Botanical Journal of the Linnean Society, 2016, , .	1.6	4
102	Species matter for predicting the functioning of evolving microbial communities â€“ An eco-evolutionary model. PLoS ONE, 2019, 14, e0218692.	2.5	4
103	Function is a better predictor of plant rhizosphere community membership than <scp>16S</scp> phylogeny. Environmental Microbiology, 2021, 23, 6089-6103.	3.8	3
104	Evolution: Groundhog Day for a Lab Bacterium. Current Biology, 2020, 30, R1484-R1486.	3.9	0
105	Title is missing!. , 2020, 18, e3000894.		0
106	Title is missing!. , 2020, 18, e3000894.		0
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109	Title is missing!. , 2020, 18, e3000894.		0
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