

Mark de Bruyn

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

55
papers

2,765
citations

21
h-index

52
g-index

68
ext. papers

3,392
ext. citations

5
avg. IF

4.79
L-index

#	Paper	IF	Citations
55	Environmental DNA for wildlife biology and biodiversity monitoring. <i>Trends in Ecology and Evolution</i> , 2014 , 29, 358-67	10.9	623
54	Biogeography of the Indo-Australian Archipelago. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2011 , 42, 205-226	13.5	306
53	Borneo and Indochina are major evolutionary hotspots for Southeast Asian biodiversity. <i>Systematic Biology</i> , 2014 , 63, 879-901	8.4	190
52	Environmental selection on transcriptome-derived SNPs in a high gene flow marine fish, the Atlantic herring (<i>Clupea harengus</i>). <i>Molecular Ecology</i> , 2012 , 21, 3686-703	5.7	173
51	Gene-associated markers provide tools for tackling illegal fishing and false eco-certification. <i>Nature Communications</i> , 2012 , 3, 851	17.4	171
50	Looking forward through the past: identification of 50 priority research questions in palaeoecology. <i>Journal of Ecology</i> , 2014 , 102, 256-267	6	168
49	Acidity promotes degradation of multi-species environmental DNA in lotic mesocosms. <i>Communications Biology</i> , 2018 , 1, 4	6.7	116
48	Phylogeographic evidence for the existence of an ancient biogeographic barrier: the Isthmus of Kra Seaway. <i>Heredity</i> , 2005 , 94, 370-8	3.6	103
47	Fish product mislabelling: failings of traceability in the production chain and implications for illegal, unreported and unregulated (IUU) fishing. <i>PLoS ONE</i> , 2014 , 9, e98691	3.7	101
46	Rapid response of a marine mammal species to holocene climate and habitat change. <i>PLoS Genetics</i> , 2009 , 5, e1000554	6	76
45	Huxley's line demarcates extensive genetic divergence between eastern and western forms of the giant freshwater prawn, <i>Macrobrachium rosenbergii</i> . <i>Molecular Phylogenetics and Evolution</i> , 2004 , 30, 251-7	4.1	71
44	Faunal histories from Holocene ancient DNA. <i>Trends in Ecology and Evolution</i> , 2011 , 26, 405-13	10.9	66
43	Detection of introduced and resident marine species using environmental DNA metabarcoding of sediment and water. <i>Scientific Reports</i> , 2019 , 9, 11559	4.9	57
42	DNA barcoding reveals cryptic diversity within commercially exploited Indo-Malay Carangidae (Teleostei: Perciformes). <i>PLoS ONE</i> , 2012 , 7, e49623	3.7	57
41	Paleo-drainage basin connectivity predicts evolutionary relationships across three Southeast Asian biodiversity hotspots. <i>Systematic Biology</i> , 2013 , 62, 398-410	8.4	53
40	Reconciling geography and genealogy: phylogeography of giant freshwater prawns from the Lake Carpentaria region. <i>Molecular Ecology</i> , 2004 , 13, 3515-26	5.7	48
39	Molecular signatures of Pleistocene sea-level changes that affected connectivity among freshwater shrimp in Indo-Australian waters. <i>Molecular Ecology</i> , 2007 , 16, 4295-307	5.7	47

38	On the biogeography of Centipeda: a species-tree diffusion approach. <i>Systematic Biology</i> , 2014 , 63, 178-814	3.1	32
37	Patterns of molecular diversity in wild stocks of the redclaw crayfish (<i>Cherax quadricarinatus</i>) from northern Australia and Papua New Guinea: impacts of Plio-Pleistocene landscape evolution. <i>Freshwater Biology</i> , 2008 , 53, 1592-1605	3.1	30
36	Microsatellite loci in the eastern form of the giant freshwater prawn (<i>Macrobrachium rosenbergii</i>). <i>Molecular Ecology Notes</i> , 2005 , 5, 308-310		26
35	Executing multi-taxa eDNA ecological assessment via traditional metrics and interactive networks. <i>Science of the Total Environment</i> , 2020 , 729, 138801	10.2	22
34	Impacts of climatic factors on evolution of molecular diversity and the natural distribution of wild stocks of the giant freshwater prawn (<i>Macrobrachium rosenbergii</i>). <i>Freshwater Science</i> , 2014 , 33, 217-237		17
33	Plio-Pleistocene phylogeography of the Southeast Asian Blue Panchax killifish, <i>Aplocheilichthys panchax</i> . <i>PLoS ONE</i> , 2017 , 12, e0179557	3.7	14
32	Stepping stones to isolation: Impacts of a changing climate on the connectivity of fragmented fish populations. <i>Evolutionary Applications</i> , 2018 , 11, 978-994	4.8	14
31	DNA Barcoding Reveals High Cryptic Diversity of the Freshwater Halfbeak Genus <i>Hemirhamphodon</i> from Sundaland. <i>PLoS ONE</i> , 2016 , 11, e0163596	3.7	14
30	Phylogenomics and species delimitation for effective conservation of manta and devil rays. <i>Molecular Ecology</i> , 2020 , 29, 4783-4796	5.7	14
29	Metabarcoding for stomach-content analyses of Pygmy devil ray (: Comparing tissue and ethanol preservative-derived DNA. <i>Ecology and Evolution</i> , 2019 , 9, 2678-2687	2.8	12
28	Exploring hidden diversity in Southeast Asia's <i>Dermogenys</i> spp. (Belontiiformes: Zenarchopteridae) through DNA barcoding. <i>Scientific Reports</i> , 2018 , 8, 10787	4.9	12
27	The linking of plate tectonics and evolutionary divergence. <i>Current Biology</i> , 2013 , 23, R603-5	6.3	11
26	Population differentiation in the context of Holocene climate change for a migratory marine species, the southern elephant seal. <i>Journal of Evolutionary Biology</i> , 2016 , 29, 1667-79	2.3	11
25	Time and space in biogeography: response to Parenti & Ebach (2013). <i>Journal of Biogeography</i> , 2013 , 40, 2204-2206	4.1	10
24	The complex evolutionary history and phylogeography of <i>Caridina typus</i> (Crustacea: Decapoda): long-distance dispersal and cryptic allopatric species. <i>Scientific Reports</i> , 2017 , 7, 9044	4.9	8
23	Rapid increase in southern elephant seal genetic diversity after a founder event. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014 , 281, 20133078	4.4	8
22	Successful extraction of DNA from archived alcohol-fixed white-eye fish specimens using an ancient DNA protocol. <i>Journal of Fish Biology</i> , 2011 , 78, 2074-9	1.9	8
21	Animals, protists and bacteria share marine biogeographic patterns. <i>Nature Ecology and Evolution</i> , 2021 , 5, 738-746	12.3	8

20	Comparative genetic stock structure in three species of commercially exploited Indo-Malay Carangidae (Teleostei, Perciformes). <i>Journal of Fish Biology</i> , 2020 , 96, 337-349	1.9	7
19	Environmental DNA provides higher resolution assessment of riverine biodiversity and ecosystem function via spatio-temporal nestedness and turnover partitioning. <i>Communications Biology</i> , 2021 , 4, 512	6.7	6
18	Molecular biogeography and phylogeography of the freshwater fauna of the Indo-Australian Archipelago	316-347	
17	Managing human-mediated range shifts: understanding spatial, temporal and genetic variation in marine non-native species.. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022 , 377, 20210025	5.8	5
16	Range-wide genomic data synthesis reveals transatlantic vicariance and secondary contact in Atlantic cod. <i>Ecology and Evolution</i> , 2018 , 8, 12140-12152	2.8	5
15	Anonymous nuclear markers for the African adders (Serpentes: Viperidae: Bitis). <i>Conservation Genetics Resources</i> , 2012 , 4, 967-969	0.8	4
14	Suggestions for a molecular biodiversity assessment of South East Asian freshwater invertebrates. Lessons from the megadiverse beetles (Coleoptera). <i>Journal of Limnology</i> , 2013 , 72,	1.5	4
13	Anonymous nuclear markers for the Blue Panchax killifish (Aplocheilichthys panchax). <i>Conservation Genetics Resources</i> , 2011 , 3, 53-55	0.8	4
12	Mummified and skeletal southern elephant seals (Mirounga leonina) from the Victoria Land Coast, Ross Sea, Antarctica. <i>Marine Mammal Science</i> , 2019 , 35, 934-956	1.9	3
11	Anonymous nuclear markers for SouthEast Asian halfbeak fishes (Dermogenys). <i>Conservation Genetics Resources</i> , 2010 , 2, 325-327	0.8	3
10	How mountains and elevations shape the spatial distribution of beetles in Peninsular Malaysia. <i>Scientific Reports</i> , 2021 , 11, 5791	4.9	3
9	Anonymous nuclear markers for halfbeak fishes of the genus Hemirhamphodon. <i>Conservation Genetics Resources</i> , 2011 , 3, 155-157	0.8	2
8	Consistent marine biogeographic boundaries across the tree of life despite centuries of human impacts		2
7	An invasion in slow motion: the spread of invasive cane toads (Rhinella marina) into cooler climates in southern Australia. <i>Biological Invasions</i> ,	2.7	2
6	Evolutionary history of a Scottish harbour seal population. <i>PeerJ</i> , 2020 , 8, e9167	3.1	1
5	Metabarcoding gillnets to assess unaccounted catch depredation or escape. <i>Environmental DNA</i> ,	7.6	1
4	Ecological community dynamics: 20 years of moth sampling reveals the importance of generalists for community stability. <i>Basic and Applied Ecology</i> , 2020 , 49, 34-44	3.2	0
3	Secondary predation constrains DNA-based diet reconstruction in two threatened shark species. <i>Scientific Reports</i> , 2021 , 11, 18350	4.9	0

- 2 Ecological changes have driven biotic exchanges across the Indian Ocean. *Scientific Reports*, **2021**, 11, 23357 4.9
- 1 Conservation genomics of the Endangered Long-nosed bandicoot (*Perameles nasuta*) population at North Head, Sydney, Australia. *Conservation Genetics*, **2021**, 22, 745-756 2.6