

# Michael Matschiner

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

5,506  
citations

218677

26  
h-index

302126

39  
g-index

52  
all docs

52  
docs citations

52  
times ranked

8583  
citing authors

#	ARTICLE	IF	CITATIONS
1	BEAST 2.5: An advanced software platform for Bayesian evolutionary analysis. <i>PLoS Computational Biology</i> , 2019, 15, e1006650.	3.2	2,484
2	Dsuite –Fast <i>D</i> –statistics and related admixture evidence from VCF files. <i>Molecular Ecology Resources</i> , 2021, 21, 584-595.	4.8	356
3	TANDEM: integrating automated allele binning into genetics and genomics workflows. <i>Bioinformatics</i> , 2009, 25, 1982-1983.	4.1	240
4	Evolution of the immune system influences speciation rates in teleost fishes. <i>Nature Genetics</i> , 2016, 48, 1204-1210.	21.4	226
5	Vision using multiple distinct rod opsins in deep-sea fishes. <i>Science</i> , 2019, 364, 588-592.	12.6	151
6	Drivers and dynamics of a massive adaptive radiation in cichlid fishes. <i>Nature</i> , 2021, 589, 76-81.	27.8	151
7	Bayesian Divergence-Time Estimation with Genome-Wide Single-Nucleotide Polymorphism Data of Sea Catfishes (Ariidae) Supports Miocene Closure of the Panamanian Isthmus. <i>Systematic Biology</i> , 2018, 67, 681-699.	5.6	137
8	Efficient ancestry and mutation simulation with msprime 1.0. <i>Genetics</i> , 2022, 220, .	2.9	133
9	On the Origin and Trigger of the Notothenioid Adaptive Radiation. <i>PLoS ONE</i> , 2011, 6, e18911.	2.5	115
10	Evolution of male pregnancy associated with remodeling of canonical vertebrate immunity in seahorses and pipefishes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 9431-9439.	7.1	93
11	A tribal level phylogeny of Lake Tanganyika cichlid fishes based on a genomic multi-marker approach. <i>Molecular Phylogenetics and Evolution</i> , 2015, 83, 56-71.	2.7	92
12	Bayesian Phylogenetic Estimation of Clade Ages Supports Trans-Atlantic Dispersal of Cichlid Fishes. <i>Systematic Biology</i> , 2017, 66, syw076.	5.6	86
13	Disentangling Incomplete Lineage Sorting and Introgression to Refine Species-Tree Estimates for Lake Tanganyika Cichlid Fishes. <i>Systematic Biology</i> , 2017, 66, syw069.	5.6	81
14	Gene flow by larval dispersal in the Antarctic notothenioid fish <i>Gobionotothen gibberifrons</i>. <i>Molecular Ecology</i> , 2009, 18, 2574-2587.	3.9	78
15	Variation and constraints in hybrid genome formation. <i>Nature Ecology and Evolution</i> , 2018, 2, 549-556.	7.8	69
16	Parallel ecological diversification in Antarctic notothenioid fishes as evidence for adaptive radiation. <i>Molecular Ecology</i> , 2011, 20, 4707-4721.	3.9	68
17	Genomics of speciation and introgression in Princess cichlid fishes from Lake Tanganyika. <i>Molecular Ecology</i> , 2016, 25, 6143-6161.	3.9	68
18	Diversity and disparity through time in the adaptive radiation of Antarctic notothenioid fishes. <i>Journal of Evolutionary Biology</i> , 2015, 28, 376-394.	1.7	67

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19	Whole genome sequencing data and de novo draft assemblies for 66 teleost species. <i>Scientific Data</i> , 2017, 4, 160132.	5.3	67
20	A high-quality assembly of the nine-spined stickleback ( <i>Pungitius pungitius</i> ) genome. <i>Genome Biology and Evolution</i> , 2019, 11, 3291-3308.	2.5	54
21	Stable species boundaries despite ten million years of hybridization in tropical eels. <i>Nature Communications</i> , 2020, 11, 1433.	12.8	53
22	Genomic Differentiation and Demographic Histories of Atlantic and Indo-Pacific Yellowfin Tuna ( <i>Thunnus albacares</i> ) Populations. <i>Genome Biology and Evolution</i> , 2017, 9, 1084-1098.	2.5	46
23	Supergene origin and maintenance in Atlantic cod. <i>Nature Ecology and Evolution</i> , 2022, 6, 469-481.	7.8	46
24	Comparative population genetics of seven notothenioid fish species reveals high levels of gene flow along ocean currents in the southern Scotia Arc, Antarctica. <i>Polar Biology</i> , 2012, 35, 1073-1086.	1.2	44
25	The genomic timeline of cichlid fish diversification across continents. <i>Nature Communications</i> , 2020, 11, 5895.	12.8	41
26	Millions of Years Behind: Slow Adaptation of Ruminants to Grasslands. <i>Systematic Biology</i> , 2018, 67, 145-157.	5.6	36
27	Fitchi: haplotype genealogy graphs based on the Fitch algorithm. <i>Bioinformatics</i> , 2016, 32, 1250-1252.	4.1	35
28	Dynamics of sex chromosome evolution in a rapid radiation of cichlid fishes. <i>Science Advances</i> , 2021, 7, eabe8215.	10.3	33
29	Estimating uncertainty in divergence times among three-spined stickleback clades using the multispecies coalescent. <i>Molecular Phylogenetics and Evolution</i> , 2020, 142, 106646.	2.7	31
30	The Most Developmentally Truncated Fishes Show Extensive Hox Gene Loss and Miniaturized Genomes. <i>Genome Biology and Evolution</i> , 2018, 10, 1088-1103.	2.5	28
31	Phylogenetic Position and Subspecies Divergence of the Endangered New Zealand Dotterel ( <i>Charadrius obscurus</i> ). <i>PLoS ONE</i> , 2013, 8, e78068.	2.5	27
32	Selective Sampling of Species and Fossils Influences Age Estimates Under the Fossilized Birth-Death Model. <i>Frontiers in Genetics</i> , 2019, 10, 1064.	2.3	25
33	Divergence and hybridization in sea turtles: Inferences from genome data show evidence of ancient gene flow between species. <i>Molecular Ecology</i> , 2021, 30, 6178-6192.	3.9	24
34	Gondwanan vicariance or trans-Atlantic dispersal of cichlid fishes: a review of the molecular evidence. <i>Hydrobiologia</i> , 2019, 832, 9-37.	2.0	23
35	Ticket to spawn: Combining economic and genetic data to evaluate the effect of climate and demographic structure on spawning distribution in Atlantic cod. <i>Global Change Biology</i> , 2019, 25, 134-143.	9.5	23
36	Evolution of Hemoglobin Genes in Codfishes Influenced by Ocean Depth. <i>Scientific Reports</i> , 2017, 7, 7956.	3.3	22

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37	Fish migrate underground: the example of <i>Delminichthys adspersus</i> (Cyprinidae). <i>Molecular Ecology</i> , 2012, 21, 1658-1671.	3.9	21
38	Phylogenomics of an extra-Antarctic notothenioid radiation reveals a previously unrecognized lineage and diffuse species boundaries. <i>BMC Evolutionary Biology</i> , 2019, 19, 13.	3.2	18
39	The Adaptive Radiation of Notothenioid Fishes in the Waters of Antarctica. , 2015, , 35-57.		18
40	Museum specimens tell the history of rhinoceroses. <i>Cell</i> , 2021, 184, 4841-4842.	28.9	1
41	Evolution: Genomic Signatures of Mimicry and Mimicry of Genomic Signatures. <i>Current Biology</i> , 2019, 29, R363-R365.	3.9	0