

Michael J Blum

List of Publications by Year in descending order

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Version: 2024-02-01

85
papers

2,515
citations

218381

26
h-index

223531

46
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87
all docs

87
docs citations

87
times ranked

3593
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA-based methods for monitoring invasive species: a review and prospectus. <i>Biological Invasions</i> , 2007, 9, 751-765.	1.2	205
2	Morphological responses of a stream fish to water impoundment. <i>Biology Letters</i> , 2010, 6, 803-806.	1.0	184
3	Singing in a silent spring: Birds respond to a half-century soundscape reversion during the COVID-19 shutdown. <i>Science</i> , 2020, 370, 575-579.	6.0	165
4	An ancient icon reveals new mysteries: mummy DNA resurrects a cryptic species within the Nile crocodile. <i>Molecular Ecology</i> , 2011, 20, 4199-4215.	2.0	131
5	Global population divergence and admixture of the brown rat (<i>Rattus norvegicus</i>). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20161762.	1.2	119
6	Geographic structure, genetic diversity and source tracking of <i>Spartina alterniflora</i> . <i>Journal of Biogeography</i> , 2007, 34, 2055-2069.	1.4	91
7	A Tale of Two Spills: Novel Science and Policy Implications of an Emerging New Oil Spill Model. <i>BioScience</i> , 2012, 62, 461-469.	2.2	89
8	Hybridization between invasive <i>Spartina densiflora</i> (Poaceae) and native <i>S. foliosa</i> in San Francisco Bay, California, USA. <i>American Journal of Botany</i> , 2008, 95, 713-719.	0.8	67
9	Commonly Rare and Rarely Common: Comparing Population Abundance of Invasive and Native Aquatic Species. <i>PLoS ONE</i> , 2013, 8, e77415.	1.1	67
10	Characterization of microsatellite loci in <i>Spartina</i> species (Poaceae). <i>Molecular Ecology Notes</i> , 2003, 4, 39-42.	1.7	59
11	Consequences of alternative dispersal strategies in a putatively amphidromous fish. <i>Ecology</i> , 2014, 95, 2397-2408.	1.5	57
12	Science Communication Through Art: Objectives, Challenges, and Outcomes. <i>Trends in Ecology and Evolution</i> , 2016, 31, 657-660.	4.2	53
13	Urban rat races: spatial population genomics of brown rats (<i>Rattus norvegicus</i>) compared across multiple cities. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20180245.	1.2	48
14	Genetic diversity and species diversity of stream fishes covary across a land-use gradient. <i>Oecologia</i> , 2012, 168, 83-95.	0.9	44
15	Genetic variation of <i>Spartina alterniflora</i> intentionally introduced to China. <i>Biological Invasions</i> , 2016, 18, 1485-1498.	1.2	44
16	Characterization of 24 additional microsatellite loci in <i>Spartina</i> species (Poaceae). <i>Conservation Genetics</i> , 2006, 6, 1049-1052.	0.8	43
17	Shifts in Symbiotic Endophyte Communities of a Foundational Salt Marsh Grass following Oil Exposure from the Deepwater Horizon Oil Spill. <i>PLoS ONE</i> , 2015, 10, e0122378.	1.1	40
18	Genetic estimates of population structure and dispersal in a benthic stream fish. <i>Ecology of Freshwater Fish</i> , 2012, 21, 75-86.	0.7	38

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19	Molecular assessment of population differentiation and individual assignment potential of Nile crocodile (<i>Crocodylus niloticus</i>) populations. <i>Conservation Genetics</i> , 2010, 11, 1435-1443.	0.8	36
20	Exposure to an environmental estrogen breaks down sexual isolation between native and invasive species. <i>Evolutionary Applications</i> , 2012, 5, 901-912.	1.5	36
21	Population structure, multiple paternity, and long-distance transport of spermatozoa in the freshwater mussel <i>Lampsilis cardium</i> (Bivalvia:Unionidae). <i>Freshwater Science</i> , 2013, 32, 267-282.	0.9	36
22	Predictors of body shape among populations of a stream fish (<i>Cyprinella venusta</i>)	0.7	36
23	Reproductive isolation and the expansion of an invasive hybrid swarm. <i>Biological Invasions</i> , 2010, 12, 2825-2836.	1.2	33
24	Abandonment, Ecological Assembly and Public Health Risks in Counter-Urbanizing Cities. <i>Sustainability</i> , 2016, 8, 491.	1.6	31
25	Rodent-Borne Bartonella Infection Varies According to Host Species Within and Among Cities. <i>EcoHealth</i> , 2017, 14, 771-782.	0.9	31
26	Deep sequencing reveals multiclinality and new discrete typing units of <i>Trypanosoma cruzi</i> in rodents from the southern United States. <i>Journal of Microbiology, Immunology and Infection</i> , 2020, 53, 622-633.	1.5	31
27	Inter-basin exchange and repeated headwater capture across the Sierra Madre Occidental inferred from the phylogeography of Mexican stonerollers. <i>Journal of Biogeography</i> , 2011, 38, 1406-1421.	1.4	30
28	Landscape Genetics of <i>Schistocephalus solidus</i> Parasites in Threespine Stickleback (<i>Gasterosteus</i>)	1.1	29
29	Molecular Systematics of the Cyprinid Genus <i>Campostoma</i> (Actinopterygii: Cypriniformes): Disassociation between Morphological and Mitochondrial Differentiation. <i>Copeia</i> , 2008, 2008, 360-369.	1.4	27
30	A Dedicated Pediatric Spine Deformity Team Significantly Reduces Surgical Time and Cost. <i>Journal of Bone and Joint Surgery - Series A</i> , 2018, 100, 1574-1580.	1.4	26
31	Overcoming urban stream syndrome: Trophic flexibility confers resilience in a Hawaiian stream fish. <i>Freshwater Biology</i> , 2018, 63, 492-502.	1.2	25
32	Persisting responses of salt marsh fungal communities to the Deepwater Horizon oil spill. <i>Science of the Total Environment</i> , 2018, 642, 904-913.	3.9	25
33	Socioecological disparities in New Orleans following Hurricane Katrina. <i>Ecosphere</i> , 2017, 8, e01922.	1.0	24
34	A molecular phylogeny of the neotropical butterfly genus <i>Anartia</i> (Lepidoptera: Nymphalidae). <i>Molecular Phylogenetics and Evolution</i> , 2003, 26, 46-55.	1.2	23
35	Characterization of microsatellite loci in the European green crab (<i>Carcinus maenas</i>). <i>Molecular Ecology Notes</i> , 2006, 6, 343-345.	1.7	23
36	Molecular and Morphological Evidence of Distinct Evolutionary Lineages of <i>Awaous guamensis</i> in Hawai'i and Guam. <i>Copeia</i> , 2012, 2012, 293-300.	1.4	23

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37	Disturbance, Reassembly, and Disease Risk in Socioecological Systems. <i>EcoHealth</i> , 2016, 13, 450-455.	0.9	23
38	Source-sink dynamics sustain central stonerollers (<i>Campostoma anomalum</i>) in a heavily urbanized catchment. <i>Freshwater Biology</i> , 2008, 53, 2061-2075.	1.2	22
39	Rodent assemblage structure reflects socioecological mosaics of counter-urbanization across post-Hurricane Katrina New Orleans. <i>Landscape and Urban Planning</i> , 2020, 195, 103710.	3.4	20
40	Advancing community resilience research and practice: moving from "me" to "we" to "3D". <i>Journal of Risk Research</i> , 2020, 23, 1-10.	1.4	19
41	Geographic range and structure of cryptic genetic diversity among Pacific North American populations of the non-native amphipod <i>Grandidierella japonica</i> . <i>Biological Invasions</i> , 2013, 15, 2415-2428.	1.2	18
42	Spread of an introduced parasite across the Hawaiian archipelago independent of its introduced host. <i>Freshwater Biology</i> , 2015, 60, 311-322.	1.2	18
43	Ecological and genetic associations across a <i>Heliconius</i> hybrid zone. <i>Journal of Evolutionary Biology</i> , 2008, 21, 330-341.	0.8	17
44	Rapid movement and instability of an invasive hybrid swarm. <i>Evolutionary Applications</i> , 2016, 9, 741-755.	1.5	16
45	Isolation and differentiation of <i>Rivulus hartii</i> across Trinidad and neighboring islands. <i>Molecular Ecology</i> , 2011, 20, 601-618.	2.0	15
46	Brackish Marsh Plant Community Responses to Regional Precipitation and Relative sea-Level Rise. <i>Wetlands</i> , 2016, 36, 607-619.	0.7	14
47	Clonal Vegetation Patterns Mediate Shoreline Erosion. <i>Geophysical Research Letters</i> , 2018, 45, 6476-6484.	1.5	14
48	Rhizosphere microbial communities reflect genotypic and trait variation in a salt marsh ecosystem engineer. <i>American Journal of Botany</i> , 2020, 107, 941-949.	0.8	14
49	Turbidity alters pre-mating social interactions between native and invasive stream fishes. <i>Freshwater Biology</i> , 2015, 60, 1784-1793.	1.2	13
50	Rat Lungworm Infection in Rodents across Post-Katrina New Orleans, Louisiana, USA. <i>Emerging Infectious Diseases</i> , 2018, 24, 2176-2183.	2.0	13
51	A century of genetic variation inferred from a persistent soil-stored seed bank. <i>Evolutionary Applications</i> , 2018, 11, 1715-1731.	1.5	11
52	Genetic Analysis of the Chinese Mitten Crab (<i>Eriocheir sinensis</i>) Introduced to the North American Great Lakes and St. Lawrence Seaway. <i>Journal of Great Lakes Research</i> , 2007, 33, 658.	0.8	10
53	Resurrecting an extinct species: archival DNA, taxonomy, and conservation of the Vegas Valley leopard frog. <i>Conservation Genetics</i> , 2011, 12, 1379-1385.	0.8	10
54	In the heart of the city: <i>Trypanosoma cruzi</i> infection prevalence in rodents across New Orleans. <i>Parasites and Vectors</i> , 2020, 13, 577.	1.0	10

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55	Intraspecific variation in landform engineering across a restored salt marsh shoreline. <i>Evolutionary Applications</i> , 2021, 14, 685-697.	1.5	10
56	Hybridization between <i>Schoenoplectus</i> sedges across Chesapeake Bay marshes. <i>Conservation Genetics</i> , 2010, 11, 1885-1898.	0.8	9
57	Genetic Structure of <i>Culex erraticus</i> Populations Across the Americas. <i>Journal of Medical Entomology</i> , 2012, 49, 522-534.	0.9	9
58	Mutual dilution of infection by an introduced parasite in native and invasive stream fishes across Hawaii. <i>Parasitology</i> , 2016, 143, 1605-1614.	0.7	9
59	Evidence of local adaptation in a waterfall-climbing Hawaiian goby fish derived from coupled biophysical modeling of larval dispersal and post-settlement selection. <i>BMC Evolutionary Biology</i> , 2019, 19, 88.	3.2	9
60	Migratory flexibility in native Hawai'ian amphidromous fishes. <i>Journal of Fish Biology</i> , 2020, 96, 456-468.	0.7	9
61	Characterization of microsatellite loci in <i>Schoenoplectus americanus</i> (Cyperaceae). <i>Molecular Ecology Notes</i> , 2005, 5, 661-663.	1.7	8
62	Invasion of the Hawaiian Islands by a parasite infecting imperiled stream fishes. <i>Ecography</i> , 2018, 41, 528-539.	2.1	8
63	Phylogeography of the widespread creek chub <i>Semotilus atromaculatus</i> (Cypriniformes: Leuciscidae). <i>Journal of Fish Biology</i> , 2018, 93, 778-791.	0.7	8
64	A century-long record of plant evolution reconstructed from a coastal marsh seed bank. <i>Evolution Letters</i> , 2021, 5, 422-431.	1.6	8
65	Geographic and host-mediated population genetic structure in a cestode parasite of the three-spined stickleback. <i>Biological Journal of the Linnean Society</i> , 2016, 119, 381-396.	0.7	7
66	Geographic independence and phylogenetic diversity of red shiner introductions. <i>Conservation Genetics</i> , 2016, 17, 795-809.	0.8	7
67	Comparison of Visual Survey and Mark-Recapture Population Estimates of a Benthic Fish in Hawaii. <i>Transactions of the American Fisheries Society</i> , 2016, 145, 878-887.	0.6	6
68	Estimating effective population size for a cestode parasite infecting three-spined sticklebacks. <i>Parasitology</i> , 2019, 146, 883-896.	0.7	6
69	Migratory gauntlets on oceanic islands: Watershed disturbance increases the cost of amphidromy. <i>Ecology of Freshwater Fish</i> , 2019, 28, 446-458.	0.7	6
70	Amplification of pathogenic <i>Leptospira</i> infection with greater abundance and occurrence of rodent hosts across a counter-urbanizing landscape. <i>Molecular Ecology</i> , 2021, 30, 2145-2161.	2.0	6
71	Effectiveness and outcomes of invasive species removal in Hawaiian streams. <i>Biological Invasions</i> , 2021, 23, 1739-1763.	1.2	6
72	Invasion and rapid adaptation of guppies (<i>Poecilia reticulata</i>) across the Hawaiian Archipelago. <i>Evolutionary Applications</i> , 2021, 14, 1747-1761.	1.5	6

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73	Microbial mediation of salinity stress response varies by plant genotype and provenance over time. <i>Molecular Ecology</i> , 2022, 31, 4571-4585.	2.0	5
74	Genetic diversity of the endangered Chinese endemic plant <i>Monimopetalum chinense</i> revealed by amplified fragment length polymorphism (AFLP). <i>Biochemical Systematics and Ecology</i> , 2011, 39, 384-391.	0.6	4
75	Parasitism of a native Hawaiian stream fish by an introduced nematode increases with declining precipitation across a natural rainfall gradient. <i>Ecology of Freshwater Fish</i> , 2016, 25, 476-486.	0.7	4
76	Accounting for variability when resurrecting dormant propagules substantiates their use in ecoevolutionary studies. <i>Evolutionary Applications</i> , 2021, 14, 2831-2847.	1.5	4
77	Characterization of ten novel microsatellite markers in <i>Awaous guamensis</i> with comments on cross amplification in congeners and other amphidromous fish native to Hawaii. <i>Conservation Genetics Resources</i> , 2011, 3, 275-277.	0.4	3
78	Chronosequence of morphological change in a stream fish following impoundment. <i>Freshwater Biology</i> , 2021, 66, 1721-1735.	1.2	3
79	Flooding and abandonment have shaped rat demography across post-Katrina New Orleans. <i>Landscape and Urban Planning</i> , 2021, 215, 104218.	3.4	2
80	Host genetic variation and microenvironment shape an emergent plant-antagonist interaction. <i>Evolutionary Ecology</i> , 2016, 30, 1043-1060.	0.5	1
81	Neutral and non-neutral factors shape an emergent plant-antagonist interaction. <i>Evolutionary Ecology</i> , 2018, 32, 265-285.	0.5	1
82	Rodent Virus Diversity and Differentiation across Post-Katrina New Orleans. <i>Sustainability</i> , 2021, 13, 8034.	1.6	1
83	Reconsidering the New Normal: Trauma, Vulnerability & Resilience in Post-Katrina New Orleans. <i>Nature Precedings</i> , 2011, , .	0.1	0
84	Environmental Pressures on Top-Down and Bottom-Up Forces in Coastal Ecosystems. <i>Diversity</i> , 2021, 13, 444.	0.7	0
85	Spatial and temporal comparisons of salt marsh soil fungal communities following the deepwater horizon spill. <i>Wetlands Ecology and Management</i> , 0, , 1.	0.7	0