

Michael E Douglas, Michael Edward Dou

List of Publications by Year in descending order

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90
papers

3,527
citations

236925

25
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149698

56
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109
all docs

109
docs citations

109
times ranked

4153
citing authors

#	ARTICLE	IF	CITATIONS
1	Ecological and evolutionary consequences of biotic homogenization. <i>Trends in Ecology and Evolution</i> , 2004, 19, 18-24.	8.7	1,159
2	Quantitative matrix comparisons in ecological and evolutionary investigations. <i>Journal of Theoretical Biology</i> , 1982, 99, 777-795.	1.7	179
3	Statistical comparison of proximity matrices: applications in animal behaviour. <i>Animal Behaviour</i> , 1985, 33, 239-253.	1.9	173
4	Does Morphology Predict Ecology? Hypothesis Testing within a Freshwater Stream Fish Assemblage. <i>Oikos</i> , 1992, 65, 213.	2.7	154
5	Evolution of rattlesnakes (<i>Viperidae</i> ; <i>Crotalus</i>) in the warm deserts of western North America shaped by Neogene vicariance and Quaternary climate change. <i>Molecular Ecology</i> , 2006, 15, 3353-3374.	3.9	119
6	BA3â€œSNPs: Contemporary migration reconfigured in BayesAss for nextâ€œgeneration sequence data. <i>Methods in Ecology and Evolution</i> , 2019, 10, 1808-1813.	5.2	91
7	Indigenous Fishes of Western North America and the Hypothesis of Competitive Displacement: <i>Meda fulgida</i> (<i>Cyprinidae</i>) as a Case Study. <i>Copeia</i> , 1994, 1994, 9.	1.3	87
8	Predation by Introduced Fishes on Endangered Humpback Chub and other Native Species in the Little Colorado River, Arizona. <i>Transactions of the American Fisheries Society</i> , 1997, 126, 343-346.	1.4	75
9	Geographic isolation, genetic divergence, and ecological non-exchangeability define ESUs in a threatened sky-island rattlesnake. <i>Biological Conservation</i> , 2007, 134, 142-154.	4.1	58
10	Population Estimates/Population Movements of <i>Gila cypha</i> , an Endangered Cyprinid Fish in the Grand Canyon Region of Arizona. <i>Copeia</i> , 1996, 1996, 15.	1.3	50
11	The Human Dimensions of Biotic Homogenization. <i>Conservation Biology</i> , 2005, 19, 2036-2038.	4.7	48
12	A Comparative Study of Topographical Orientation in <i>Ambystoma</i> (<i>Amphibia</i> : <i>Caudata</i>). <i>Copeia</i> , 1981, 1981, 460.	1.3	46
13	Stream hierarchy defines riverscape genetics of a <sc>N</sc>orth <sc>A</sc>merican desert fish. <i>Molecular Ecology</i> , 2013, 22, 956-971.	3.9	43
14	Migration and sexual selection in <i>Ambystoma jeffersonianum</i>. <i>Canadian Journal of Zoology</i> , 1979, 57, 2303-2310.	1.0	42
15	Use of Genetic Characters in Conservation Biology. <i>Conservation Biology</i> , 1992, 6, 7-8.	4.7	39
16	Molecular Evidence for a Unique Evolutionary Lineage of Endangered Sonoran Desert Fish (Genus) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	4.7	37
17	Response to Wayne, Nowak, and Phillips and Henry: Use of Molecular Characters in Conservation Biology. <i>Conservation Biology</i> , 1992, 6, 600-603.	4.7	35
18	Genetic assessment of environmental features that influence deer dispersal: implications for prionâ€œinfected populations. <i>Population Ecology</i> , 2014, 56, 327-340.	1.2	35

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19	Hybridization drives genetic erosion in sympatric desert fishes of western North America. <i>Heredity</i> , 2019, 123, 759-773.	2.6	34
20	Conservation phylogenetics of helodermatid lizards using multiple molecular markers and a supertree approach. <i>Molecular Phylogenetics and Evolution</i> , 2010, 55, 153-167.	2.7	33
21	Genetic rescue, the greater prairie chicken and the problem of conservation reliance in the Anthropocene. <i>Royal Society Open Science</i> , 2017, 4, 160736.	2.4	31
22	Spatiotemporal Variation in Length-Weight Relationships of Endangered Humpback Chub: Implications for Conservation and Management. <i>Transactions of the American Fisheries Society</i> , 2000, 129, 419-428.	1.4	30
23	Drought in an evolutionary context: molecular variability in Flannelmouth Sucker (<i>Catostomus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 1254-1273.	2.4	30
24	Small Fish in a Large Landscape: Diversification of <i>Rhinichthys osculus</i> (Cyprinidae) in Western North America. <i>Copeia</i> , 2004, 2004, 207-221.	1.3	29
25	SEXUAL DIMORPHISM IN SPOTTED DOLPHINS (<i>STENELLA ATTENUATA</i>) IN THE EASTERN TROPICAL PACIFIC OCEAN. <i>Marine Mammal Science</i> , 1985, 1, 1-14.	1.8	28
26	Nowhere to Go but Up: Impacts of Climate Change on Demographics of a Short-Range Endemic (<i>Crotalus willardi obscurus</i>) in the Sky-Islands of Southwestern North America. <i>PLoS ONE</i> , 2015, 10, e0131067.	2.5	27
27	Qualitative Characters, Identification of Colorado River Chubs (Cyprinidae: Genus <i>Gila</i>) and the "Art of Seeing Well". <i>Copeia</i> , 1989, 1989, 653.	1.3	26
28	Analysis of Sexual Dimorphism in an Endangered Cyprinid Fish (<i>Gila cypha</i> Miller) Using Video Image Technology. <i>Copeia</i> , 1993, 1993, 334.	1.3	26
29	Use of Geometric Morphometrics to Differentiate <i>Gila</i> (Cyprinidae) within the Upper Colorado River Basin. <i>Copeia</i> , 2001, 2001, 389-400.	1.3	26
30	Montane Rattlesnakes and Prescribed Fire. <i>Southwestern Naturalist</i> , 2001, 46, 54.	0.1	26
31	Molecular Ecology of the Big Brown Bat (<i>Eptesicus fuscus</i>): Genetic and Natural History Variation in a Hybrid Zone. <i>Journal of Mammalogy</i> , 2007, 88, 1230-1238.	1.3	26
32	Deconstructing a Species-Complex: Geometric Morphometric and Molecular Analyses Define Species in the Western Rattlesnake (<i>Crotalus viridis</i>). <i>PLoS ONE</i> , 2016, 11, e0146166.	2.5	25
33	GEOGRAPHIC PATTERNS OF VARIATION IN OFFSHORE SPOTTED DOLPHINS (<i>STENELLA ATTENUATA</i>) OF THE EASTERN TROPICAL PACIFIC OCEAN. <i>Marine Mammal Science</i> , 1986, 2, 186-213.	1.8	24
34	Climate change and evolution of the New World pitviper genus <i>Agkistrodon</i> (Viperidae). <i>Journal of Biogeography</i> , 2009, 36, 1164-1180.	3.0	24
35	Unraveling historical introgression and resolving phylogenetic discord within <i>Catostomus</i> (Osteichthys: Catostomidae). <i>BMC Evolutionary Biology</i> , 2018, 18, 86.	3.2	24
36	FRAGMATIC: in silico locus prediction and its utility in optimizing ddRADseq projects. <i>Conservation Genetics Resources</i> , 2018, 10, 325-328.	0.8	22

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37	AdmixPipe: population analyses in Admixture for non-model organisms. BMC Bioinformatics, 2020, 21, 337.	2.6	22
38	Morphometric Assessment of Sexual Dimorphism in Skeletal Elements of California Gulls. Condor, 1985, 87, 484-493.	1.6	21
39	Patterns of Morphological Variation among Endangered Populations of <i>Gila robusta</i> and <i>Gila cypha</i> (Teleostei: Cyprinidae) in the Upper Colorado River Basin. Copeia, 1995, 1995, 636.	1.3	21
40	Ecology of the Grand Canyon Rattlesnake (<i>Crotalus viridis abyssus</i>) in the Little Colorado River Canyon, Arizona. Southwestern Naturalist, 2002, 47, 30.	0.1	21
41	Population and Survival Estimates of <i>Catostomus latipinnis</i> in Northern Grand Canyon, with Distribution and Abundance of Hybrids with <i>Xyrauchen texanus</i> . Copeia, 1998, 1998, 915.	1.3	20
42	Do biofilm communities respond to the chemical signatures of fracking? A test involving streams in North-central Arkansas. BMC Microbiology, 2017, 17, 29.	3.3	19
43	Contrasting signatures of introgression in North American box turtle (<i>Terrapene</i> spp.) contact zones. Molecular Ecology, 2020, 29, 4186-4202.	3.9	19
44	DID VICARIANCE MOLD PHENOTYPES OF WESTERN NORTH AMERICAN FISHES? EVIDENCE FROM GILA RIVER CYPRINIDS. Evolution; International Journal of Organic Evolution, 1999, 53, 238-246.	2.3	18
45	Evolutionary Homoplasy among Species Flocks of Central Alpine Coregonus (Teleostei: Cyprinidae). Journal of Biogeography, 2010, 37, 1050-1060.	1.3	18
46	Diagnosis and Detection of Cryptic Species: the <i>Tabanus nigrovittatus</i> Complex (Diptera: Tabanidae) in Coastal New Jersey. Annals of the Entomological Society of America, 1984, 77, 587-591.	2.5	17
47	Late Season Reproduction by Big-River Catostomidae in Grand Canyon (Arizona). Copeia, 2000, 2000, 238-244.	1.3	17
48	Genealogical Concordance between Mitochondrial and Nuclear DNAs Supports Species Recognition of the Panamint Rattlesnake (<i>Crotalus mitchellii stephensi</i>). Copeia, 2007, 2007, 920-932.	1.3	17
49	MrBait: universal identification and design of targeted-enrichment capture probes. Bioinformatics, 2018, 34, 4293-4296.	4.1	17
50	Bateman-Trivers in the 21st Century: sexual selection in a North American pitviper. Biological Journal of the Linnean Society, 2015, 114, 436-445.	1.6	16
51	Defining relictual biodiversity: Conservation units in speckled dace (Leuciscidae: <i>Rhinichthys</i>). Journal of Biogeography, 2010, 37, 1050-1060.	1.9	15
52	Multivariate Discrimination of Colorado Plateau Gila spp.: The 'Art of Seeing Well' Revisited. Transactions of the American Fisheries Society, 1998, 127, 163-173.	1.4	14
53	Conservation Genetics of the Desert Massasauga Rattlesnake (<i>Sistrurus catenatus edwardsii</i>). Copeia, 2009, 2009, 740-747.	1.3	14
54	Spatial population genetics in heavily managed species: Separating patterns of historical translocation from contemporary gene flow in white-tailed deer. Evolutionary Applications, 2021, 14, 1673-1689.	3.1	14

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55	Conservation and Management of Polytypic Species: The Little Striped Whiptail Complex (<i>Aspidoscelis inornata</i>) as a Case Study. <i>Copeia</i> , 2014, 2014, 519-529.	1.3	13
56	Reticulate evolution as a management challenge: Patterns of admixture with phylogenetic distance in endemic fishes of western North America. <i>Evolutionary Applications</i> , 2020, 13, 1400-1419.	3.1	13
57	Gene flow and species delimitation in fishes of Western North America: Flannelmouth (<i>Catostomus</i>) Tj ETQq1 1 0.784314 rgBT / O 6477-6493.	1.9	12
58	Age structuring and spatial heterogeneity in prion protein gene (<i>PRNP</i>) polymorphism in white-tailed deer. <i>Prion</i> , 2020, 14, 238-248.	1.8	12
59	Systematic Status of Bonefishes (<i>Albula</i> spp.) From the Eastern Pacific Ocean Inferred from Analyses of Allozymes and Mitochondrial DNA. <i>Environmental Biology of Fishes</i> , 2002, 63, 151-159.	1.0	11
60	Anthropogenic Impacts Facilitate Native Fish Hybridization in the Bonneville Basin of Western North America. <i>Transactions of the American Fisheries Society</i> , 2017, 146, 16-21.	1.4	11
61	Genomic pedigree reconstruction identifies predictors of mating and reproductive success in an invasive vertebrate. <i>Ecology and Evolution</i> , 2019, 9, 11863-11877.	1.9	11
62	Comp-D: a program for comprehensive computation of D-statistics and population summaries of reticulated evolution. <i>Conservation Genetics Resources</i> , 2020, 12, 263-267.	0.8	11
63	Speciation Rates and Morphological Divergence in Fishes: Tests of Gradual Versus Rectangular Modes of Evolutionary Change. <i>Evolution; International Journal of Organic Evolution</i> , 1982, 36, 224.	2.3	10
64	Multi-targeted management of upland game birds at the agroecosystem interface in midwestern North America. <i>PLoS ONE</i> , 2020, 15, e0230735.	2.5	9
65	Taxonomic Uncertainty and the Anomaly Zone: Phylogenomics Disentangle a Rapid Radiation to Resolve Contentious Species (<i>Gila robusta</i> Complex) in the Colorado River. <i>Genome Biology and Evolution</i> , 2021, 13, .	2.5	9
66	Did Vicariance Mold Phenotypes of Western North American Fishes? Evidence from Gila River Cyprinids. <i>Evolution; International Journal of Organic Evolution</i> , 1999, 53, 238.	2.3	8
67	Morphological Diagnosability of <i>Aspidoscelis arizonae</i> (Squamata: Teiidae) as an Indication of Evolutionary Divergence in the <i>Aspidoscelis inornata</i> Complex. <i>Copeia</i> , 2013, 2013, 366-377.	1.3	8
68	The choices we make and the impacts they have: Machine learning and species delimitation in North American box turtles (<i>Terrapene</i> spp.). <i>Molecular Ecology Resources</i> , 2021, 21, 2801-2817.	4.8	8
69	Distribution of <i>Ctenopoma muriei</i> and the Status of <i>Ctenopoma ctenotis</i> (Pisces: Anabantidae). <i>Copeia</i> , 1988, 1988, 487.	1.3	7
70	Population Genetics of the Copperhead at Its Most Northeastern Distribution. <i>Copeia</i> , 2016, 104, 448-457.	1.3	7
71	Rediscovery of Colorado Squawfish, <i>Ptychocheilus lucius</i> (Cyprinidae), in Wyoming. <i>Copeia</i> , 1991, 1991, 1091.	1.3	6
72	Geographic Variation, Taxonomic Status, and Biogeography of Two Widely Distributed African Freshwater Fishes: <i>Ctenopoma petherici</i> and <i>C. kingsleyae</i> (Teleostei: Anabantidae). <i>Copeia</i> , 1992, 1992, 709.	1.3	6

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73	Are populations of economically important bonefish and queen conch 'open' or 'closed' in the northern caribbean basin?. <i>Marine Ecology</i> , 2021, 42, e12639.	1.1	6
74	Multivariate Morphometric Analysis of Striped Bass, White Bass, and Striped Bass \times White Bass Hybrids. <i>North American Journal of Fisheries Management</i> , 1991, 11, 330-338.	1.0	5
75	The Type Localities of <i>Sistrurus catenatus</i> and <i>Crotalus viridis</i> (Serpentes: Viperidae), with the Unraveling of a Most Unfortunate Tangle of Names. <i>Copeia</i> , 2008, 2008, 421-424.	1.3	5
76	Salinity and hydrological barriers have little influence on genetic structure of the mosquitofish in a coastal landscape shaped by climate change. <i>Hydrobiologia</i> , 2016, 777, 209-223.	2.0	5
77	A New Species of Nest Building <i>Ctenopoma</i> (Teleostei, Anabantidae) from Zaïre, with a Redescription of <i>Ctenopoma lineatum</i> (Nichols). <i>Copeia</i> , 1991, 1991, 166.	1.3	4
78	Temporal Patterns of Genetic Diversity in an Imperiled Population of the Eastern Massasauga Rattlesnake (<i>Sistrurus catenatus</i>). <i>Copeia</i> , 2018, 106, 414-420.	1.3	4
79	Invasion Ecology: An International Perspective Centered in the Holarctic. <i>Fisheries</i> , 2015, 40, 464-470.	0.8	3
80	Parallel introgression, not recurrent emergence, explains apparent elevational ecotypes of polyploid Himalayan snowtrout. <i>Royal Society Open Science</i> , 2021, 8, 210727.	2.4	3
81	DISCRIMINATING GILA ROBUSTA AND GILA CYPHA: RISK ASSESSMENT AND THE ENDANGERED SPECIES ACT. , 1997, 7, 958-967.		2
82	Trait heritability and its implications for the management of an invasive vertebrate. <i>Biological Invasions</i> , 2021, 23, 3447-3456.	2.4	2
83	ClineHelpR: an R package for genomic cline outlier detection and visualization. <i>BMC Bioinformatics</i> , 2021, 22, 501.	2.6	2
84	Discriminating Gila Robusta and Gila Cypha: Risk Assessment and the Endangered Species Act. , 1997, 7, 958.		1
85	Crossroad Blues: An Intersection of Rivers, Wetlands, and Public Policy. <i>Fisheries</i> , 2011, 36, 337-339.	0.8	1
86	Microsatellite markers for Longfin Dace, <i>Agosia chrysogaster</i> , a sentinel fish species in imperiled arid-land rivers of the Sonoran Desert. <i>Conservation Genetics Resources</i> , 2012, 4, 927-929.	0.8	1
87	Female persistence during toxicant treatment predicts survival probability of offspring in invasive brown treesnakes (<i>Boiga irregularis</i>). <i>Global Ecology and Conservation</i> , 2021, 31, e01827.	2.1	1
88	Population connectivity in voles (<i>Microtus</i> sp.) as a gauge for tall grass prairie restoration in midwestern North America. <i>PLoS ONE</i> , 2021, 16, e0260344.	2.5	1
89	Morphological Divergence in Fishes: Macroevolutionary Patterns. <i>BioScience</i> , 1982, 32, 683-684.	4.9	0
90	Limited gene flow and pronounced population genetic structure of Eastern Massasauga (<i>Sistrurus</i>) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 50	2.5	0