

Nathan Muchhala

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,865
citations

279798

23
h-index

330143

37
g-index

39
all docs

39
docs citations

39
times ranked

1667
citing authors

#	ARTICLE	IF	CITATIONS
1	Associations between floral specialization and species diversity: cause, effect, or correlation?. <i>Evolutionary Ecology</i> , 2009, 23, 159-179.	1.2	162
2	Nectar-feeding bird and bat niches in two worlds: pantropical comparisons of vertebrate pollination systems. <i>Journal of Biogeography</i> , 2008, 35, 764-780.	3.0	158
3	Character displacement among bat-pollinated flowers of the genus <i>Burmeistera</i> : analysis of mechanism, process and pattern. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 2731-2737.	2.6	130
4	Adaptive Trade-off in Floral Morphology Mediates Specialization for Flowers Pollinated by Bats and Hummingbirds. <i>American Naturalist</i> , 2007, 169, 494-504.	2.1	121
5	COMPETITION FOR HUMMINGBIRD POLLINATION SHAPES FLOWER COLOR VARIATION IN ANDEAN SOLANACEAE. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, n/a-n/a.	2.3	105
6	Going to great lengths: selection for long corolla tubes in an extremely specialized bat-flower mutualism. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 2147-2152.	2.6	89
7	Importance of Pollinator-Mediated Interspecific Pollen Transfer for Angiosperm Evolution. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2019, 50, 191-217.	8.3	81
8	The pollination biology of <i>Burmeistera</i> (Campanulaceae): specialization and syndromes. <i>American Journal of Botany</i> , 2006, 93, 1081-1089.	1.7	77
9	Interspecific competition in pollination systems: costs to male fitness via pollen misplacement. <i>Functional Ecology</i> , 2012, 26, 476-482.	3.6	77
10	Exploring the boundary between pollination syndromes: bats and hummingbirds as pollinators of <i>Burmeistera cyclostigmata</i> and <i>B. tenuiflora</i> (Campanulaceae). <i>Oecologia</i> , 2003, 134, 373-380.	2.0	75
11	Nectar bat stows huge tongue in its rib cage. <i>Nature</i> , 2006, 444, 701-702.	27.8	70
12	Repeated evolution of vertebrate pollination syndromes in a recently diverged Andean plant clade. <i>Evolution; International Journal of Organic Evolution</i> , 2017, 71, 1970-1985.	2.3	69
13	Fur versus Feathers: Pollen Delivery by Bats and Hummingbirds and Consequences for Pollen Production. <i>American Naturalist</i> , 2010, 175, 717-726.	2.1	68
14	A generalized pollination system in the tropics: bats, birds and <i>Aphelandra acanthus</i> . <i>Annals of Botany</i> , 2009, 103, 1481-1487.	2.9	67
15	Competition Drives Specialization in Pollination Systems through Costs to Male Fitness. <i>American Naturalist</i> , 2010, 176, 732-743.	2.1	67
16	Flower Visitation by Bats in Cloud Forests of Western Ecuador. <i>Biotropica</i> , 2002, 34, 387-395.	1.6	65
17	Global patterns of population genetic differentiation in seed plants. <i>Molecular Ecology</i> , 2020, 29, 3413-3428.	3.9	51
18	The Predominantly South American Clade of Lobeliaceae. <i>Systematic Botany</i> , 2008, 33, 462-468.	0.5	36

#	ARTICLE	IF	CITATIONS
19	Phylogeny, classification, and fruit evolution of the species-rich Neotropical bellflowers (Campanulaceae: Lobelioideae). <i>American Journal of Botany</i> , 2014, 101, 2097-2112.	1.7	36
20	Functional Significance of Interspecific Variation in <i>Burmeistera</i> Flower Morphology: Evidence from Nectar Bat Captures in Ecuador. <i>Biotropica</i> , 2008, 40, 332-337.	1.6	34
21	Utility of targeted sequence capture for phylogenomics in rapid, recent angiosperm radiations: Neotropical <i>Burmeistera</i> bellflowers as a case study. <i>Molecular Phylogenetics and Evolution</i> , 2020, 152, 106769.	2.7	34
22	Convergence of anti-bee pollination mechanisms in the Neotropical plant genus <i>Drymonia</i> (Gesneriaceae). <i>Evolutionary Ecology</i> , 2015, 29, 355-377.	1.2	32
23	Phylogenetic relationships of <i>Burmeistera</i> (Campanulaceae: Lobelioideae): Combining whole plastome with targeted loci data in a recent radiation. <i>Molecular Phylogenetics and Evolution</i> , 2017, 107, 551-563.	2.7	31
24	A NEW SPECIES OF ANOURA (CHIROPTERA: PHYLLOSTOMIDAE) FROM THE ECUADORIAN ANDES. <i>Journal of Mammalogy</i> , 2005, 86, 457-461.	1.3	30
25	The Complexity of Background Clutter Affects Nectar Bat Use of Flower Odor and Shape Cues. <i>PLoS ONE</i> , 2015, 10, e0136657.	2.5	25
26	Floral reorientation: the restoration of pollination accuracy after accidents. <i>New Phytologist</i> , 2020, 227, 232-243.	7.3	16
27	A gradient of pollination specialization in three species of Bolivian <i>Centropogon</i> . <i>American Journal of Botany</i> , 2019, 106, 633-642.	1.7	14
28	Differential Tolerance to Increasing Heterospecific Pollen Deposition in Two Sympatric Species of <i>Burmeistera</i> (Campanulaceae: Lobelioideae). <i>International Journal of Plant Sciences</i> , 2019, 180, 987-995.	1.3	10
29	Increased resolution in the face of conflict: phylogenomics of the Neotropical bellflowers (Campanulaceae: Lobelioideae), a rapid plant radiation. <i>Annals of Botany</i> , 2022, 129, 723-736.	2.9	8
30	A new species of <i>Soleichthys</i> (Soleidae: Pleuronectiformes) from tropical seas off northern Australia. <i>Ichthyological Research</i> , 2004, 51, 57-62.	0.8	6
31	Do artificial nectar feeders affect bat-plant interactions in an Ecuadorian cloud forest?. <i>Biotropica</i> , 2017, 49, 586-592.	1.6	5
32	Morphology and genetics concur that <i>Anoura carishina</i> is a synonym of <i>Anoura latidens</i> (Chiroptera, Glossophaginae). <i>Mammalia</i> , 2021, 85, 471-481.	0.7	5
33	Two New Species of <i>Burmeistera</i> (Campanulaceae: Lobelioideae) from the Cordillera de Talamanca of Costa Rica and Panama, with a Key to the Central American Species. <i>Systematic Botany</i> , 2015, 40, 914-921.	0.5	3
34	Genome-wide ultraconserved elements resolve phylogenetic relationships and biogeographic history among Neotropical leaf-nosed bats in the genus <i>Anoura</i> (Phyllostomidae). <i>Molecular Phylogenetics and Evolution</i> , 2022, 167, 107356.	2.7	3
35	New species of <i>Burmeistera</i> (Campanulaceae: Lobelioideae) from Ecuador. <i>Phytotaxa</i> , 2018, 362, 263.	0.3	2
36	First report of the Broad-toothed Tailless Bat, <i>Anoura latidens</i> Handley, 1984 (Chiroptera, Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td (f	0.4	2

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37	Quantum dots shed light on angiosperm speciation. <i>New Phytologist</i> , 2019, 224, 1005-1008.	7.3	1
38	Three New Species of Burmeistera (Campanulaceae) Endemic to Ecuador. <i>Phytotaxa</i> , 2021, 490, 253-262.	0.3	0