

Alexandra Muellner-Riehl

List of Publications by Year in descending order

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66
papers

3,188
citations

201385

27
h-index

161609

54
g-index

68
all docs

68
docs citations

68
times ranked

3659
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of the uplift of the Qinghai-Tibetan Plateau for the evolution of Tibetan biotas. <i>Biological Reviews</i> , 2015, 90, 236-253.	4.7	622
2	Geological and climatic influences on mountain biodiversity. <i>Nature Geoscience</i> , 2018, 11, 718-725.	5.4	390
3	Out-of-Tibet: the spatio-temporal evolution of <i>Gentiana</i> (Gentianaceae). <i>Journal of Biogeography</i> , 2016, 43, 1967-1978.	1.4	143
4	In and out of the Qinghai-Tibet Plateau: divergence time estimation and historical biogeography of the large arctic-alpine genus <i>Saxifraga</i> L. <i>Journal of Biogeography</i> , 2017, 44, 900-910.	1.4	117
5	The mahogany family 'out-of-Africa': Divergence time estimation, global biogeographic patterns inferred from plastid <i>rbcl</i> DNA sequences, extant, and fossil distribution of diversity. <i>Molecular Phylogenetics and Evolution</i> , 2006, 40, 236-250.	1.2	111
6	Molecular phylogenetics of Meliaceae (Sapindales) based on nuclear and plastid DNA sequences. <i>American Journal of Botany</i> , 2003, 90, 471-480.	0.8	100
7	Mountains as Evolutionary Arenas: Patterns, Emerging Approaches, Paradigm Shifts, and Their Implications for Plant Phylogeographic Research in the Tibeto-Himalayan Region. <i>Frontiers in Plant Science</i> , 2019, 10, 195.	1.7	94
8	Molecular phylogenetics and molecular clock dating of Sapindales based on plastid <i>rbcl</i> , <i>atpB</i> and <i>trnL-trnF</i> DNA sequences. <i>Taxon</i> , 2016, 65, 1019-1036.	0.4	87
9	Origins of global mountain plant biodiversity: Testing the 'mountain-geobiodiversity hypothesis'. <i>Journal of Biogeography</i> , 2019, 46, 2826-2838.	1.4	87
10	Pleistocene refugia and recolonization routes in the southern Andes: insights from <i>Hypochoeris palustris</i> (Asteraceae, Lactuceae). <i>Molecular Ecology</i> , 2004, 14, 203-212.	2.0	74
11	Evaluation of candidate DNA barcoding loci for economically important timber species of the mahogany family (Meliaceae). <i>Molecular Ecology Resources</i> , 2011, 11, 450-460.	2.2	72
12	The origin and evolution of Indomalayan, Australasian and Pacific island biotas: insights from <i>Aglaiae</i> (Meliaceae, Sapindales). <i>Journal of Biogeography</i> , 2008, 35, 1769-1789.	1.4	70
13	Phylogenetic analysis of phagotrophic, photomorph and osmotrophic euglenoids by using the nuclear 18S rDNA sequence.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2001, 51, 783-791.	0.8	69
14	Polyploidy promotes species diversification of <i>Allium</i> through ecological shifts. <i>New Phytologist</i> , 2020, 225, 571-583.	3.5	68
15	<i>Aglaia</i> (Meliaceae): an evaluation of taxonomic concepts based on DNA data and secondary metabolites. <i>American Journal of Botany</i> , 2005, 92, 534-543.	0.8	55
16	Placing Biebersteiniaceae, a herbaceous clade of Sapindales, in a temporal and geographic context. <i>Plant Systematics and Evolution</i> , 2007, 266, 233-252.	0.3	55
17	Evolutionary radiations in the species-rich mountain genus <i>Saxifraga</i> L.. <i>BMC Evolutionary Biology</i> , 2017, 17, 119.	3.2	55
18	Molecular phylogenetics, morphology and a revised classification of the complex genus <i>Saxifraga</i> (Saxifragaceae). <i>Taxon</i> , 2015, 64, 1159-1187.	0.4	54

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19	Phylogenetic relationships within the cosmopolitan buckthorn family (Rhamnaceae) support the resurrection of <i>Sarcomphalus</i> and the description of <i>Pseudoziziphus</i> gen. nov.. <i>Taxon</i> , 2016, 65, 47-64.	0.4	54
20	LCVP, The Leipzig catalogue of vascular plants, a new taxonomic reference list for all known vascular plants. <i>Scientific Data</i> , 2020, 7, 416.	2.4	53
21	Biogeography of <i>Cedrela</i> (Meliaceae, Sapindales) in Central and South America. <i>American Journal of Botany</i> , 2010, 97, 511-518.	0.8	50
22	Molecular phylogenetics of Neotropical Cedreleae (mahogany family, Meliaceae) based on nuclear and plastid DNA sequences reveal multiple origins of <i>Cedrela odorata</i> . <i>Molecular Phylogenetics and Evolution</i> , 2009, 52, 461-469.	1.2	46
23	Dispersal routes between biodiversity hotspots in Asia: the case of the mountain genus <i>Tripterospermum</i> (Gentianinae, Gentianaceae) and its close relatives. <i>Journal of Biogeography</i> , 2016, 43, 580-590.	1.4	40
24	Increasing phylogenetic support for explosively radiating taxa: The promise of high-throughput sequencing for <i>Oxytropis</i> (Fabaceae). <i>Journal of Systematics and Evolution</i> , 2017, 55, 385-404.	1.6	39
25	Niche evolution through time and across continents: The story of Neotropical <i>Cedrela</i> (Meliaceae). <i>American Journal of Botany</i> , 2013, 100, 1800-1810.	0.8	35
26	Spatio-temporal evolution of <i>Allium</i> L. in the Qinghai-Tibet-Plateau region: Immigration and in situ radiation. <i>Plant Diversity</i> , 2017, 39, 167-179.	1.8	34
27	A New Tribal Classification of Grewioideae (Malvaceae) Based on Morphological and Molecular Phylogenetic Evidence. <i>Systematic Botany</i> , 2012, 37, 699-711.	0.2	31
28	West to east dispersal in a widespread animal-dispersed woody angiosperm genus (<i>Aglaia</i>)	0.4	31
29	Key innovations and climatic niche divergence as drivers of diversification in subtropical Gentianinae in southeastern and eastern Asia. <i>American Journal of Botany</i> , 2016, 103, 899-911.	0.8	31
30	The influence of the Gondwanan breakup on the biogeographic history of the ziziphoids (Rhamnaceae). <i>Journal of Biogeography</i> , 2018, 45, 2669-2677.	1.4	28
31	Wax plants (<i>Hoya</i> , Apocynaceae) evolution: Epiphytism drives successful radiation. <i>Taxon</i> , 2014, 63, 89-102.	0.4	27
32	Two new genera of Gentianinae (Gentianaceae): <i>Sinogentiana</i> and <i>Kuepferia</i> supported by molecular phylogenetic evidence. <i>Taxon</i> , 2014, 63, 342-354.	0.4	27
33	Genetic diversity and geographic structure in <i>Aglaia elaeagnoidea</i> (Meliaceae)	0.1	25
34	Driving forces behind evolutionary radiations: <i>Saxifraga</i> section <i>Ciliatae</i> (Saxifragaceae) in the region of the Qinghai-Tibet Plateau. <i>Botanical Journal of the Linnean Society</i> , 2018, 186, 304-320.	0.8	24
35	Abundance and Vertical Distribution of the Phytobenthic Community within a Pool and Riffle Sequence of an Alpine Gravel Stream. <i>International Review of Hydrobiology</i> , 2003, 88, 243-254.	0.5	22
36	An evaluation of taxonomic concepts of the widespread plant genus <i>Aglaia</i> and its allies across Wallace's Line (tribe Aglaieae, Meliaceae). <i>Molecular Phylogenetics and Evolution</i> , 2014, 73, 65-76.	1.2	21

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37	Analysis of the cosmopolitan buckthorn genera <i>Frangula</i> and <i>Rhamnus</i> s.l. supports the description of a new genus, <i>Ventia</i> . <i>Taxon</i> , 2016, 65, 65-78.	0.4	21
38	Evaluation of plant sources for antiinfective lead compound discovery by correlating phylogenetic, spatial, and bioactivity data. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12444-12451.	3.3	19
39	Conflicting patterns of genetic and morphological variation in European <i>Gentianella</i> section <i>Gentianella</i> . <i>Botanical Journal of the Linnean Society</i> , 2005, 148, 175-187.	0.8	18
40	The melding of systematics and biogeography through investigations at the populational level: examples from the genus <i>Hypochaeris</i> (Asteraceae). <i>Basic and Applied Ecology</i> , 2003, 4, 287-296.	1.2	16
41	Comparative ultrastructure of the cytoskeleton and nucleus of <i>Distigma</i> (euglenozoa). <i>European Journal of Protistology</i> , 1999, 35, 309-318.	0.5	15
42	Biogeography of Neotropical Meliaceae: geological connections, fossil and molecular evidence revisited. <i>Revista Brasileira De Botanica</i> , 2022, 45, 527-543.	0.5	14
43	Biogeographic analyses support an Australian origin for the Indomalasian-Australasian wet forest-adapted tropical tree and shrub genus <i>Alphitonia</i> and its close allies (Rhamnaceae). <i>Botanical Journal of the Linnean Society</i> , 2018, 188, 1-20.	0.8	13
44	CEDRELA NGOBE (MELIACEAE), A NEW SPECIES FROM PANAMA AND COSTA RICA. <i>Edinburgh Journal of Botany</i> , 2015, 72, 225-233.	0.4	10
45	PHYLOGENETIC RELATIONSHIPS IN TRICHILIA (MELIACEAE) BASED ON RIBOSOMAL ITS SEQUENCES. <i>Phytotaxa</i> , 2016, 259, 6.	0.1	10
46	Genetic diversity and distribution of <i>Senegalia senegal</i> (L.) Britton under climate change scenarios in West Africa. <i>PLoS ONE</i> , 2018, 13, e0194726.	1.1	10
47	Evolution of reproductive traits in the mahogany family (Meliaceae). <i>Journal of Systematics and Evolution</i> , 2021, 59, 21-43.	1.6	10
48	Analysis of Unusual Sulfated Constituents and Anti-infective Properties of Two Indonesian Mangroves, <i>Lumnitzera littorea</i> and <i>Lumnitzera racemosa</i> (Combretaceae). <i>Separations</i> , 2021, 8, 82.	1.1	9
49	Genetic diversity of <i>Cedrela fissilis</i> (Meliaceae) in the Brazilian Atlantic Forest reveals a complex phylogeographic history driven by Quaternary climatic fluctuations. <i>Journal of Systematics and Evolution</i> , 2019, 57, 655-669.	1.6	8
50	Structure of Chimpanzee Gut Microbiomes across Tropical Africa. <i>MSystems</i> , 2021, 6, e0126920.	1.7	8
51	Pleistocene refugia and genetic diversity patterns in West Africa: Insights from the liana <i>Chasmanthera dependens</i> (Menispermaceae). <i>PLoS ONE</i> , 2017, 12, e0170511.	1.1	7
52	Phylogenetic position and taxonomic disposition of <i>Turraea breviflora</i> (Meliaceae), a hitherto enigmatic species. <i>Blumea: Journal of Plant Taxonomy and Plant Geography</i> , 2008, 53, 607-616.	0.1	5
53	Invertebrate-mediated dispersal plays an important role in shaping the current distribution of a herbaceous monocot. <i>Journal of Biogeography</i> , 2021, 48, 1101-1111.	1.4	5
54	Two new species and a new species record of <i>Aglaia</i> (Meliaceae) from Indonesia. <i>PhytoKeys</i> , 2020, 155, 33-51.	0.4	5

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55	Confirmed polyphyly, generic recircumscription and typification of <i>Dysoxylum</i> (Meliaceae), with revised disposition of currently accepted species. <i>Taxon</i> , 2021, 70, 1248-1272.	0.4	5
56	Two New Species of the Asian Genus <i>Tripterosperrum</i> (Gentianaceae). <i>Systematic Botany</i> , 2013, 38, 224-234.	0.2	4
57	Testing the forest refuge hypothesis in sub-Saharan Africa using species distribution modeling for a key savannah tree species, <i>Senegalia senegal</i> (L.) Britton. <i>Frontiers of Biogeography</i> , 2020, 12, .	0.8	4
58	Climate change will disproportionately affect the most genetically diverse lineages of a widespread African tree species. <i>Scientific Reports</i> , 2022, 12, 7035.	1.6	3
59	Taxonomic comments on the genus <i>Menoidium</i> (Euglenozoa), with a description of <i>Menoidium intermedium</i> sp. nov.. <i>European Journal of Protistology</i> , 2002, 38, 393-404.	0.5	2
60	Comparative leaf micromorphology of <i>Drypetes</i> and <i>Putranjiva</i> (Putranjivaceae) and its taxonomic significance. <i>Botanical Journal of the Linnean Society</i> , 2021, 195, 139-160.	0.8	2
61	DIVERSITY AND DISTRIBUTION OF NIGERIAN LEGUMES (FABACEAE) . <i>Phytotaxa</i> , 2021, 480, 103-124.	0.1	2
62	<i>Cyrtandra argentii</i> , a new species of <i>Cyrtandra</i> (Gesneriaceae) from the Philippines, and a review of the <i>C. villosissima</i> group. <i>European Journal of Taxonomy</i> , 2020, , .	0.6	2
63	A synopsis of Philippine <i>Cyrtandra</i> (Gesneriaceae). <i>Taxon</i> , 2022, 71, 1084-1106.	0.4	2
64	Replacement names for <i>Cyrtandra humilis</i> Elmer and <i>Cyrtandra umbellata</i> Kraenzl., two endemic Philippine species (Gesneriaceae) . <i>Phytotaxa</i> , 2019, 418, 117-118.	0.1	1
65	Mountain biogeography coming full circle: a new 3D floristic approach provides units for reconstructing evolutionary trajectories. <i>New Phytologist</i> , 2021, 232, 964-966.	3.5	1
66	A New and Improved Online Catalogue of all Extant Vascular Plant Names Available. <i>Taxon</i> , 2021, 70, 223-223.	0.4	0