

Maria S Vorontsova

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

2,719
citations

257101

24
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214527

47
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87
all docs

87
docs citations

87
times ranked

3647
citing authors

#	ARTICLE	IF	CITATIONS
1	Global dataset shows geography and life form predict modern plant extinction and rediscovery. <i>Nature Ecology and Evolution</i> , 2019, 3, 1043-1047.	3.4	247
2	Anatomical enablers and the evolution of C ₄ photosynthesis in grasses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 1381-1386.	3.3	239
3	Taxonomy based on science is necessary for global conservation. <i>PLoS Biology</i> , 2018, 16, e2005075.	2.6	149
4	A 250 plastome phylogeny of the grass family (Poaceae): topological support under different data partitions. <i>PeerJ</i> , 2018, 6, e4299.	0.9	138
5	Wild Relatives of the Eggplant (<i>Solanum melongena</i> L.: Solanaceae): New Understanding of Species Names in a Complex Group. <i>PLoS ONE</i> , 2013, 8, e57039.	1.1	134
6	A global database of C ₄ photosynthesis in grasses. <i>New Phytologist</i> , 2014, 204, 441-446.	3.5	123
7	Native or Exotic? Double or Single? Evaluating Plants for Pollinator-friendly Gardens. <i>Annals of Botany</i> , 2001, 87, 219-232.	1.4	121
8	From museums to genomics: old herbarium specimens shed light on a C ₃ to C ₄ transition. <i>Journal of Experimental Botany</i> , 2014, 65, 6711-6721.	2.4	109
9	African spiny <i>Solanum</i> (subgenus <i>Leptostemonum</i> , Solanaceae): a thorny phylogenetic tangle. <i>Botanical Journal of the Linnean Society</i> , 2013, 173, 176-193.	0.8	96
10	Madagascar's grasses and grasslands: anthropogenic or natural?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20152262.	1.2	83
11	Photosynthetic innovation broadens the niche within a single species. <i>Ecology Letters</i> , 2015, 18, 1021-1029.	3.0	75
12	AusTraits, a curated plant trait database for the Australian flora. <i>Scientific Data</i> , 2021, 8, 254.	2.4	73
13	Grass diversification in Madagascar: In situ radiation of two large C ₃ shade clades and support for a Miocene to Pliocene origin of C ₄ grassy biomes. <i>Journal of Biogeography</i> , 2018, 45, 750-761.	1.4	72
14	The global distribution of bamboos: assessing correlates of introduction and invasion. <i>AoB PLANTS</i> , 2016, , plw078.	1.2	69
15	Phylogenomics and taxonomy of <i>Lecomtelleae</i> (Poaceae), an isolated panicoid lineage from Madagascar. <i>Annals of Botany</i> , 2013, 112, 1057-1066.	1.4	51
16	Genome biogeography reveals the intraspecific spread of adaptive mutations for a complex trait. <i>Molecular Ecology</i> , 2016, 25, 6107-6123.	2.0	51
17	Fire and grazing determined grasslands of central Madagascar represent ancient assemblages. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200598.	1.2	48
18	Grass Functional Traits Differentiate Forest and Savanna in the Madagascar Central Highlands. <i>Frontiers in Ecology and Evolution</i> , 2018, 6, .	1.1	45

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19	C ₄ anatomy can evolve via a single developmental change. <i>Ecology Letters</i> , 2019, 22, 302-312.	3.0	40
20	Tall-statured grasses: a useful functional group for invasion science. <i>Biological Invasions</i> , 2019, 21, 37-58.	1.2	36
21	Museomics resolve the systematics of an endangered grass lineage endemic to north-western Madagascar. <i>Annals of Botany</i> , 2017, 119, 339-351.	1.4	34
22	Contrasting dispersal histories of broad- and fine-leaved temperate Loliinae grasses: range expansion, founder events, and the roles of distance and barriers. <i>Journal of Biogeography</i> , 2017, 44, 1980-1993.	1.4	32
23	Negative correlation between rates of molecular evolution and flowering cycles in temperate woody bamboos revealed by plastid phylogenomics. <i>BMC Plant Biology</i> , 2017, 17, 260.	1.6	27
24	Continued Adaptation of C4 Photosynthesis After an Initial Burst of Changes in the Andropogoneae Grasses. <i>Systematic Biology</i> , 2020, 69, 445-461.	2.7	27
25	Plastome phylogenomics of sugarcane and relatives confirms the segregation of the genus <i>Tripidium</i> (Poaceae: Andropogoneae). <i>Taxon</i> , 2019, 68, 246-267.	0.4	26
26	Multidimensional structure of grass functional traits among species and assemblages. <i>Journal of Vegetation Science</i> , 2016, 27, 1047-1060.	1.1	25
27	Botanical Monography in the Anthropocene. <i>Trends in Plant Science</i> , 2021, 26, 433-441.	4.3	23
28	A revision of the 'African Non-Spiny' Clade of <i>Solanum</i> L. (<i>Solanum</i> sections <i>Afrosolanum</i> Bitter.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 T</i>	0.4	22
29	The recent and rapid spread of <i>Themeda triandra</i> . <i>Botany Letters</i> , 2017, 164, 327-337.	0.7	22
30	Late Quaternary climate stability and the origins and future of global grass endemism. <i>Annals of Botany</i> , 2017, 119, 279-288.	1.4	21
31	Fewer than three percent of land plant species named by women: Author gender over 260 years. <i>Taxon</i> , 2015, 64, 209-215.	0.4	19
32	Late Miocene origin and recent population collapse of the Malagasy savanna olive tree (<i>Noronhia</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 T</i>	0.7	19
33	ddRAD analyses reveal a credible phylogenetic relationship of the four main genera of <i>Bambusa-Dendrocalamus-Gigantochloa</i> complex (Poaceae: Bambusoideae). <i>Molecular Phylogenetics and Evolution</i> , 2020, 146, 106758.	1.2	19
34	Contrasted histories of organelle and nuclear genomes underlying physiological diversification in a grass species. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201960.	1.2	18
35	Molecular phylogenetics of tribe Poranthereae (Phyllanthaceae; Euphorbiaceae sensu lato). <i>American Journal of Botany</i> , 2007, 94, 2026-2040.	0.8	17
36	A new species of <i>Solanum</i> (Solanaceae) from South Africa related to the cultivated eggplant. <i>PhytoKeys</i> , 2012, 8, 1.	0.4	17

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37	Plant identification is key to conservation. <i>Nature</i> , 2015, 521, 161-161.	13.7	16
38	Geographical structure of genetic diversity in <i>Loudetia simplex</i> (Poaceae) in Madagascar and South Africa. <i>Botanical Journal of the Linnean Society</i> , 2021, 196, 81-99.	0.8	16
39	Does infraspecific taxonomy match species evolutionary history? A phylogeographic study of <i>Arundo formosana</i> (Poaceae). <i>Botanical Journal of the Linnean Society</i> , 2017, 183, 236-249.	0.8	15
40	Historical legacies and ecological determinants of grass naturalizations worldwide. <i>Ecography</i> , 2020, 43, 1373-1385.	2.1	15
41	Complex polyploid and hybrid species in an apomictic and sexual tropical forage grass group: genomic composition and evolution in <i>Urochloa</i> (<i>Brachiaria</i>) species. <i>Annals of Botany</i> , 2023, 131, 87-108.	1.4	15
42	Land-use intensification increases richness of native and exotic herbaceous plants, but not endemics, in Malagasy vanilla landscapes. <i>Diversity and Distributions</i> , 2021, 27, 784-798.	1.9	14
43	Revision of <i>Andropogon</i> and <i>Diectomis</i> (Poaceae: Sacchareae) in Madagascar and the new <i>Andropogon itremoensis</i> from the Itremo Massif. <i>Kew Bulletin</i> , 2013, 68, 193-207.	0.4	13
44	The endemic "sugar canes" of Madagascar (Poaceae, Saccharinae: Lasiorrhachis) are close relatives of sorghum. <i>Botanical Journal of the Linnean Society</i> , 2020, 192, 148-164.	0.8	13
45	Inequality in plant diversity knowledge and unrecorded plant extinctions: An example from the grasses of Madagascar. <i>Plants People Planet</i> , 2021, 3, 45-60.	1.6	13
46	Grass survey of the Itremo Massif records endemic central highland grasses. <i>Madagascar Conservation and Development</i> , 2017, 12, .	0.1	12
47	A phylogenetic classification of tribe Poranthereae (Phyllanthaceae, Euphorbiaceae sensu lato). <i>Kew Bulletin</i> , 2008, 63, 41-59.	0.4	11
48	Lost Berlin (B) types of <i>Solanum</i> (Solanaceae) found in Göttingen (GOET). <i>Taxon</i> , 2010, 59, 1585-1601.	0.4	11
49	Updating classifications to reflect monophyly: 10 to 20 percent of species names change in Poaceae. <i>Taxon</i> , 2012, 61, 735-746.	0.4	11
50	Herbarium genomics retraces the origins of C4-specific carbonic anhydrase in Andropogoneae (Poaceae). <i>Botany Letters</i> , 2018, 165, 419-433.	0.7	11
51	Indigenous Species Names in Algae, Fungi and Plants: A Comment on Gillman & Wright (2020). <i>Taxon</i> , 2020, 69, 1409-1410.	0.4	11
52	In search of the phylogenetic affinity of the temperate woody bamboos from Madagascar, with description of a new species (Bambusoideae, Poaceae). <i>Journal of Systematics and Evolution</i> , 2017, 55, 453-465.	1.6	10
53	Complex evolutionary history of two ecologically significant grass genera, <i>Themeda</i> and <i>Heteropogon</i> (Poaceae: Panicoideae: Andropogoneae). <i>Botanical Journal of the Linnean Society</i> , 2021, 196, 437-455.	0.8	10
54	Plant height and lifespan predict range size in southern African grasses. <i>Journal of Biogeography</i> , 2021, 48, 3047-3059.	1.4	10

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55	Revision of the genus <i>Leptopus</i> (Phyllanthaceae, Euphorbiaceae sensu lato). <i>Kew Bulletin</i> , 2009, 64, 627-644.	0.4	9
56	Grassroots e-floras in the Poaceae: growing GrassBase and GrassWorld. <i>PhytoKeys</i> , 2015, 48, 73-84.	0.4	9
57	Effect of 5-azacytidine and trichostatin A on somatic centromere association in wheat. <i>Genome</i> , 2004, 47, 399-403.	0.9	8
58	From introduced American weed to Cape Verde Islands endemic: the case of <i>Solanum rigidum</i> Lam. (Solanaceae, <i>Solanum</i> subgenus <i>Leptostemonum</i>). <i>PhytoKeys</i> , 2013, 25, 35-46.	0.4	7
59	Pollen of Malagasy grasses as a potential tool for interpreting grassland palaeohistory. <i>Grana</i> , 2015, 54, 247-262.	0.4	7
60	Beyond ancient versus anthropogenic for Madagascar's grassy ecosystems. A Reply to: Crowley <i>et al.</i> (2021). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20210388.	1.2	7
61	Phylogeny, classification, and biogeography of <i>Afrotrichloris</i> , <i>Apochiton</i> , <i>Coelachyrum</i> , <i>Dinebra</i> , <i>Eleusine</i> , <i>Leptochloa</i> , <i>Schoenefeldia</i> , and a new genus, <i>Schoenefeldiella</i> (Poaceae: Chloridoideae). <i>Tj ETQq1 1 0.784314 rgBT/Overlock</i>		
62	Dichotomous keys to the species of <i>Solanum</i> L. (Solanaceae) in continental Africa, Madagascar (incl.). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i>	0.4	7
63	Three New Species of <i>Solanum</i> from Kenya: Using Herbarium Specimens to Document Environmental Change. <i>Systematic Botany</i> , 2010, 35, 894-906.	0.2	6
64	The Genus <i>Sartidia</i> (Poaceae: Aristidoideae) in Madagascar. <i>Systematic Botany</i> , 2015, 40, 448-453.	0.2	6
65	Shade alters the growth and architecture of tropical grasses by reducing root biomass. <i>Biotropica</i> , 2021, 53, 1052-1062.	0.8	6
66	Two new species of <i>Panicum</i> sensu lato (Poaceae: Panicoideae) from Madagascar. <i>Kew Bulletin</i> , 2014, 69, 1.	0.4	5
67	Reply to: Regional records improve data quality in determining plant extinction rates. <i>Nature Ecology and Evolution</i> , 2020, 4, 515-516.	3.4	5
68	<i>Andrachne cuneifolia</i> (Phyllanthaceae; Euphorbiaceae s.l.) is a <i>Phyllanthus</i> . <i>Botanical Journal of the Linnean Society</i> , 0, 155, 519-525.	0.8	4
69	Revision of the group previously known as <i>Panicum</i> L. (Poaceae: Panicoideae) in Madagascar. <i>Candollea</i> , 2018, 73, 143.	0.1	4
70	New <i>Solanum</i> Species from Tanzanian Coastal Forests May Already be Extinct. <i>Journal of the East Africa Natural History Society and National Museum</i> , 2010, 99, 227-234.	1.0	3
71	Variable morphology of the Madagascar endemic <i>Aristida tenuissima</i> (Poaceae). <i>Tj ETQq1 1 0.784314 rgBT /Overlock</i> <i>Phytotaxa</i> , 2013, 92, 55.	0.1	3
72	Three New Grass Records for Madagascar. <i>Candollea</i> , 2014, 69, 85.	0.1	3

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73	Research presented at the MonocotsVI/GrassesVII meeting: knowledge of Poaceae taken to a new level, largely by Brazilian scientists and by women. <i>Botanical Journal of the Linnean Society</i> , 2020, 192, 1-6.	0.8	3
74	<p>A new combination in the genus Tripidium (Poaceae: Tj ETQq0 0 0 rgBT /Overlçk 10 Tf 5	0.1	2
75	Phylogenetically Distinct and Critically Endangered New Tree Species of <i>Phyllanthus</i> from Cameroon (Phyllanthaceae, Euphorbiaceae s. l.). <i>Systematic Botany</i> , 2011, 36, 933-938.	0.2	1
76	Late Miocene origin and recent population collapse of the Malagasy savanna olive tree (<i>Noronhia</i>) Tj ETQq0 0 0 rgBT /Overlçk 10 Tf 5	0.7	1
77	The genus <i>Tristachya</i> (Poaceae: Panicoideae) in Madagascar. <i>Kew Bulletin</i> , 2021, 76, 751-760.	0.4	1
78	<i>Heteropogon</i>â€<i>Themeda</i> grasses evolve to occupy either tropical grassland or wetland biomes. <i>Journal of Systematics and Evolution</i> , 2022, 60, 653-674.	1.6	1
79	New insights into intergeneric relationships of <i>Hickeliinae</i> (Poaceae: Bambusoideae) revealed by complete plastid genomes. <i>Plant Diversity</i> , 2023, 45, 125-132.	1.8	1
80	<i>Digitaria bosseri</i> (Poaceae: Panicoideae), a new grass from Madagascar. <i>Kew Bulletin</i> , 2017, 72, 1.	0.4	0
81	<i>Cenchrus pseudotriticoides</i> (Poaceae: Panicoideae), a resilient pyrophyte grass from Central Madagascar. <i>Kew Bulletin</i> , 2021, 76, 71-75.	0.4	0
82	<p>Checklist of Kilimanjaro grasses shows that both plot and herbarium methods are necessary to record diversity</p></p>. <i>Phytotaxa</i> , 2021, 501, 201-244.	0.1	0