MarcusÂ A Koch

List of Publications by Year
in descending order

193 papers	12,709 citations	26630 56 h-index	30087 103 g-index
201 all docs	201 docs citations	201 times ranked	10137 citing authors

#	Article	IF	Citations
1	One thousand plant transcriptomes and theÂphylogenomics of green plants. Nature, 2019, 574, 679-685.	27.8	1,162
2	Comparative Evolutionary Analysis of Chalcone Synthase and Alcohol Dehydrogenase Loci in Arabidopsis, Arabis, and Related Genera (Brassicaceae). Molecular Biology and Evolution, 2000, 17, 1483-1498.	8.9	836
3	Chromosome triplication found across the tribe Brassiceae. Genome Research, 2005, 15, 516-525.	5.5	598
4	Molecular systematics of the Brassicaceae: evidence from coding plastidic matK and nuclear Chs sequences. American Journal of Botany, 2001, 88, 534-544.	1.7	350
5	Cabbage family affairs: the evolutionary history of Brassicaceae. Trends in Plant Science, 2011, 16, 108-116.	8.8	341
6	Toward a Global Phylogeny of the Brassicaceae. Molecular Biology and Evolution, 2006, 23, 2142-2160.	8.9	337
7	Molecular Phylogenetics, Temporal Diversification, and Principles of Evolution in the Mustard Family (Brassicaceae). Molecular Biology and Evolution, 2010, 27, 55-71.	8.9	306
8	Resolution of Brassicaceae Phylogeny Using Nuclear Genes Uncovers Nested Radiations and Supports Convergent Morphological Evolution. Molecular Biology and Evolution, 2016, 33, 394-412.	8.9	259
9	Keeping Cell Identity in Arabidopsis Requires PRC1 RING-Finger Homologs that Catalyze H2A Monoubiquitination. Current Biology, 2010, 20, 1853-1859.	3.9	252
10	Multiple Hybrid Formation in Natural Populations: Concerted Evolution of the Internal Transcribed Spacer of Nuclear Ribosomal DNA (ITS) in North American Arabis divaricarpa (Brassicaceae). Molecular Biology and Evolution, 2003, 20, 338-350.	8.9	212
11	A Time-Calibrated Road Map of Brassicaceae Species Radiation and Evolutionary History. Plant Cell, 2015, 27, tpc.15.00482.	6.6	200
12	Sequencing of the genus Arabidopsis identifies a complex history of nonbifurcating speciation and abundant trans-specific polymorphism. Nature Genetics, 2016, 48, 1077-1082.	21.4	198
13	Genetic consequences of Pleistocene range shifts: contrast between the Arctic, the Alps and the East African mountains. Molecular Ecology, 2007, 16, 2542-2559.	3.9	183
14	Poorly known relatives of Arabidopsis thaliana. Trends in Plant Science, 2006, 11, 449-459.	8.8	174
15	VAL- and AtBMI1-Mediated H2Aub Initiate the Switch from Embryonic to Postgerminative Growth in Arabidopsis. Current Biology, 2013, 23, 1324-1329.	3.9	172
16	Molecular Systematics and Evolution of Arabidopsis and Arabis. Plant Biology, 1999, 1, 529-537.	3.8	169
17	Closing the gaps: phylogenetic relationships in the Brassicaceae based on DNA sequence data of nuclear ribosomal ITS region. Plant Systematics and Evolution, 2010, 285, 209-232.	0.9	169
18	Phylogeography of a living fossil: Pleistocene glaciations forced Ginkgo biloba L. (Ginkgoaceae) into two refuge areas in China with limited subsequent postglacial expansion. Molecular Phylogenetics and Evolution, 2008, 48, 1094-1105.	2.7	159

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19	The Dynamic Ups and Downs of Genome Size Evolution in Brassicaceae. Molecular Biology and Evolution, 2008, 26, 85-98.	8.9	158
20	Three times out of Asia Minor: the phylogeography of Arabis alpina L. (Brassicaceae). Molecular Ecology, 2006, 15, 825-839.	3.9	157
21	Comparing the Linkage Maps of the Close Relatives Arabidopsis lyrata and A. thaliana. Genetics, 2004, 168, 1575-1584.	2.9	156
22	Improving and correcting the contiguity of long-read genome assemblies of three plant species using optical mapping and chromosome conformation capture data. Genome Research, 2017, 27, 778-786.	5.5	155
23	Plastome phylogeny and early diversification of Brassicaceae. BMC Genomics, 2017, 18, 176.	2.8	137
24	Molecular Systematics, Evolution, and Population Biology in the Mustard Family (Brassicaceae). Annals of the Missouri Botanical Garden, 2003, 90, 151.	1.3	136
25	Sexual reproduction, hybridization, apomixis, and polyploidization in the genus Boechera (Brassicaceae). American Journal of Botany, 2005, 92, 1797-1810.	1.7	131
26	Genome evolution among cruciferous plants: a lecture from the comparison of the genetic maps of three diploid speciesâ€"Capsella rubella, Arabidopsis lyrata subsp. petraea, and A. thaliana. American Journal of Botany, 2005, 92, 761-767.	1.7	131
27	Identification of target amino acids that affect interactions of fungal polygalacturonases and their plant inhibitors. Physiological and Molecular Plant Pathology, 2000, 56, 117-130.	2.5	127
28	Extensive chloroplast haplotype variation indicates Pleistocene hybridization and radiation of North American Arabis drummondii, A.ÂÃ—Âdivaricarpa, and A. holboellii (Brassicaceae). Molecular Ecology, 2004, 13, 349-370.	3.9	127
29	Supernetwork Identifies Multiple Events of Plastid trnF(GAA) Pseudogene Evolution in the Brassicaceae. Molecular Biology and Evolution, 2007, 24, 63-73.	8.9	124
30	BrassiBase: Introduction to a Novel Knowledge Database on Brassicaceae Evolution. Plant and Cell Physiology, 2014, 55, e3-e3.	3.1	117
31	Evolution and genetic differentiation among relatives of Arabidopsis thaliana. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 6272-6277.	7.1	109
32	The evolutionary history of the Arabidopsis lyrata complex: a hybrid in the amphi-Beringian area closes a large distribution gap and builds up a genetic barrier. BMC Evolutionary Biology, 2010, 10, 98.	3.2	104
33	Molecular phylogenetics ofThlaspis.l. (Brassicaceae) based on chloroplast DNA restriction site variation and sequences of the internal transcribed spacers of nuclear ribosomal DNA. Canadian Journal of Botany, 1997, 75, 469-482.	1.1	100
34	The importance of Anatolian mountains as the cradle of global diversity in Arabis alpina, a key arcticâ€"alpine species. Annals of Botany, 2011, 108, 241-252.	2.9	90
35	Comparative genome analysis reveals extensive conservation of genome organisation for Arabidopsis thaliana and Capsella rubella. Plant Journal, 2000, 23, 55-62.	5.7	86
36	Arabidopsis hybrid speciation processes. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14192-14197.	7.1	85

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37	Intraspecific diversification in North AmericanBoechera stricta(=Arabis) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 752 T inferred from nuclear and chloroplast molecular markersâ€"an integrative approach. American Journal of Botany, 2004, 91, 2087-2101.	1.7	83
38	Non-coding nuclear DNA markers in phylogenetic reconstruction. Plant Systematics and Evolution, 2009, 282, 257-280.	0.9	80
39	A world-wide perspective on crucifer speciation and evolution: phylogenetics, biogeography and trait evolution in tribe Arabideae. Annals of Botany, 2013, 112, 983-1001.	2.9	79
40	Taxonomy and systematics are key to biological information: Arabidopsis, Eutrema (Thellungiella), Noccaea and Schrenkiella (Brassicaceae) as examples. Frontiers in Plant Science, 2013, 4, 267.	3.6	78
41	Comparative Genomics and Regulatory Evolution: Conservation and Function of the Chs and Apetala3 Promoters. Molecular Biology and Evolution, 2001, 18, 1882-1891.	8.9	77
42	Brassicales phylogeny inferred from 72 plastid genes: A reanalysis of the phylogenetic localization of two paleopolyploid events and origin of novel chemical defenses. American Journal of Botany, 2018, 105, 463-469.	1.7	76
43	Chloroplast DNA Restriction Site Variation and Phylogenetic Relationships in the Genus Thlaspi sensu lato (Brassicaceae). Systematic Botany, 1994, 19, 73.	0.5	73
44	Nested whole-genome duplications coincide with diversification and high morphological disparity in Brassicaceae. Nature Communications, 2020, 11, 3795.	12.8	72
45	Brassicaceae contain nortropane alkaloids. Phytochemistry, 2006, 67, 2050-2057.	2.9	71
46	Interspecific and interploidal gene flow in Central European Arabidopsis (Brassicaceae). BMC Evolutionary Biology, 2011, 11, 346.	3.2	71
47	Biogeography of Mediterranean Hotspot Biodiversity: Re-Evaluating the 'Tertiary Relict' Hypothesis of Macaronesian Laurel Forests. PLoS ONE, 2015, 10, e0132091.	2.5	71
48	BrassiBase: Tools and biological resources to study characters and traits in the Brassicaceaeâ€"version 1.1. Taxon, 2012, 61, 1001-1009.	0.7	70
49	Molecular phylogeny of the genus Vitis (Vitaceae) based on plastid markers. American Journal of Botany, 2010, 97, 1168-1178.	1.7	69
50	Glucosinolate diversity within a phylogenetic framework of the tribeÂCardamineae (Brassicaceae) unraveled with HPLC-MS/MS andÂNMR-based analytical distinction of 70 desulfoglucosinolates. Phytochemistry, 2016, 132, 33-56.	2.9	68
51	Thlaspi s.str. (Brassicaceae) versus Thlaspi s.l.: morphological and anatomical characters in the light of ITS nrDNA sequence data. Plant Systematics and Evolution, 2001, 227, 209-225.	0.9	67
52	Molecular Data Indicate Complex Intra- and Intercontinental Differentiation of American Draba (Brassicaceae). Annals of the Missouri Botanical Garden, 2002, 89, 88.	1.3	67
53	Evolution of the trnF(GAA) Gene in Arabidopsis Relatives and the Brassicaceae Family: Monophyletic Origin and Subsequent Diversification of a Plastidic Pseudogene. Molecular Biology and Evolution, 2005, 22, 1032-1043.	8.9	66
54	Systematics and evolutionary history of heavy metal tolerant Thlaspi caerulescens in Western Europe. Biochemical Systematics and Ecology, 1998, 26, 823-838.	1.3	65

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55	Divergence of annual and perennial species in the Brassicaceae and the contribution of cisâ€acting variation at <scp>FLC</scp> orthologues. Molecular Ecology, 2017, 26, 3437-3457.	3.9	63
56	Taming the wild: resolving the gene pools of non-model Arabidopsislineages. BMC Evolutionary Biology, 2014, 14, 224.	3.2	61
57	Molecular phylogeny and systematics of the genus Draba (Brassicaceae) and identification of its most closely related genera. Molecular Phylogenetics and Evolution, 2010, 55, 524-540.	2.7	60
58	Worldwide phylogeny and biogeography of Cardamine flexuosa (Brassicaceae) and its relatives. American Journal of Botany, 2006, 93, 1206-1221.	1.7	59
59	Arabidopsis thaliana's wild relatives: an updated overview on systematics, taxonomy and evolution. Taxon, 2008, 57, 933.	0.7	59
60	EMBRYOLOGY, KARYOLOGY, AND MODES OF REPRODUCTION IN THE NORTH AMERICAN GENUS BOECHERA (BRASSICACEAE): A COMPILATION OF SEVEN DECADES OF RESEARCH¹. Annals of the Missouri Botanical Garden, 2006, 93, 517-534.	1.3	56
61	On the origin and evolution of apomixis in Boechera. Plant Reproduction, 2013, 26, 309-315.	2.2	56
62	The Evolutionary History of the Arabidopsis arenosa Complex: Diverse Tetraploids Mask the Western Carpathian Center of Species and Genetic Diversity. PLoS ONE, 2012, 7, e42691.	2.5	56
63	Phylogeographic structure of the chloroplast DNA gene pool in North American Boechera â€“ A genus and continental-wide perspective. Molecular Phylogenetics and Evolution, 2009, 52, 303-311.	2.7	55
64	Taxonomic and Phylogenetic Evaluation of the American "Thlaspi" Species: Identity and Relationship to the Eurasian Genus Noccaea (Brassicaceae). Systematic Botany, 2004, 29, 375-384.	0.5	54
65	Hybrid apomicts trapped in the ecological niches of their sexual ancestors. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2357-65.	7.1	54
66	Database Taxonomics as Key to Modern Plant Biology. Trends in Plant Science, 2018, 23, 4-6.	8.8	54
67	Temporal patterns of diversification in Brassicaceae demonstrate decoupling of rate shifts and mesopolyploidization events. Annals of Botany, 2020, 125, 29-47.	2.9	53
68	Molecular phylogenetics ofCochlearia (Brassicaceae) and allied genera based on nuclear ribosomal ITS DNA sequence analysis contradict traditional concepts of their evolutionary relationship. Plant Systematics and Evolution, 1999, 216, 207-230.	0.9	51
69	Regulation of the New Arabidopsis Imprinted Gene AtBMI1C Requires the Interplay of Different Epigenetic Mechanisms. Molecular Plant, 2012, 5, 260-269.	8.3	49
70	Interspecies association mapping links reduced CG to TG substitution rates to the loss of gene-body methylation. Nature Plants, 2019, 5, 846-855.	9.3	48
71	Understanding the formation of Mediterraneanâ€“Africanâ€“Asian disjunctions: evidence for Miocene climateâ€driven vicariance and recent longâ€distance dispersal in the Tertiary relict <scp>S</scp>milax aspera (Smilacaceae). New Phytologist, 2014, 204, 243-255.	7.3	47
72	Isozymes, Speciation and Evolution in the Polyploid Complex Cochlearia L. (Brassicaceae). Botanica Acta, 1998, 111, 411-425.	1.6	45

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73	Molecular data reveal convergence in fruit characters used in the classification ofThlaspi s. l.(Brassicaceae). Botanical Journal of the Linnean Society, 1997, 125, 183-199.	1.6	44
74	Positive selection and ancient duplications in the evolution of class B floral homeotic genes of orchids and grasses. BMC Evolutionary Biology, 2009, 9, 81.	3.2	43
75	Phylogenetic relationships of Thlaspi s.l. (subtribe Thlaspidinae, Lepidieae) and allied genera based on chloroplast DNA restriction-site variation. Theoretical and Applied Genetics, 1996, 92-92, 375-381.	3.6	42
76	Chloroplast DNA restriction site variation and RAPDâ€analyses in Cochlearia (Brassicaceae): Biosystematics and speciation. Nordic Journal of Botany, 1996, 16, 585-603.	0.5	41
77	Comparative biogeography of the cytotypes of annual Microthlaspi perfoliatum (Brassicaceae) in Europe using isozymes and cpDNA data: refugia, diversity centers, and postglacial colonization. American Journal of Botany, 2004, 91, 115-124.	1.7	41
78	Molecules and migration: biogeographical studies in cruciferous plants. Plant Systematics and Evolution, 2006, 259, 121-142.	0.9	41
79	Buffering effects of soil seed banks on plant community composition in response to land use and climate. Global Ecology and Biogeography, 2021, 30, 128-139.	5.8	41
80	Species richness and polyploid patterns in the genusDraba(Brassicaceae): a first global perspective. Plant Ecology and Diversity, 2008, 1, 255-263.	2.4	40
81	Phylogeny of Braya and Neotorularia (Brassicaceae) based on nuclear ribosomal internal transcribed spacer and chloroplast trnL intron sequences. Canadian Journal of Botany, 2004, 82, 376-392.	1.1	39
82	Genetic structure of the widespread and common Mediterranean bryophyte Pleurochaete squarrosa (Brid.) Lindb. (Pottiaceae) - evidence from nuclear and plastidic DNA sequence variation and allozymes. Molecular Ecology, 2007, 16, 709-722.	3.9	39
83	Systematics and evolution of arcticâ€alpine Arabis alpina (Brassicaceae) and its closest relatives in the eastern Mediterranean. American Journal of Botany, 2012, 99, 778-794.	1.7	38
84	An Arabidopsis introgression zone studied at high spatio-temporal resolution: interglacial and multiple genetic contact exemplified using whole nuclear and plastid genomes. BMC Genomics, 2017, 18, 810.	2.8	37
85	Turnip Time Travels: Age Estimates in Brassicaceae. Trends in Plant Science, 2016, 21, 554-561.	8.8	36
86	Colonizing the American continent: Systematics of the genus Arabis in North America (Brassicaceae). American Journal of Botany, 2010, 97, 1040-1057.	1.7	35
87	Midâ€Miocene divergence of Ionopsidium and Cochlearia and its impact on the systematics and biogeography of the tribe Cochlearieae (Brassicaceae). Taxon, 2012, 61, 76-92.	0.7	35
88	Ginkgo bilobaâ€™s footprint of dynamic Pleistocene history dates back only 390,000Âyears ago. BMC Genomics, 2018, 19, 299.	2.8	35
89	Out of China: Distribution history of Ginkgo biloba L.. Taxon, 2010, 59, 495-504.	0.7	33
90	Biogeographic variation in genetic variability, apomixis expression and ploidy of St. John's wort (Hypericum perforatum) across its native and introduced range. Annals of Botany, 2014, 113, 417-427.	2.9	33

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91	Restoration of a salt marsh system: temporal change of plant species diversity and composition. Basic and Applied Ecology, 2003, 4, 441-451.	2.7	32
92	Comparison of two methods characterising the seed bank of amphibious plants in submerged sediments. Aquatic Botany, 2008, 88, 171-177.	1.6	32
93	Genome Evolution in Arabideae Was Marked by Frequent Centromere Repositioning. Plant Cell, 2020, 32, 650-665.	6.6	32
94	Molecular Systematics and Evolution. , 2009, , 1-18.		32
95	Genetic differentiation and speciation in prealpine Cochlearia : Allohexaploid Cochlearia bavarica Vogt (Brassicaceae) compared to its diploid ancestor Cochlearia pyrenaica DC. in Germany and Austria. Plant Systematics and Evolution, 2002, 232, 35-49.	0.9	31
96	Cardamine amara L. (Brassicaceae) in dynamic habitats: Genetic composition and diversity of seed bank and established populations. Basic and Applied Ecology, 2003, 4, 339-348.	2.7	31
97	Phylogeny, Genome, and Karyotype Evolution of Crucifers (Brassicaceae). , 2011, , 1-31.		31
98	Molecular Systematics of the Chinese Yinshania (Brassicaceae): Evidence from Plastid and Nuclear Its DNA Sequence Data. Annals of the Missouri Botanical Garden, 2000, 87, 246.	1.3	30
99	Editorial: Evolution and phylogeny of the Brassicaceae. Plant Systematics and Evolution, 2006, 259, 81-83.	0.9	30
100	Molecular data reveal convergence in fruit characters used in the classification of Thlaspi s. l. (Brassicaceae). Botanical Journal of the Linnean Society, 1997, 125, 183-199.	1.6	29
101	Exogenous selection rather than cytonuclear incompatibilities shapes asymmetrical fitness of reciprocal <scp>A</scp>rabidopsis hybrids. Ecology and Evolution, 2015, 5, 1734-1745.	1.9	27
102	Epithelialâ€“mesenchymal transition of the retinal pigment epithelium causes choriocapillaris atrophy. Histochemistry and Cell Biology, 2016, 146, 769-780.	1.7	27
103	Discovery of key regulators of dark gland development and hypericin biosynthesis in St. John's Wort (Hypericum perforatum). Plant Biotechnology Journal, 2019, 17, 2299-2312.	8.3	27
104	Species richness of the globally distributed, arcticâ€“alpine genus Draba L. (Brassicaceae). Alpine Botany, 2013, 123, 97-106.	2.4	26
105	Cochlearia macrorrhiza (Brassicaceae): A bridging species between Cochlearia taxa from the Eastern Alps and the Carpathians?. Plant Systematics and Evolution, 2003, 242, 137-147.	0.9	25
106	Hotspots of diversity in a clonal world â€" the Mediterranean moss Pleurochaete squarrosa in Central Europe. Molecular Ecology, 2008, 17, 825-838.	3.9	25
107	Systematics, taxonomy and biogeography of three new Asian genera of Brassicaceae tribe Arabideae: An ancient distribution circle around the Asian high mountains. Taxon, 2012, 61, 955-969.	0.7	25
108	Evolution of cryptic gene pools in Hypericum perforatum: the influence of reproductive system and gene flow. Annals of Botany, 2013, 111, 1083-1094.	2.9	25

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109	Underexplored biodiversity of Eastern Mediterranean biota: systematics and evolutionary history of the genusAubrieta(Brassicaceae). Annals of Botany, 2017, 119, 39-57.	2.9	25
110	Intracontinental plant invader shows matching genetic and chemical profiles and might benefit from high defence variation within populations. Journal of Ecology, 2018, 106, 714-726.	4.0	25
111	Secondary Structure Analyses of the Nuclear rRNA Internal Transcribed Spacers and Assessment of Its Phylogenetic Utility across the Brassicaceae (Mustards). PLoS ONE, 2014, 9, e101341.	2.5	24
112	From glacial refugia to wide distribution range: demographic expansion of Loropetalum chinense (Hamamelidaceae) in Chinese subtropical evergreen broadleaved forest. Organisms Diversity and Evolution, 2016, 16, 23-38.	1.6	23
113	A Continental-Wide Perspective: The Genepool of Nuclear Encoded Ribosomal DNA and Single-Copy Gene Sequences in North American Boechera (Brassicaceae). PLoS ONE, 2012, 7, e36491.	2.5	23
114	Living at the dry limits: ecological genetics of Tillandsia landbeckii lomas in the Chilean Atacama Desert. Plant Systematics and Evolution, 2019, 305, 1041-1053.	0.9	22
115	The best of both worlds: Combining lineageâ€specific and universal bait sets in targetâ€enrichment hybridization reactions. Applications in Plant Sciences, 2021, 9, .	2.1	22
116	Molecular biogeography and evolution of the Microthlaspi perfoliatum s.l. polyploid compleÃ— (Brassicaceae): chloroplast DNA and nuclear ribosomal DNA restriction site variation. Canadian Journal of Botany, 1998, 76, 382-396.	1.1	22
117	Evolution of trnF(GAA) pseudogenes in cruciferous plants. Plant Systematics and Evolution, 2009, 282, 229-240.	0.9	20
118	Mining microsatellite markers from public expressed sequence tags databases for the study of threatened plants. BMC Genomics, 2015, 16, 781.	2.8	20
119	The genomic basis of adaptation to calcareous and siliceous soils in Arabidopsis lyrata. Molecular Ecology, 2018, 27, 5088-5103.	3.9	20
120	Parallel reduction in flowering time from de novo mutations enable evolutionary rescue in colonizing lineages. Nature Communications, 2022, 13, 1461.	12.8	20
121	Systematic implications of chloroplast DNA variation inLepidium sectionsCardamon, Lepiocardamon andLepia (Brassicaceae). Plant Systematics and Evolution, 1995, 196, 75-88.	0.9	19
122	Towards understanding the dynamics of hybridization and apomixis in the evolution of the genusBoechera(Brassicaceae). Systematics and Biodiversity, 2007, 5, 321-331.	1.2	19
123	Which changes are needed to render all genera of the German flora monophyletic?. Willdenowia, 2016, 46, 39-91.	0.8	19
124	Phylogeographic implications for the North American boreal-arcticArabidopsis lyratacomplex. Plant Ecology and Diversity, 2008, 1, 245-254.	2.4	18
125	Long-term monitoring of the restoration and development of limestone grasslands in north western Germany: Vegetation screening and soil seed bank analysis. Flora: Morphology, Distribution, Functional Ecology of Plants, 2011, 206, 52-65.	1.2	18
126	Comparison of glucosinolate diversity in the crucifer tribe Cardamineae and the remaining order Brassicales highlights repetitive evolutionary loss and gain of biosynthetic steps. Phytochemistry, 2021, 185, 112668.	2.9	18

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127	A complete digitization of German herbaria is possible, sensible and should be started now. Research Ideas and Outcomes, 0, 6, .	1.0	18
128	Isozyme analysis in the polyploid complex Microthlaspi perfoliatum (L.) F. K. Meyer: Morphology, biogeography and evolutionary history. Flora: Morphology, Distribution, Functional Ecology of Plants, 1999, 194, 33-48.	1.2	16
129	Boechera or not? Phylogeny and phylogeography of eastern North American Boechera species (Brassicaceae). Taxon, 2009, 58, 1109-1121.	0.7	16
130	Nomenclatural adjustments in the tribe Arabideae (Brassicaceae). Plant Diversity and Evolution, 2011, 129, 71-76.	1.1	16
131	Exploring molecular evolution of Rubisco in C3 and CAM Orchidaceae and Bromeliaceae. BMC Evolutionary Biology, 2020, 20, 11.	3.2	16
132	The plant model system Arabidopsis set into an evolutionary, systematic and spatio-temporal context. Journal of Experimental Botany, 2019, 70, 55-67.	4.8	15
133	Molecular biogeography and evolution of theMicrothlaspi perfoliatums.l. polyploid complex (Brassicaceae): chloroplast DNA and nuclear ribosomal DNA restriction site variation. Canadian Journal of Botany, 1998, 76, 382-396.	1.1	14
134	High gene flow in epiphytic ferns despite habitat loss and fragmentation. Conservation Genetics, 2011, 12, 1411-1420.	1.5	14
135	Phylogenetic signatures of adaptation: The Arabis hirsuta species aggregate (Brassicaceae) revisited. Perspectives in Plant Ecology, Evolution and Systematics, 2014, 16, 247-264.	2.7	14
136	Early-Mid Pleistocene genetic differentiation and range expansions as exemplified by invasive Eurasian Bunias orientalis (Brassicaceae) indicates the Caucasus as key region. Scientific Reports, 2017, 7, 16764.	3.3	14
137	Population genomics of Tillandsia landbeckii reveals unbalanced genetic diversity and founder effects in the Atacama Desert. Global and Planetary Change, 2020, 184, 103076.	3.5	14
138	Plastidic trnF_{UUC} Pseudogenes in North American Genus Boechera (Brassicaceae): Mechanistic Aspects of Evolution. Plant Biology, 2007, 9, 502-515.	3.8	13
139	Morphological and genetic variation of highly endangered Bromus species and the status of these Neolithic weeds in Central Europe. Plant Systematics and Evolution, 2016, 302, 515-525.	0.9	13
140	Phylogenetics, phylogeography and vicariance of polyphyletic Grammosciadium (Apiaceae: Careae) in Anatolia. Botanical Journal of the Linnean Society, 2017, 185, 168-188.	1.6	13
141	Adding Complexity to Complexity: Gene Family Evolution in Polyploids. Frontiers in Ecology and Evolution, 2018, 6, .	2.2	13
142	Current status of the multinational Arabidopsis community. Plant Direct, 2020, 4, e00248.	1.9	13
143	Vegetation growth and landscape genetics of Tillandsia lomas at their dry limits in the Atacama Desert show fineâ€scale response to environmental parameters. Ecology and Evolution, 2020, 10, 13260-13274.	1.9	13
144	Heterozygote Wdr36-deficient mice do not develop glaucoma. Experimental Eye Research, 2014, 128, 83-91.	2.6	12

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145	Restriction associated DNA-genotyping at multiple spatial scales in Arabidopsis lyrata reveals signatures of pathogen-mediated selection. BMC Genomics, 2018, 19, 496.	2.8	12
146	Glucosinolate profiles and phylogeny in Barbarea compared to other tribe Cardamineae (Brassicaceae) and Reseda (Resedaceae), based on a library of ion trap HPLC-MS/MS data of reference desulfoglucosinolates. Phytochemistry, 2021, 185, 112658.	2.9	12
147	Spatial distribution and interannual variability of coastal fog and low clouds cover in the hyperarid Atacama Desert and implications for past and present Tillandsia landbeckii ecosystems. Plant Systematics and Evolution, 2021, 307, 1.	0.9	12
148	Molecular Resources from Transcriptomes in the Brassicaceae Family. Frontiers in Plant Science, 2017, 8, 1488.	3.6	11
149	Incongruent range dynamics between coâ€occurring Asian temperate tree species facilitated by life history traits. Ecology and Evolution, 2016, 6, 2346-2358.	1.9	10
150	Policy mixes for biodiversity: a diffusion analysis of state-level citizensâ€™ initiatives in Germany. Journal of Environmental Policy and Planning, 2022, 24, 513-525.	2.8	10
151	Little interspecific pollen transfer despite overlap in pollinators between sympatric Aeonium (Crassulaceae) species pairs. Flora: Morphology, Distribution, Functional Ecology of Plants, 2009, 204, 709-717.	1.2	9
152	A treasure trove of plant biodiversity from the 20th century: the Werner Rauh Heritage Project at Heidelberg Botanical Garden and Herbarium. Plant Systematics and Evolution, 2013, 299, 1793-1800.	0.9	9
153	A new chromosome was born: comparative chromosome painting in Boechera. Trends in Plant Science, 2015, 20, 533-535.	8.8	9
154	Setting the evolutionary timeline: Tillandsia landbeckii in the Chilean Atacama Desert. Plant Systematics and Evolution, 2021, 307, 1.	0.9	9
155	Climate and coastal low-cloud dynamic in the hyperarid Atacama fog Desert and the geographic distribution of Tillandsia landbeckii (Bromeliaceae) dune ecosystems. Plant Systematics and Evolution, 2021, 307, 1.	0.9	9
156	ï»¿Taxonomy of Dianthus (Caryophyllaceae) â€“ overall phylogenetic relationships and assessment of species diversity based on a first comprehensive checklist of the genus. PhytoKeys, 0, 196, 91-214.	1.0	9
157	A new subspecies of Grammosciadium macrodon Boiss. (Apiaceae) from Turkey. Phytotaxa, 2015, 224, 267.	0.3	8
158	Island biogeography of the Macaronesian Gesnouinia and Mediterranean Soleirolia (Parietarieae,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2	0.7	8
159	Phylogeny and systematics of Brassicaceae â€” Introduction. Taxon, 2012, 61, 929-930.	0.7	7
160	Cryptic gene pools in the Hypericum perforatumâ€“H. maculatum complex: diploid persistence versus trapped polyploid melting. Annals of Botany, 2017, 120, 955-966.	2.9	7
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