

# Frank R Blattner

## List of Publications by Year in descending order

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101  
papers

5,102  
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66343

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95266

68  
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104  
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104  
docs citations

104  
times ranked

5645  
citing authors

#	ARTICLE	IF	CITATIONS
1	First Glimpse on Spring Starflower Domestication. <i>Genes</i> , 2022, 13, 243.	2.4	2
2	Genome Size and Chromosome Number Evaluation of <i>Astragalus</i> L. sect. <i>Hymenostegis</i> Bunge (Fabaceae). <i>Plants</i> , 2022, 11, 435.	3.5	1
3	Plant migration under long-lasting hyperaridity – phylogenomics unravels recent biogeographic history in one of the oldest deserts on Earth. <i>New Phytologist</i> , 2022, 234, 1863-1875.	7.3	9
4	Georeferenced phylogenetic analysis of a global collection of wild and cultivated <i>Citrullus</i> species. <i>Ecology and Evolution</i> , 2021, 11, 1918-1936.	1.9	4
5	The phylogeographic history of <i>Krascheninnikovia</i> reflects the development of dry steppes and semi-deserts in Eurasia. <i>Scientific Reports</i> , 2021, 11, 6645.	3.3	10
6	Horizontally Acquired nrDNAs Persist in Low Amounts in Host <i>Hordeum</i> Genomes and Evolve Independently of Native nrDNA. <i>Frontiers in Plant Science</i> , 2021, 12, 672879.	3.6	2
7	Genomic, karyological and morphological changes of South American garlics ( <i>Ipheion</i> ) provide insights into mechanisms of speciation in the Pampean region. <i>Molecular Ecology</i> , 2021, 30, 3716-3729.	3.9	3
8	Pleistocene dynamics of the Eurasian steppe as a driving force of evolution: Phylogenetic history of the genus <i>Capsella</i> (Brassicaceae). <i>Ecology and Evolution</i> , 2021, 11, 12697-12713.	1.9	8
9	Landscape genetics of the endangered Atacama Desert shrub <i>Balsamocarpon brevifolium</i> in the context of habitat fragmentation. <i>Global and Planetary Change</i> , 2020, 184, 103059.	3.5	3
10	Resolving relationships in an exceedingly young Neotropical orchid lineage using Genotyping-by-sequencing data. <i>Molecular Phylogenetics and Evolution</i> , 2020, 144, 106672.	2.7	23
11	Genome-wide sequence information reveals recurrent hybridization among diploid wheat wild relatives. <i>Plant Journal</i> , 2020, 102, 493-506.	5.7	40
12	<b><i>Allium gilanense</i></b> , a new species of <i>Allium</i> sect. <i>Codonoprasum</i> (Amaryllidaceae) from Iran: evidence from morphological and molecular data. <i>Phytotaxa</i> , 2020, 474, 283-292.	0.3	3
13	Pollen morphology of <i>Astragalus</i> section <i>Hymenostegis</i> (Fabaceae) and evaluation of its systematic implications. <i>Grana</i> , 2019, 58, 328-336.	0.8	8
14	Saffron ( <i>Crocus sativus</i> ) is an autotriploid that evolved in Attica (Greece) from wild <i>Crocus cartwrightianus</i> . <i>Molecular Phylogenetics and Evolution</i> , 2019, 136, 14-20.	2.7	62
15	Elucidation of the origin of “agriocrithon” based on domestication genes questions the hypothesis that Tibet is one of the centers of barley domestication. <i>Plant Journal</i> , 2018, 94, 525-534.	5.7	17
16	SSR-seq: Genotyping of microsatellites using next-generation sequencing reveals higher level of polymorphism as compared to traditional fragment size scoring. <i>Ecology and Evolution</i> , 2018, 8, 10817-10833.	1.9	48
17	Phylogeny of the saffron-crocus species group, <i>Crocus</i> series <i>Crocus</i> (Iridaceae). <i>Molecular Phylogenetics and Evolution</i> , 2018, 127, 891-897.	2.7	22
18	Taxonomy of the Genus <i>Hordeum</i> and Barley ( <i>Hordeum vulgare</i> ). <i>Compendium of Plant Genomes</i> , 2018, , 11-23.	0.5	13

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19	Multiple horizontal transfers of nuclear ribosomal genes between phylogenetically distinct grass lineages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1726-1731.	7.1	34
20	Molecular phylogeny and divergence times of <i>Astragalus</i> section <i>Hymenostegis</i> : An analysis of a rapidly diversifying species group in Fabaceae. <i>Scientific Reports</i> , 2017, 7, 14033.	3.3	47
21	Nine New Species of the Species-rich Genus <i>Astragalus</i> (Leguminosae). <i>Novon</i> , 2017, 25, 266-281.	0.3	4
22	Dated tribe-wide whole chloroplast genome phylogeny indicates recurrent hybridizations within Triticeae. <i>BMC Evolutionary Biology</i> , 2017, 17, 141.	3.2	78
23	Development of microsatellite markers and assembly of the plastid genome in <i>Cistanthe longiscapa</i> (Montiaceae) based on low-coverage whole genome sequencing. <i>PLoS ONE</i> , 2017, 12, e0178402.	2.5	19
24	TOPO6: a nuclear single-copy gene for plant phylogenetic inference. <i>Plant Systematics and Evolution</i> , 2016, 302, 239-244.	0.9	28
25	Molecular Phylogeny and Morphological Analysis Support a New Species and New Synonymy in Iranian <i>Astragalus</i> (Leguminosae). <i>PLoS ONE</i> , 2016, 11, e0149726.	2.5	5
26	<i>Astragalus trifoliatrum</i> (Fabaceae), a revived species for the flora of Turkey. <i>Nordic Journal of Botany</i> , 2015, 33, 532-539.	0.5	3
27	Comparative Genome Analysis Reveals Divergent Genome Size Evolution in a Carnivorous Plant Genus. <i>Plant Genome</i> , 2015, 8, eplantgenome2015.04.0021.	2.8	45
28	Oligocene niche shift, Miocene diversification – cold tolerance and accelerated speciation rates in the St. John’s Worts ( <i>Hypericum</i> , Hypericaceae). <i>BMC Evolutionary Biology</i> , 2015, 15, 80.	3.2	56
29	Species-Level Phylogeny and Polyploid Relationships in <i>Hordeum</i> (Poaceae) Inferred by Next-Generation Sequencing and <i>In Silico</i> Cloning of Multiple Nuclear Loci. <i>Systematic Biology</i> , 2015, 64, 792-808.	5.6	90
30	Phenetic characterization of <i>Citrullus</i> spp. (Cucurbitaceae) and differentiation of egusi-type ( <i>C.</i> ) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30</i>	1.6	34
31	Interspecific Relationships in <i>Allium</i> subgenus <i>Melanocrommyum</i> sections <i>Acanthoprason</i> and <i>Asteroprason</i> (Amaryllidaceae) Revealed Using ISSR Markers. <i>Systematic Botany</i> , 2015, 40, 706-715.	0.5	7
32	Phylogeny, karyotype evolution and taxonomy of <i>Crocus</i> series Verni (Iridaceae). <i>Plant Systematics and Evolution</i> , 2015, 301, 309-325.	0.9	42
33	Phylogeny, geographic distribution, and new taxonomic circumscription of the <i>Crocus reticulatus</i> species group (Iridaceae). <i>Turkish Journal of Botany</i> , 2014, 38, 1182-1198.	1.2	32
34	Repair of Site-Specific DNA Double-Strand Breaks in Barley Occurs via Diverse Pathways Primarily Involving the Sister Chromatid. <i>Plant Cell</i> , 2014, 26, 2156-2167.	6.6	55
35	Evolutionary History of Wild Barley ( <i>Hordeum vulgare</i> subsp. <i>spontaneum</i> ) Analyzed Using Multilocus Sequence Data and Paleodistribution Modeling. <i>Genome Biology and Evolution</i> , 2014, 6, 685-702.	2.5	64
36	Genetic diversity of <i>Vitis vinifera</i> in Georgia: relationships between local cultivars and wild grapevine, <i>V. vinifera</i> L. subsp. <i>sylvestris</i> . <i>Genetic Resources and Crop Evolution</i> , 2014, 61, 1507-1521.	1.6	30

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37	Barley whole exome capture: a tool for genomic research in the genus <i>Hordeum</i> and beyond. <i>Plant Journal</i> , 2013, 76, 494-505.	5.7	260
38	Ecotypes and genetic structure of <i>Rhinanthus alectorolophus</i> (Orobanchaceae) in southwestern Germany. <i>Plant Systematics and Evolution</i> , 2013, 299, 1523-1535.	0.9	11
39	B chromosomes of rye are highly conserved and accompanied the development of early agriculture. <i>Annals of Botany</i> , 2013, 112, 527-534.	2.9	22
40	Molecular phylogenetics and morphological evolution of St. John's wort ( <i>Hypericum</i> ; Hypericaceae). <i>Molecular Phylogenetics and Evolution</i> , 2013, 66, 1-16.	2.7	86
41	Phylogeny of <i>Crocus</i> (Iridaceae) based on one chloroplast and two nuclear loci: Ancient hybridization and chromosome number evolution. <i>Molecular Phylogenetics and Evolution</i> , 2013, 66, 617-627.	2.7	92
42	Selfish supernumerary chromosome reveals its origin as a mosaic of host genome and organellar sequences. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13343-13346.	7.1	173
43	Genetic diversity and relationships in <i>Corchorus olitorius</i> (Malvaceae s.l.) inferred from molecular and morphological data. <i>Genetic Resources and Crop Evolution</i> , 2012, 59, 1125-1146.	1.6	39
44	New aspects of the molecular evolution of legumains, Asn-specific cysteine proteinases. <i>Journal of Plant Physiology</i> , 2012, 169, 319-321.	3.5	9
45	A putative role for amino acid permeases in sink-source communication of barley tissues uncovered by RNA-seq. <i>BMC Plant Biology</i> , 2012, 12, 154.	3.6	46
46	The Evolution of Genome Size Variation in Drumstick Onions ( <i>Allium</i> subgenus) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td (&lt;i&gt;</i>	0.5	26
47	Progenitor-Derivative Relationships of <i>Hordeum</i> Polyploids (Poaceae, Triticeae) Inferred from Sequences of TOPO6, a Nuclear Low-Copy Gene Region. <i>PLoS ONE</i> , 2012, 7, e33808.	2.5	42
48	Genome size variation in <i>Corchorus olitorius</i> (Malvaceae s.l.) and its correlation with elevation and phenotypic traits. <i>Genome</i> , 2011, 54, 575-585.	2.0	34
49	AtHaspin phosphorylates histone H3 at threonine 3 during mitosis and contributes to embryonic patterning in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2011, 68, 443-454.	5.7	28
50	Comparative chloroplast DNA phylogeography of two tropical pioneer trees, <i>Macaranga gigantea</i> and <i>Macaranga pearsonii</i> (Euphorbiaceae). <i>Tree Genetics and Genomes</i> , 2011, 7, 573-585.	1.6	16
51	Phylogeny and genetic diversity of D-genome species of <i>Aegilops</i> and <i>Triticum</i> (Triticeae, Poaceae) from Iran based on microsatellites, ITS, and trnL-F. <i>Plant Systematics and Evolution</i> , 2011, 291, 117-131.	0.9	25
52	Collection and ethnobotanical investigation of <i>Corchorus</i> species in Ethiopia: potential leafy vegetables for dry regions. <i>Genetic Resources and Crop Evolution</i> , 2010, 57, 293-306.	1.6	34
53	Identification and genetic analysis of the APOSPORY locus in <i>Hypericum perforatum</i> L.. <i>Plant Journal</i> , 2010, 62, 773-784.	5.7	92
54	Population demography influences climatic niche evolution: evidence from diploid American <i>Hordeum</i> species (Poaceae). <i>Molecular Ecology</i> , 2010, 19, 1423-1438.	3.9	57

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55	Two extinct diploid progenitors were involved in allopolyploid formation in the <i>Hordeum murinum</i> (Poaceae: Triticeae) taxon complex. <i>Molecular Phylogenetics and Evolution</i> , 2010, 55, 650-659.	2.7	45
56	The evolution of the hexaploid grass <i>Zingeria kochii</i> (Mez) Tzvel. (2n=12) was accompanied by complex hybridization and uniparental loss of ribosomal DNA. <i>Molecular Phylogenetics and Evolution</i> , 2010, 56, 146-155.	2.7	41
57	Species-level phylogeny of <i>Allium</i> subgenus <i>Melanocrommyum</i> : Incomplete lineage sorting, hybridization and <i>trnF</i> gene duplication. <i>Taxon</i> , 2010, 59, 829-840.	0.7	56
58	Cladistic analysis of morphological characters in <i>Hypericum</i> (Hypericaceae). <i>Taxon</i> , 2010, 59, 1495-1507.	0.7	30
59	Rapid Radiation in the Barley Genus <i>Hordeum</i> (Poaceae) During the Pleistocene in the Americas. , 2010, , 17-33.		6
60	Mechanisms of Speciation in Southeast Asian Ant-Plants of the Genus <i>Macaranga</i> (Euphorbiaceae). , 2010, , 169-191.		4
61	Progress in phylogenetic analysis and a new infrageneric classification of the barley genus <i>Hordeum</i> (Poaceae: Triticeae). <i>Breeding Science</i> , 2009, 59, 471-480.	1.9	69
62	Phylogeographic Analyses and Paleodistribution Modeling Indicate Pleistocene In Situ Survival of <i>Hordeum</i> Species (Poaceae) in Southern Patagonia without Genetic or Spatial Restriction. <i>Molecular Biology and Evolution</i> , 2009, 26, 907-923.	8.9	107
63	Application of non-coding DNA regions in intraspecific analyses. <i>Plant Systematics and Evolution</i> , 2009, 282, 281-294.	0.9	53
64	Isolation and characterization of 11 new microsatellite markers for <i>Macaranga</i> (Euphorbiaceae). <i>Molecular Ecology Resources</i> , 2009, 9, 1049-1052.	4.8	4
65	Molecular data indicate multiple independent colonizations of former lignite mining areas in Eastern Germany by <i>Epipactis palustris</i> (Orchidaceae). <i>Biodiversity and Conservation</i> , 2008, 17, 2441-2453.	2.6	40
66	Flow cytometric analysis in <i>Lagenaria siceraria</i> (Cucurbitaceae) indicates correlation of genome size with usage types and growing elevation. <i>Plant Systematics and Evolution</i> , 2008, 276, 9-19.	0.9	61
67	Phylogenetic analysis of <i>Allium</i> subg. <i>Melanocrommyum</i> infers cryptic species and demands a new sectional classification. <i>Molecular Phylogenetics and Evolution</i> , 2008, 49, 997-1007.	2.7	58
68	Single nucleotide sequence analysis: a cost- and time-effective protocol for the analysis of microsatellite- and indel-rich chloroplast DNA regions. <i>Molecular Ecology Resources</i> , 2008, 8, 62-65.	4.8	10
69	Phylogeographic implications of an AFLP phylogeny of the American diploid <i>Hordeum</i> species (Poaceae: Triticeae). <i>Taxon</i> , 2008, 57, 875-881.	0.7	16
70	Evolution and function of B chromosome 45S rDNA sequences in <i>Brachycome dichromosomatica</i> . <i>Genome</i> , 2007, 50, 638-644.	2.0	21
71	Combined ecological niche modelling and molecular phylogeography revealed the evolutionary history of <i>Hordeum marinum</i> (Poaceae) - niche differentiation, loss of genetic diversity, and speciation in Mediterranean Quaternary refugia. <i>Molecular Ecology</i> , 2007, 16, 1713-1727.	3.9	102
72	Phylogenetic relationships of wild and cultivated species of <i>Allium</i> section <i>Cepa</i> inferred by nuclear rDNA ITS sequence analysis. <i>Plant Systematics and Evolution</i> , 2007, 269, 259-269.	0.9	50

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73	Minisatellite telomeres occur in the family Alliaceae but are lost in <i>Allium</i> . American Journal of Botany, 2006, 93, 814-823.	1.7	58
74	A Chloroplast Genealogy of Hordeum (Poaceae): Long-Term Persisting Haplotypes, Incomplete Lineage Sorting, Regional Extinction, and the Consequences for Phylogenetic Inference. Molecular Biology and Evolution, 2006, 23, 1602-1612.	8.9	192
75	Microsatellite markers for the palaeotropic pioneer tree genus Macaranga (Euphorbiaceae) and their cross-species transferability. Molecular Ecology Notes, 2006, 6, 245-248.	1.7	9
76	Multiple intercontinental dispersals shaped the distribution area of Hordeum (Poaceae). New Phytologist, 2006, 169, 603-614.	7.3	85
77	A chloroplast genealogy of myrmecophytic Macaranga species (Euphorbiaceae) in Southeast Asia reveals hybridization, vicariance and long-distance dispersals. Molecular Ecology, 2006, 15, 4409-4424.	3.9	72
78	Chromosome arrangement and nuclear architecture but not centromeric sequences are conserved between <i>Arabidopsis thaliana</i> and <i>Arabidopsis lyrata</i> . Plant Journal, 2006, 48, 771-783.	5.7	61
79	Comparative molecular and phytochemical investigation of <i>Leontodon autumnalis</i> (Asteraceae.) Tj ETQq1 1 0.784314 rgBT /Overlock 24	2.9	24
80	Phylogeny and New Intrageneric Classification of Allium (Alliaceae) Based on Nuclear Ribosomal DNA ITS Sequences. Aliso, 2006, 22, 372-395.	0.2	275
81	Identification and Dynamics of Two Classes of Aurora-Like Kinases in Arabidopsis and Other Plants. Plant Cell, 2005, 17, 836-848.	6.6	135
82	The Considerable Genome Size Variation of Hordeum Species (Poaceae) Is Linked to Phylogeny, Life Form, Ecology, and Speciation Rates. Molecular Biology and Evolution, 2004, 21, 860-869.	8.9	121
83	Sex-specific SCAR markers in the dioecious plant Rumex nivalis (Polygonaceae) and implications for the evolution of sex chromosomes. Theoretical and Applied Genetics, 2004, 108, 238-242.	3.6	39
84	Phylogenetic analysis of Hordeum (Poaceae) as inferred by nuclear rDNA ITS sequences. Molecular Phylogenetics and Evolution, 2004, 33, 289-299.	2.7	119
85	Phylogenetic Analysis of Microseris (Asteraceae), Including a Newly Discovered Andean Population from Peru. Systematic Botany, 2004, 29, 774-780.	0.5	7
86	Storage and mobilization as antagonistic functional constraints on seed storage globulin evolution. Journal of Experimental Botany, 2003, 54, 1645-1654.	4.8	71
87	Intron gain and loss in the evolution of the conserved eukaryotic recombination machinery. Nucleic Acids Research, 2002, 30, 5175-5181.	14.5	37
88	Legumains - a family of asparagine-specific cysteine endopeptidases involved in propolypeptide processing and protein breakdown in plants. Journal of Plant Physiology, 2002, 159, 1281-1293.	3.5	54
89	AFLP diversity in the common vetch ( <i>Vicia sativa</i> L.) on the world scale. Theoretical and Applied Genetics, 2002, 105, 58-67.	3.6	48
90	Nunatak survival of the high Alpine plant <i>Eritrichium nanum</i> (L.) Gaudin in the central Alps during the ice ages. Molecular Ecology, 2002, 11, 2027-2036.	3.9	128

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91	Molecular Analysis of Phylogenetic Relationships among Myrmecophytic <i>Macaranga</i> Species (Euphorbiaceae). <i>Molecular Phylogenetics and Evolution</i> , 2001, 19, 331-344.	2.7	138
92	RAPD data do not support a second centre of barley domestication in Morocco. <i>Genetic Resources and Crop Evolution</i> , 2001, 48, 13-19.	1.6	51
93	Molecular and Morphological Evidence for an Origin of the Aberrant Genus <i>Milula</i> within Himalayan Species of <i>Allium</i> (Alliaceae). <i>Molecular Phylogenetics and Evolution</i> , 2000, 17, 209-218.	2.7	68
94	RAPD Analysis Reveals Geographic Differentiations within <i>Allium schoenoprasum</i> L. (Alliaceae). <i>Plant Biology</i> , 2000, 2, 297-305.	3.8	21
95	Direct Amplification of the Entire ITS Region from Poorly Preserved Plant Material Using Recombinant PCR. <i>BioTechniques</i> , 1999, 27, 1180-1186.	1.8	288
96	RAPDs and noncoding chloroplast DNA reveal a single origin of the cultivated <i>Allium fistulosum</i> from <i>A. altaicum</i> (Alliaceae). <i>American Journal of Botany</i> , 1999, 86, 554-562.	1.7	48
97	Morphological evolution and ecological diversification of the forest-dwelling poppies (Papaveraceae: <i>Tj ETQq1</i> ). <i>Journal of Evolutionary Biology</i> , 1999, 219, 181-197.	0.784314	42
98	Evolution of a conserved protein module from Archaea to plants. <i>Trends in Genetics</i> , 1999, 15, 348-349.	6.7	16
99	Data Congruence and Phylogeny of the Papaveraceae s.l. Based on Four Data Sets: <i>atpB</i> and <i>rbcl</i> Sequences, <i>trnK</i> Restriction Sites, and Morphological Characters. <i>Systematic Botany</i> , 1997, 22, 575.	0.5	69
100	Three intercontinental disjunctions in Papaveraceae subfamily Chelidonioideae: evidence from chloroplast DNA. , 1995, , 147-157.		8
101	<i>Astragalus</i> sect. <i>Elvendia</i> (Fabaceae), a new tragacanthic section recorded from Mt. Alvand, a center of endemism in W Iran. <i>Plant Biosystems</i> , 0, , 1-9.	1.6	1