

Freek T Bakker

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

4,417
citations

126907

33
h-index

138484

58
g-index

60
all docs

60
docs citations

60
times ranked

6152
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for two domestication lineages supporting a middle-eastern origin for <i>Brassica oleracea</i> crops from diversified kale populations. <i>Horticulture Research</i> , 2022, 9, .	6.3	15
2	The Origin of the Legumes is a Complex Paleopolyploid Phylogenomic Tangle Closely Associated with the Cretaceous–Paleogene (K–Pg) Mass Extinction Event. <i>Systematic Biology</i> , 2021, 70, 508-526.	5.6	83
3	Repeatome-Based Phylogenetics in <i>Pelargonium</i> Section <i>Ciconium</i> (Sweet) Harvey. <i>Genome Biology and Evolution</i> , 2021, 13, .	2.5	4
4	Large-scale genomic sequence data resolve the deepest divergences in the legume phylogeny and support a near-simultaneous evolutionary origin of all six subfamilies. <i>New Phytologist</i> , 2020, 225, 1355-1369.	7.3	94
5	Interspecific Hybrids Between <i>Pelargonium hortorum</i> and Species From <i>P. Section Ciconium</i> Reveal Biparental Plastid Inheritance and Multi-Locus Cyto-Nuclear Incompatibility. <i>Frontiers in Plant Science</i> , 2020, 11, 614871.	3.6	4
6	Organic matter reduces the amount of detectable environmental DNA in freshwater. <i>Ecology and Evolution</i> , 2020, 10, 3647-3654.	1.9	17
7	Leucine-rich repeat receptor-like kinase II phylogenetics reveals five main clades throughout the plant kingdom. <i>Plant Journal</i> , 2020, 103, 547-560.	5.7	17
8	The Global Museum: natural history collections and the future of evolutionary science and public education. <i>PeerJ</i> , 2020, 8, e8225.	2.0	81
9	Capturing variation in floral shape: a virtual 3D based morphospace for <i>Pelargonium</i> . <i>PeerJ</i> , 2020, 8, e8823.	2.0	4
10	Editorial: Herbarium Collection-Based Plant Evolutionary Genetics and Genomics. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	2.2	8
11	Enrichment of G4DNA and a Large Inverted Repeat Coincide in the Mitochondrial Genomes of <i>Termitomyces</i> . <i>Genome Biology and Evolution</i> , 2019, 11, 1857-1869.	2.5	23
12	Plastome based phylogenetics and younger crown node age in <i>Pelargonium</i> . <i>Molecular Phylogenetics and Evolution</i> , 2019, 137, 33-43.	2.7	19
13	Herbarium Genomics: Plant Archival DNA Explored. <i>Population Genomics</i> , 2018, , 205-224.	0.5	7
14	Phylogenetic relationships within <i>Lactuca L.</i> (Asteraceae), including African species, based on chloroplast DNA sequence comparisons. <i>Genetic Resources and Crop Evolution</i> , 2017, 64, 55-71.	1.6	25
15	Herbarium genomics: skimming and plastomics from archival specimens. <i>Webbia</i> , 2017, 72, 35-45.	0.3	81
16	Herbarium genomics: plastome sequence assembly from a range of herbarium specimens using an Iterative Organelle Genome Assembly pipeline. <i>Biological Journal of the Linnean Society</i> , 2016, 117, 33-43.	1.6	148
17	Phylogenetic reassessment of <i>Specklinia</i> and its allied genera in the Pleurothallidinae (Orchidaceae). <i>Phytotaxa</i> , 2016, 272, 1.	0.3	21
18	A synopsis of <i>Soyauxia</i> (Peridiscaceae, formerly Medusandraceae) with a new species from Liberia. <i>Plant Ecology and Evolution</i> , 2015, 148, 409-419.	0.7	31

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19	Phylogenetics of African <i>Rinorea</i> (Violaceae): Elucidating Infrageneric Relationships Using Plastid and Nuclear DNA Sequences. <i>Systematic Botany</i> , 2015, 40, 174-184.	0.5	9
20	Using multi-locus allelic sequence data to estimate genetic divergence among four <i>Lilium</i> (Liliaceae) cultivars. <i>Frontiers in Plant Science</i> , 2014, 5, 567.	3.6	9
21	Exploring genetic variation in the tomato (<i>Solanum</i> section <i>Lycopersicon</i>) clade by whole-genome sequencing. <i>Plant Journal</i> , 2014, 80, 136-148.	5.7	397
22	Annonaceae substitution rates: a codon model perspective. <i>Revista Brasileira De Fruticultura</i> , 2014, 36, 108-117.	0.5	1
23	Effects of changing climate on species diversification in tropical forest butterflies of the genus <i>Cymothoe</i> (Lepidoptera: Nymphalidae). <i>Biological Journal of the Linnean Society</i> , 2013, 108, 546-564.	1.6	21
24	Phylogenetics of <i>Stelis</i> and closely related genera (Orchidaceae: Pleurothallidinae). <i>Plant Systematics and Evolution</i> , 2013, 299, 151-176.	0.9	26
25	Molecular phylogenetics and character evolution of Cannabaceae. <i>Taxon</i> , 2013, 62, 473-485.	0.7	85
26	Genomic Treasure Troves: Complete Genome Sequencing of Herbarium and Insect Museum Specimens. <i>PLoS ONE</i> , 2013, 8, e69189.	2.5	215
27	DNA Barcoding of Recently Diverged Species: Relative Performance of Matching Methods. <i>PLoS ONE</i> , 2012, 7, e30490.	2.5	144
28	In Silico Characterization and Molecular Evolutionary Analysis of a Novel Superfamily of Fungal Effector Proteins. <i>Molecular Biology and Evolution</i> , 2012, 29, 3371-3384.	8.9	90
29	Biomass partitioning and root morphology of savanna trees across a water gradient. <i>Journal of Ecology</i> , 2012, 100, 1113-1121.	4.0	80
30	How to Open the Treasure Chest? Optimising DNA Extraction from Herbarium Specimens. <i>PLoS ONE</i> , 2012, 7, e43808.	2.5	220
31	DNA Damage in Plant Herbarium Tissue. <i>PLoS ONE</i> , 2011, 6, e28448.	2.5	166
32	Consistent phenological shifts in the making of a biodiversity hotspot: the Cape flora. <i>BMC Evolutionary Biology</i> , 2011, 11, 39.	3.2	17
33	Molecular Phylogenetics, Temporal Diversification, and Principles of Evolution in the Mustard Family (Brassicaceae). <i>Molecular Biology and Evolution</i> , 2010, 27, 55-71.	8.9	306
34	A new hidden species of the <i>Cymothoe caenis</i> -complex (Lepidoptera: Nymphalidae) from western Africa. <i>Zootaxa</i> , 2009, 2197, 53-63.	0.5	15
35	LEAF SHAPE EVOLUTION IN THE SOUTH AFRICAN GENUS <i>PELARGONIUM</i> (GERANIACEAE). <i>Evolution; International Journal of Organic Evolution</i> , 2009, 63, 479-497.	2.3	51
36	Bias and conflict in phylogenetic inference of myco-heterotrophic plants: a case study in Thismiaceae. <i>Cladistics</i> , 2009, 25, 64-77.	3.3	54

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37	Origin and diversification of the Greater Cape flora: Ancient species repository, hot-bed of recent radiation, or both?. <i>Molecular Phylogenetics and Evolution</i> , 2009, 51, 44-53.	2.7	198
38	Ancient paralogy in the cpDNA <i>trnL</i> region in Annonaceae: implications for plant molecular systematics. <i>American Journal of Botany</i> , 2007, 94, 1003-1016.	1.7	46
39	Positive selection in phytotoxic protein-encoding genes of <i>Botrytis</i> species. <i>Fungal Genetics and Biology</i> , 2007, 44, 52-63.	2.1	104
40	The phylogeny of <i>Monsonia</i> L. (Geraniaceae). <i>Plant Systematics and Evolution</i> , 2007, 264, 1-14.	0.9	13
41	DNA sequence evolution in fast evolving mitochondrial DNA <i>nad1</i> exons in Geraniaceae and Plantaginaceae. <i>Taxon</i> , 2006, 55, 887-896.	0.7	31
42	Reconstructing patterns of reticulate evolution in angiosperms: what can we do?. <i>Taxon</i> , 2005, 54, 593-604.	0.7	92
43	Phylogeny of <i>Pelargonium</i> (Geraniaceae) Based on DNA Sequences from Three Genomes. <i>Taxon</i> , 2004, 53, 17.	0.7	62
44	Phylogeny of <i>Pelargonium</i> (Geraniaceae) based on DNA sequences from three genomes. <i>Taxon</i> , 2004, 53, 17-31.	0.7	24
45	Chloroplast Phylogeny of Asplenioid Ferns based on <i>rbcl</i> and <i>trnL-F</i> Spacer Sequences (Polypodiidae). <i>Trends in Plant Science</i> , 2004, 9, 18-21.	0.5	18
46	Phylogenetic analysis of <i>Phytophthora</i> species based on mitochondrial and nuclear DNA sequences. <i>Fungal Genetics and Biology</i> , 2004, 41, 766-782.	2.1	383
47	Phylogenetic and biosystematic relationships in four highly disjunct polyploid complexes in the subgenera and in (Aspleniaceae). <i>Organisms Diversity and Evolution</i> , 2002, 2, 299-311.	1.6	40
48	Phylogeny, Function, and Evolution of the Cupins, a Structurally Conserved, Functionally Diverse Superfamily of Proteins. <i>Molecular Biology and Evolution</i> , 2001, 18, 593-605.	8.9	146
49	Biosystematic study of <i>Pelargonium</i> section <i>Ligularia</i> : 4. The section <i>Ligularia</i> sensu stricto. <i>South African Journal of Botany</i> , 2000, 66, 31-43.	2.5	13
50	Mitochondrial and chloroplast DNA-based phylogeny of <i>Pelargonium</i> (Geraniaceae). <i>American Journal of Botany</i> , 2000, 87, 727-734.	1.7	46
51	Patterns of Nucleotide Substitution in Angiosperm cpDNA <i>trnL</i> (UAA) and <i>trnF</i> (GAA) Regions. <i>Molecular Biology and Evolution</i> , 2000, 17, 1146-1155.	8.9	73
52	A <i>trnL-F</i> based phylogeny for species of <i>Pelargonium</i> (Geraniaceae) with small chromosomes. <i>Plant Systematics and Evolution</i> , 1999, 216, 309-324.	0.9	38
53	Phylogenetic relationships of <i>Biebersteinia</i> Stephan (Geraniaceae) inferred from <i>rbcl</i> and <i>atpB</i> sequence comparisons. <i>Botanical Journal of the Linnean Society</i> , 1998, 127, 149-158.	1.6	19
54	Phylogenetic relationships within <i>Pelargonium</i> sect. <i>Peristera</i> (Geraniaceae) inferred from nrDNA and cpDNA sequence comparisons. <i>Plant Systematics and Evolution</i> , 1998, 211, 273-287.	0.9	65

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55	Evolution of nuclear rDNA its sequences in the Cladophora albida/sericea clade (Chlorophyta). Journal of Molecular Evolution, 1995, 40, 640-651.	1.8	99
56	Global phylogeography in the cosmopolitan species Cladophora vagabunda (Chlorophyta) based on nuclear rDNA internal transcribed spacer sequences. European Journal of Phycology, 1995, 30, 197-208.	2.0	62
57	The Cladophora Complex (Chlorophyta): New Views Based on 185 rRNA Gene Sequences. Molecular Phylogenetics and Evolution, 1994, 3, 365-382.	2.7	56
58	NUCLEAR RIBOSOMAL DNA INTERNAL TRANSCRIBED SPACER REGIONS (ITS1 AND ITS2) DEFINE DISCRETE BIOGEOGRAPHIC GROUPS IN CLADOPHORA ALBIDA (CHLOROPHYTA)1. Journal of Phycology, 1992, 28, 839-845.	2.3	87