

Paul G Wolf

List of Publications by Year in descending order

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102
papers

8,353
citations

81900

39
h-index

48315

88
g-index

107
all docs

107
docs citations

107
times ranked

6358
citing authors

#	ARTICLE	IF	CITATIONS
1	A classification for extant ferns. <i>Taxon</i> , 2006, 55, 705-731.	0.7	1,142
2	A community-derived classification for extant lycophytes and ferns. <i>Journal of Systematics and Evolution</i> , 2016, 54, 563-603.	3.1	1,040
3	The Selaginella Genome Identifies Genetic Changes Associated with the Evolution of Vascular Plants. <i>Science</i> , 2011, 332, 960-963.	12.6	794
4	Horsetails and ferns are a monophyletic group and the closest living relatives to seed plants. <i>Nature</i> , 2001, 409, 618-622.	27.8	587
5	Phylogeny and evolution of ferns (monilophytes) with a focus on the early leptosporangiate divergences. <i>American Journal of Botany</i> , 2004, 91, 1582-1598.	1.7	490
6	Fern genomes elucidate land plant evolution and cyanobacterial symbioses. <i>Nature Plants</i> , 2018, 4, 460-472.	9.3	391
7	Fern Phylogeny Based on rbcL Nucleotide Sequences. <i>American Fern Journal</i> , 1995, 85, 134.	0.3	265
8	Evolutionary Conservation of ABA Signaling for Stomatal Closure. <i>Plant Physiology</i> , 2017, 174, 732-747.	4.8	158
9	Geographic distributions of homosporous ferns: does dispersal obscure evidence of vicariance?. <i>Journal of Biogeography</i> , 2001, 28, 263-270.	3.0	148
10	High levels of RNA editing in a vascular plant chloroplast genome: analysis of transcripts from the fern <i>Adiantum capillus-veneris</i> . <i>Gene</i> , 2004, 339, 89-97.	2.2	130
11	Complete plastome sequences of <i>Equisetum arvense</i> and <i>Isoetes flaccida</i> : implications for phylogeny and plastid genome evolution of early land plant lineages. <i>BMC Evolutionary Biology</i> , 2010, 10, 321.	3.2	120
12	Phylogenetic Relationships of Dennstaedtioid Ferns: Evidence from rbcL Sequences. <i>Molecular Phylogenetics and Evolution</i> , 1994, 3, 383-392.	2.7	118
13	Chloroplast Phylogeny Indicates that Bryophytes Are Monophyletic. <i>Molecular Biology and Evolution</i> , 2004, 21, 1813-1819.	8.9	116
14	De novo characterization of the gametophyte transcriptome in bracken fern, <i>Pteridium aquilinum</i> . <i>BMC Genomics</i> , 2011, 12, 99.	2.8	113
15	Functional Gene Losses Occur with Minimal Size Reduction in the Plastid Genome of the Parasitic Liverwort <i>Aneura mirabilis</i> . <i>Molecular Biology and Evolution</i> , 2008, 25, 393-401.	8.9	108
16	Complete Nucleotide Sequence of the Chloroplast Genome from a Leptosporangiate Fern, <i>Adiantum capillus-veneris</i> L.. <i>DNA Research</i> , 2003, 10, 59-65.	3.4	104
17	The phylogeny of land plants inferred from 18S rDNA sequences: pushing the limits of rDNA signal?. <i>Molecular Biology and Evolution</i> , 1999, 16, 1774-1784.	8.9	103
18	The first complete chloroplast genome sequence of a lycophyte, <i>Huperzia lucidula</i> (Lycopodiaceae). <i>Gene</i> , 2005, 350, 117-128.	2.2	101

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19	Evaluation of atpB nucleotide sequences for phylogenetic studies of ferns and other pteridophytes. American Journal of Botany, 1997, 84, 1429-1440.	1.7	91
20	Unfurling Fern Biology in the Genomics Age. BioScience, 2010, 60, 177-185.	4.9	90
21	The evolution of chloroplast genes and genomes in ferns. Plant Molecular Biology, 2011, 76, 251-261.	3.9	87
22	An Exploration into Fern Genome Space. Genome Biology and Evolution, 2015, 7, 2533-2544.	2.5	85
23	CHLOROPLAST DNA AND ALLOZYMIC VARIATION IN DIPLOID AND AUTOTETRAPLOID HEUCHERA GROSSULARIIFOLIA (SAXIFRAGACEAE). American Journal of Botany, 1990, 77, 232-244.	1.7	80
24	The C-Fern (<i>Ceratopteris richardii</i>) genome: insights into plant genome evolution with the first partial homosporous fern genome assembly. Scientific Reports, 2019, 9, 18181.	3.3	79
25	Global chloroplast phylogeny and biogeography of bracken (<i>Pteridium</i> ; Dennstaedtiaceae). American Journal of Botany, 2009, 96, 1041-1049.	1.7	76
26	Phylogenetic relationships of the enigmatic fern families Hymenophyllopsidaceae and Lophosoriaceae: Evidence from rbcL nucleotide sequences. Plant Systematics and Evolution, 1999, 219, 263-270.	0.9	74
27	Widespread Triploidy in Western North American Aspen (<i>Populus tremuloides</i>). PLoS ONE, 2012, 7, e48406.	2.5	72
28	Between Two Fern Genomes. GigaScience, 2014, 3, 15.	6.4	69
29	Fern classification. , 2008, , 417-467.		68
30	Chloroplast genome sequence of the moss <i>Tortula ruralis</i> : gene content, polymorphism, and structural arrangement relative to other green plant chloroplast genomes. BMC Genomics, 2010, 11, 143.	2.8	64
31	Phylogenetic Analyses of rbcL and Nuclear Ribosomal RNA Gene Sequences in Dennstaedtiaceae. American Fern Journal, 1995, 85, 306.	0.3	61
32	Electrophoretic Evidence for Genetic Diploidy in the Bracken Fern (<i>Pteridium aquilinum</i>). Science, 1987, 236, 947-949.	12.6	58
33	POLLEN TRANSFER BY NATURAL HYBRIDS AND PARENTAL SPECIES IN AN <i>IPOMOPSIS</i> HYBRID ZONE. Evolution; International Journal of Organic Evolution, 1998, 52, 1602-1611.	2.3	58
34	The evolution of chloroplast genome structure in ferns. Genome, 2010, 53, 731-738.	2.0	58
35	Tetrasomic inheritance and chromosome pairing behaviour in the naturally occurring autotetraploid <i>Heuchera grossularifolia</i> (Saxifragaceae). Genome, 1989, 32, 655-659.	2.0	52
36	Species-independent, geographical structuring of chloroplast DNA haplotypes in a montane herb <i>Ipomopsis</i> (Polemoniaceae). Molecular Ecology, 1997, 6, 283-291.	3.9	49

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37	Tests of pre- and postpollination barriers to hybridization between sympatric species of <i>Polemonis</i> (Polemoniaceae). <i>American Journal of Botany</i> , 2001, 88, 213-219.	1.7	48
38	Phylogenetic analysis of restriction-site variation in wild and cultivated <i>Amaranthus</i> species (Amaranthaceae). <i>Theoretical and Applied Genetics</i> , 1996, 93-93, 722-732.	3.6	44
39	The Complete Plastid Genome Sequence of <i>Angiopteris evecta</i> (G. Forst.) Hoffm. (Marattiaceae). <i>American Fern Journal</i> , 2007, 97, 95-106.	0.3	44
40	A Study on the Phylogeny of the Dyer's Woad Rust Fungus and Other Species of <i>Puccinia</i> from Crucifers. <i>Phytopathology</i> , 1997, 87, 565-571.	2.2	42
41	Learning with Web Tools, Simulations, and Other Technologies in Science Classrooms. <i>Journal of Science Education and Technology</i> , 2010, 19, 505-511.	3.9	40
42	Clonal structure and patterns of allozyme Diversity in the Rare Endemic <i>Cycladenia Humilis</i> Var. <i>Jonesii</i> (Apocynaceae). <i>American Journal of Botany</i> , 1997, 84, 401-409.	1.7	39
43	Conservation of selection on <i>matK</i> following an ancient loss of its flanking intron. <i>Gene</i> , 2009, 438, 17-25.	2.2	38
44	How big is a bracken plant?. <i>Weed Research</i> , 1989, 29, 455-460.	1.7	37
45	Factors Affecting Prolonged Spore Viability in Herbarium Collections of Three Species of <i>Pellaea</i> . <i>American Fern Journal</i> , 1986, 76, 141.	0.3	36
46	Phylogenetic Relationships within <i>Diadasia</i> , a Group of Specialist Bees. <i>Molecular Phylogenetics and Evolution</i> , 2001, 19, 144-156.	2.7	35
47	Chloroplast-DNA and Allozymic Variation in Diploid and Autotetraploid <i>Heuchera grossulariifolia</i> (Saxifragaceae). <i>American Journal of Botany</i> , 1990, 77, 232.	1.7	33
48	Estimates of gene flow, genetic substructure and population heterogeneity in bracken (<i>Pteridium</i>) $T_j ETQq0 0 0 rgBT / Overlock 10 Tf 50$	1.6	31
49	Identification of roots of woody species using polymerase chain reaction (PCR) and restriction fragment length polymorphism (RFLP) analysis. <i>Molecular Ecology</i> , 1999, 8, 485-491.	3.9	31
50	Genotyping-by-Sequencing for <i>Populus</i> Population Genomics: An Assessment of Genome Sampling Patterns and Filtering Approaches. <i>PLoS ONE</i> , 2014, 9, e95292.	2.5	31
51	ELECTROPHORETIC VARIATION AND MATING SYSTEM OF THE CLONAL WEED <i>PTERIDIUM AQUILINUM</i> (L.) $T_j ETQq1,1 0.784314 rgBT$	2.3	30
52	Target sequence capture of nuclear-encoded genes for phylogenetic analysis in ferns. <i>Applications in Plant Sciences</i> , 2018, 6, e01148.	2.1	28
53	Mobile Elements Shape Plastome Evolution in Ferns. <i>Genome Biology and Evolution</i> , 2018, 10, 2558-2571.	2.5	25
54	Phylogenetic Studies of Extant Pteridophytes. , 1998, , 541-556.		24

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55	Allozymic and Chloroplast DNA Analyses of Polyploidy in Polystichum (Dryopteridaceae). I. The Origins of <i>P. californicum</i> and <i>P. scopulinum</i> . <i>Systematic Botany</i> , 1991, 16, 245.	0.5	23
56	An Examination of the Changes in Science Teaching Orientations and Technology-Enhanced Tools for Student Learning in the Context of Professional Development. <i>International Journal of Science Education</i> , 2014, 36, 1815-1848.	1.9	22
57	Hierarchical Analysis of Allozymic and Morphometric Variation in a Montane Herb, <i>Ipomopsis aggregata</i> (Polemoniaceae). <i>Journal of Heredity</i> , 1995, 86, 386-394.	2.4	20
58	Spatial Distribution and Reproductive Behaviour of a Triploid Bracken (<i>Pteridium aquilinum</i>) Clone in Britain. <i>Annals of Botany</i> , 1993, 72, 231-237.	2.9	19
59	High Frequency of Extra-Pair Paternity in Eastern Kingbirds. <i>Condor</i> , 2001, 103, 845-851.	1.6	19
60	Genetic relationships and population structure of the endangered Steamboat buckwheat, <i>Eriogonum ovalifolium</i> var. <i>williamsiae</i> (Polygonaceae). <i>American Journal of Botany</i> , 2001, 88, 608-615.	1.7	19
61	Phylogenetic Significance of Chloroplast DNA Restriction Site Variation in the <i>Ipomopsis aggregata</i> Complex and Related Species (Polemoniaceae). <i>Systematic Botany</i> , 1993, 18, 652.	0.5	18
62	Highly Differentiated Populations of the Narrow Endemic Plant Maguire Primrose (<i>Primula maguirei</i>). <i>Conservation Biology</i> , 1997, 11, 375-381.	4.7	18
63	Genetic Structure of <i>Rhododendron ferrugineum</i> at a Wide Range of Spatial Scales. , 2004, 95, 301-308.		17
64	Allozymic Divergence in North American Polystichum (Dryopteridaceae). <i>Systematic Botany</i> , 1990, 15, 205.	0.5	16
65	GENETIC RELATIONSHIPS AND PATTERNS OF ALLOZYMIC DIVERGENCE IN THE IPOMOPSIS AGGREGATA COMPLEX AND RELATED SPECIES (POLEMONIACEAE). <i>American Journal of Botany</i> , 1991, 78, 515-526.	1.7	16
66	High Frequency of Extra-Pair Paternity in Eastern Kingbirds. <i>Condor</i> , 2001, 103, 845.	1.6	15
67	Worldwide relationships in the fern genus <i>Pteridium</i> (bracken) based on nuclear genome markers. <i>American Journal of Botany</i> , 2019, 106, 1365-1376.	1.7	14
68	Cryptic diversity in the model fern genus <i>Ceratopteris</i> (Pteridaceae). <i>Molecular Phylogenetics and Evolution</i> , 2020, 152, 106938.	2.7	11
69	Population Genetic Structure of <i>Arctomecon californica</i> Torrey & Fremont (Papaveraceae) in Fragmented and Unfragmented Habitat. <i>Plant Species Biology</i> , 1998, 13, 21-33.	1.0	10
70	Electrophoretic Variation and Mating System of the Clonal Weed <i>Pteridium aquilinum</i> (L. Kuhn) (Bracken). <i>Evolution; International Journal of Organic Evolution</i> , 1988, 42, 1350.	2.3	9
71	A re-evaluation of plants referred to as <i>Pteridium herediae</i> (Colmeiro) Lave & Kjellqvist. <i>Botanical Journal of the Linnean Society</i> , 1989, 99, 377-386.	1.6	9
72	Strong Genetic Differentiation among Neighboring Populations of a Locally Endemic Primrose. <i>Western North American Naturalist</i> , 2008, 68, 66-75.	0.4	9

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73	Science Teaching Orientations and Technology-Enhanced Tools for Student Learning. <i>Research in Science Education</i> , 2013, 43, 2035-2057.	2.3	9
74	Origins and diversity of a cosmopolitan fern genus on an island archipelago. <i>AoB PLANTS</i> , 2015, 7, plv118.	2.3	9
75	Plastomes of Bryophytes, Lycophytes and Ferns. <i>Advances in Photosynthesis and Respiration</i> , 2012, , 89-102.	1.0	8
76	Transcriptome characterization and detection of gene expression differences in aspen (<i>Populus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6.	1.6	8
77	Admixture, evolution, and variation in reproductive isolation in the <i>Boechera puberula</i> clade. <i>BMC Evolutionary Biology</i> , 2018, 18, 61.	3.2	8
78	Hierarchical Analysis of Genetic Partitioning by <i>Tamias minimus</i> and <i>T. umbrinus</i> . <i>Journal of Mammalogy</i> , 1997, 78, 134-145.	1.3	7
79	Natural History of Maguire Primrose, <i>Primula cusickiana</i> var. <i>Maguirei</i> (Primulaceae). <i>Western North American Naturalist</i> , 2011, 71, 327-337.	0.4	7
80	Breeding system of the threatened endemic <i>Primula cusickiana</i> var. <i>maguirei</i> (Primulaceae). <i>Plant Species Biology</i> , 2014, 29, E55.	1.0	7
81	Electrophoretic Evidence for Interspecific Hybridization in <i>Polystichum</i> . <i>American Fern Journal</i> , 1989, 79, 7.	0.3	6
82	The Taxonomic Designation of <i>Eriogonum corymbosum</i> var. <i>nilesii</i> (Polygonaceae) is Supported by AFLP and cpDNA Analyses. <i>Systematic Botany</i> , 2009, 34, 693-703.	0.5	6
83	There and Back Again: Reticulate Evolution in <i>Ceratopteris</i> . <i>American Fern Journal</i> , 2020, 110, .	0.3	6
84	Multi-Year Professional Development Grounded in Educative Curriculum Focused on Integrating Technology With Reformed Science Teaching Principles. <i>School Science and Mathematics</i> , 2016, 116, 430-441.	0.9	5
85	ReFernment: An R package for annotating RNA editing in plastid genomes. <i>Applications in Plant Sciences</i> , 2019, 7, e01216.	2.1	5
86	Genetic Relationships and Patterns of Allozymic Divergence in the <i>Ipomopsis aggregata</i> Complex and Related Species (Polemoniaceae). <i>American Journal of Botany</i> , 1991, 78, 515.	1.7	5
87	The biology of <i>C. richardii</i> as a tool to understand plant evolution. <i>ELife</i> , 2022, 11, .	6.0	5
88	Teaching "Species". <i>Evolution: Education and Outreach</i> , 2010, 3, 89-98.	0.8	4
89	Molecular tools and aspen management: A primer and prospectus. <i>Forest Ecology and Management</i> , 2013, 299, 6-13.	3.2	4
90	Genomic variation of introduced <i>Salvinia minima</i> in southeastern United States. <i>Aquatic Botany</i> , 2018, 151, 38-42.	1.6	4

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91	Plastid Genome Diversity. , 2012, , 145-154.		3
92	Evolution of vascular plant body plans. Systematics Association Special Volume, 2002, , 330-364.	0.2	3
93	Why Do Heterosporous Plants Have So Few Chromosomes?. Frontiers in Plant Science, 2022, 13, 807302.	3.6	3
94	Structure and evolution of fern plastid genomes. , 0, , 159-174.		2
95	Genetic Differentiation Between Endemic <i>Eriogonum soledium</i> and its Common Relative <i>E. shockleyi</i> (Polygonaceae). Systematic Botany, 2018, 43, 901-909.	0.5	2
96	Investigating Human Impact in the Environment with Faded Scaffolded Inquiry Supported by Technologies. Science Activities, 2012, 49, 99-107.	0.6	1
97	Further examination of the geographic range of <i>Eriogonum corymbosum</i> var. <i>nilesii</i> (Polygonaceae.) Tj ETQq1 1 0.784314 rgBT /Overl	0.3	1
98	Current Status and Future Prospects for Fern and Lycophyte Genomics: Introduction to an American Fern Journal Special Issue. American Fern Journal, 2019, 109, 177.	0.3	1
99	Field identification of <i>Eriogonum corymbosum</i> vars. <i>nilesii</i> and <i>aureum</i> (Polygonaceae). Phytotaxa, 2018, 382, 293.	0.3	0
100	How Many Tree Species of Birch Are in Alaska? Implications for Wetland Designations. Frontiers in Plant Science, 2020, 11, 750.	3.6	0
101	Do Genetic Differences Explain the Ability of an Alkaline Shrub to Grow in Both Uplands and Wetlands?. Western North American Naturalist, 2019, 79, 260.	0.4	0
102	Fern Genomics: Unfurling the Mystery of Plant Chromosome Numbers. , 2020, , .		0