Paul G Wolf

List of Publications by Year
in descending order

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	Why Do Heterosporous Plants Have So Few Chromosomes?. Frontiers in Plant Science, 2022, 13, 807302.	3.6	3
2	The biology of C. richardii as a tool to understand plant evolution. ELife, 2022, 11, .	6.0	5
3	Cryptic diversity in the model fern genus Ceratopteris (Pteridaceae). Molecular Phylogenetics and Evolution, 2020, 152, 106938.	2.7	11
4	How Many Tree Species of Birch Are in Alaska? Implications for Wetland Designations. Frontiers in Plant Science, 2020, 11, 750.	3.6	0
5	There and Back Again: Reticulate Evolution in Ceratopteris. American Fern Journal, 2020, 110, .	0.3	6
6	Fern Genomics: Unfurling the Mystery of Plant Chromosome Numbers. , 2020, , .		0
7	Worldwide relationships in the fern genus Pteridium (bracken) based on nuclear genome markers. American Journal of Botany, 2019, 106, 1365-1376.	1.7	14
8	ReFernment: An R package for annotating <scp>RNA</scp> editing in plastid genomes. Applications in Plant Sciences, 2019, 7, e01216.	2.1	5
9	The C-Fern (Ceratopteris richardii) genome: insights into plant genome evolution with the first partial homosporous fern genome assembly. Scientific Reports, 2019, 9, 18181.	3.3	79
10	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
11	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
12	Field identification of Eriogonum corymbosum vars. nilesii and aureum (Polygonaceae). Phytotaxa, 2018, 382, 293.	0.3	0
13	Genetic Differentiation Between Endemic Eriogonum soredium and its Common Relative E. shockleyi (Polygonaceae). Systematic Botany, 2018, 43, 901-909.	0.5	2
14	Fern genomes elucidate land plant evolution and cyanobacterial symbioses. Nature Plants, 2018, 4, 460-472.	9.3	391
15	Genomic variation of introduced Salvinia minima in southeastern United States. Aquatic Botany, 2018, 151, 38-42.	1.6	4
16	Admixture, evolution, and variation in reproductive isolation in the Boechera puberula clade. BMC Evolutionary Biology, 2018, 18, 61.	3.2	8
17	Mobile Elements Shape Plastome Evolution in Ferns. Genome Biology and Evolution, 2018, 10, 2558-2571.	2.5	25
18	Target sequence capture of nuclearâ€encoded genes for phylogenetic analysis in ferns. Applications in Plant Sciences, 2018, 6, e01148.	2.1	28

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19	Evolutionary Conservation of ABA Signaling for Stomatal Closure. Plant Physiology, 2017, 174, 732-747.	4.8	158
20	Multiâ€Year Professional Development Grounded in Educative Curriculum Focused on Integrating Technology With Reformed Science Teaching Principles. School Science and Mathematics, 2016, 116, 430-441.	0.9	5
21	A communityâ€derived classification for extant lycophytes and ferns. Journal of Systematics and Evolution, 2016, 54, 563-603.	3.1	1,040
22	Further examination of the geographic range of Eriogonum corymbosum var. nilesii (Polygonaceae,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.3	1
23	Origins and diversity of a cosmopolitan fern genus on an island archipelago. AoB PLANTS, 2015, 7, plv118.	2.3	9
24	An Exploration into Fern Genome Space. Genome Biology and Evolution, 2015, 7, 2533-2544.	2.5	85
25	Genotyping-by-Sequencing for Populus Population Genomics: An Assessment of Genome Sampling Patterns and Filtering Approaches. PLoS ONE, 2014, 9, e95292.	2.5	31
26	Breeding system of the threatened endemic <scp>P</scp>rimula cusickiana var. maguirei (<scp>P</scp>rimulaceae). Plant Species Biology, 2014, 29, E55.	1.0	7
27	Between Two Fern Genomes. GigaScience, 2014, 3, 15.	6.4	69
28	An Examination of the Changes in Science Teaching Orientations and Technology-Enhanced Tools for Student Learning in the Context of Professional Development. International Journal of Science Education, 2014, 36, 1815-1848.	1.9	22
29	Molecular tools and aspen management: A primer and prospectus. Forest Ecology and Management, 2013, 299, 6-13.	3.2	4
30	Transcriptome characterization and detection of gene expression differences in aspen (Populus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	1.6	8
31	Science Teaching Orientations and Technology-Enhanced Tools for Student Learning. Research in Science Education, 2013, 43, 2035-2057.	2.3	9
32	Investigating Human Impact in the Environment with Faded Scaffolded Inquiry Supported by Technologies. Science Activities, 2012, 49, 99-107.	0.6	1
33	Plastomes of Bryophytes, Lycophytes and Ferns. Advances in Photosynthesis and Respiration, 2012, , 89-102.	1.0	8
34	Widespread Triploidy in Western North American Aspen (Populus tremuloides). PLoS ONE, 2012, 7, e48406.	2.5	72
35	Plastid Genome Diversity. , 2012, , 145-154.		3
36	Natural History of Maguire Primrose,Primula cusickianavar.Maguirei(Primulaceae). Western North American Naturalist, 2011, 71, 327-337.	0.4	7

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37	The Selaginella Genome Identifies Genetic Changes Associated with the Evolution of Vascular Plants. Science, 2011, 332, 960-963.	12.6	794
38	The evolution of chloroplast genes and genomes in ferns. Plant Molecular Biology, 2011, 76, 251-261.	3.9	87
39	De novo characterization of the gametophyte transcriptome in bracken fern, Pteridium aquilinum. BMC Genomics, 2011, 12, 99.	2.8	113
40	Teaching "Species". Evolution: Education and Outreach, 2010, 3, 89-98.	0.8	4
41	Learning with Web Tools, Simulations, and Other Technologies in Science Classrooms. Journal of Science Education and Technology, 2010, 19, 505-511.	3.9	40
42	Complete plastome sequences of Equisetum arvense and Isoetes flaccida: implications for phylogeny and plastid genome evolution of early land plant lineages. BMC Evolutionary Biology, 2010, 10, 321.	3.2	120
43	Chloroplast genome sequence of the moss Tortula ruralis: gene content, polymorphism, and structural arrangement relative to other green plant chloroplast genomes. BMC Genomics, 2010, 11, 143.	2.8	64
44	Unfurling Fern Biology in the Genomics Age. BioScience, 2010, 60, 177-185.	4.9	90
45	The evolution of chloroplast genome structure in ferns. Genome, 2010, 53, 731-738.	2.0	58
46	Global chloroplast phylogeny and biogeography of bracken (Pteridium; Dennstaedtiaceae). American Journal of Botany, 2009, 96, 1041-1049.	1.7	76
47	Conservation of selection on matK following an ancient loss of its flanking intron. Gene, 2009, 438, 17-25.	2.2	38
48	The Taxonomic Designation of Eriogonum corymbosum var. nilesii (Polygonaceae) is Supported by AFLP and cpDNA Analyses. Systematic Botany, 2009, 34, 693-703.	0.5	6
49	Strong Genetic Differentiation among Neighboring Populations of a Locally Endemic Primrose. Western North American Naturalist, 2008, 68, 66-75.	0.4	9
50	Functional Gene Losses Occur with Minimal Size Reduction in the Plastid Genome of the Parasitic Liverwort Aneura mirabilis. Molecular Biology and Evolution, 2008, 25, 393-401.	8.9	108
51	Fern classification. , 2008, , 417-467.		68
52	The Complete Plastid Genome Sequence of Angiopteris evecta (G. Forst.) Hoffm. (Marattiaceae). American Fern Journal, 2007, 97, 95-106.	0.3	44
53	A classification for extant ferns. Taxon, 2006, 55, 705-731.	0.7	1,142
54	The first complete chloroplast genome sequence of a lycophyte, Huperzia lucidula (Lycopodiaceae). Gene, 2005, 350, 117-128.	2.2	101

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55	Genetic Structure of Rhododendron ferrugineum at a Wide Range of Spatial Scales. , 2004, 95, 301-308.		17
56	Chloroplast Phylogeny Indicates that Bryophytes Are Monophyletic. Molecular Biology and Evolution, 2004, 21, 1813-1819.	8.9	116
57	Phylogeny and evolution of ferns (monilophytes) with a focus on the early leptosporangiate divergences. American Journal of Botany, 2004, 91, 1582-1598.	1.7	490
58	High levels of RNA editing in a vascular plant chloroplast genome: analysis of transcripts from the fern Adiantum capillus-veneris. Gene, 2004, 339, 89-97.	2.2	130
59	Complete Nucleotide Sequence of the Chloroplast Genome from a Leptosporangiate Fern, Adiantum capillus-veneris L.. DNA Research, 2003, 10, 59-65.	3.4	104
60	Evolution of vascular plant body plans. Systematics Association Special Volume, 2002, , 330-364.	0.2	3
61	High Frequency of Extra-Pair Paternity in Eastern Kingbirds. Condor, 2001, 103, 845-851.	1.6	19
62	Tests of pre- and postpollination barriers to hybridization between sympatric species ofIpomopsis(Polemoniaceae). American Journal of Botany, 2001, 88, 213-219.	1.7	48
63	Geographic distributions of homosporous ferns: does dispersal obscure evidence of vicariance?. Journal of Biogeography, 2001, 28, 263-270.	3.0	148
64	Phylogenetic Relationships within Diadasia, a Group of Specialist Bees. Molecular Phylogenetics and Evolution, 2001, 19, 144-156.	2.7	35
65	Horsetails and ferns are a monophyletic group and the closest living relatives to seed plants. Nature, 2001, 409, 618-622.	27.8	587
66	High Frequency of Extra-Pair Paternity in Eastern Kingbirds. Condor, 2001, 103, 845.	1.6	15
67	Genetic relationships and population structure of the endangered Steamboat buckwheat,Eriogonum ovalifoliumvar.williamsiae(Polygonaceae). American Journal of Botany, 2001, 88, 608-615.	1.7	19
68	The phylogeny of land plants inferred from 18S rDNA sequences: pushing the limits of rDNA signal?. Molecular Biology and Evolution, 1999, 16, 1774-1784.	8.9	103
69	Phylogenetic relationships of the enigmatic fern families Hymenophyllopsidaceae and Lophosoriaceae: Evidence fromrbcL nucleotide sequences. Plant Systematics and Evolution, 1999, 219, 263-270.	0.9	74
70	Identification of roots of woody species using polymerase chain reaction (PCR) and restriction fragment length polymorphism (RFLP) analysis. Molecular Ecology, 1999, 8, 485-491.	3.9	31
71	Population Genetic Structure of Arctomecon californica Torrey & Fremont (Papaveraceae) in Fragmented and Unfragmented Habitat. Plant Species Biology, 1998, 13, 21-33.	1.0	10
72	POLLEN TRANSFER BY NATURAL HYBRIDS AND PARENTAL SPECIES IN AN IPOMOPSIS HYBRID ZONE. Evolution; International Journal of Organic Evolution, 1998, 52, 1602-1611.	2.3	58

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73	Phylogenetic Studies of Extant Pteridophytes. , 1998, , 541-556.		24
74	Hierarchical Analysis of Genetic Partitioning by Tamias minimus and T. umbrinus. Journal of Mammalogy, 1997, 78, 134-145.	1.3	7
75	Clonal structure and patterns of allozyme Diversity in the Rare Endemic Cycladenia Humilis Var. Jonesii (Apocynaceae). American Journal of Botany, 1997, 84, 401-409.	1.7	39
76	Evaluation of atpB nucleotide sequences for phylogenetic studies of ferns and other pteridophytes. American Journal of Botany, 1997, 84, 1429-1440.	1.7	91
77	A Study on the Phylogeny of the Dyer's Woad Rust Fungus and Other Species of Puccinia from Crucifers. Phytopathology, 1997, 87, 565-571.	2.2	42
78	Highly Differentiated Populations of the Narrow Endemic Plant Maguire Primrose (Primula maguirei). Conservation Biology, 1997, 11, 375-381.	4.7	18
79	Speciesâ€independent, geographical structuring of chloroplast DNA haplotypes in a montane herb Ipomopsis (Polemoniaceae). Molecular Ecology, 1997, 6, 283-291.	3.9	49
80	Phylogenetic analysis of restriction-site variation in wild and cultivated Amaranthus species (Amaranthaceae). Theoretical and Applied Genetics, 1996, 93-93, 722-732.	3.6	44
81	Hierarchical Analysis of Allozymic and Morphometric Variation in a Montane Herb, Ipomopsis aggregata (Polemoniceae). Journal of Heredity, 1995, 86, 386-394.	2.4	20
82	Fern Phylogeny Based on rbcL Nucleotide Sequences. American Fern Journal, 1995, 85, 134.	0.3	265
83	Phylogenetic Analyses of rbcL and Nuclear Ribosomal RNA Gene Sequences in Dennstaedtiaceae. American Fern Journal, 1995, 85, 306.	0.3	61
84	Phylogenetic Relationships of Dennstaedtioid Ferns: Evidence from rbcL Sequences. Molecular Phylogenetics and Evolution, 1994, 3, 383-392.	2.7	118
85	Spatial Distribution and Reproductive Behaviour of a Triploid Braken (Pteridium aquilinum) Clone in Britain. Annals of Botany, 1993, 72, 231-237.	2.9	19
86	Phylogenetic Significance of Chloroplast DNA Restriction Site Varition in the Ipomopsis aggregata Complex and Related Species (Polemoniaceae). Systematic Botany, 1993, 18, 652.	0.5	18
87	GENETIC RELATIONSHIPS AND PATTERNS OF ALLOZYMIC DIVERGENCE IN THE IPOMOPSIS AGGREGATA COMPLEX AND RELATED SPECIES (POLEMONIACEAE). American Journal of Botany, 1991, 78, 515-526.	1.7	16
88	Allozymic and Chloroplast DNA Analyses of Polyploidy in Polystichum (Dryopteridaceae). I. The Origins of P. californicum and P. scopulinum. Systematic Botany, 1991, 16, 245.	0.5	23
89	Estimates of gene flow, genetic substructure and population heterogeneity in bracken (Pteridium) Tj ETQq1 1 0.784314 rgBT /Overlock	1.6	31
90	Genetic Relationships and Patterns of Allozymic Divergence in the Ipomopsis aggregata Complex and Related Species (Polemoniaceae). American Journal of Botany, 1991, 78, 515.	1.7	5

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91	CHLOROPLASTâ€DNA AND ALLOZYMIC VARIATION IN DIPLOID AND AUTOTETRAPLOID HEUCHERA GROSSULARIIFOLIA (SAXIFRAGACEAE). American Journal of Botany, 1990, 77, 232-244.	1.7	80
92	Allozymic Divergence in North American Polystichum (Dryopteridaceae). Systematic Botany, 1990, 15, 205.	0.5	16
93	Chloroplast-DNA and Allozymic Variation in Diploid and Autotetraploid Heuchera grossulariifolia (Saxifragaceae). American Journal of Botany, 1990, 77, 232.	1.7	33
94	Tetrasomic inheritance and chromosome pairing behaviour in the naturally occurring autotetraploid Heuchera grossulariifolia (Saxifragaceae). Genome, 1989, 32, 655-659.	2.0	52
95	A re-evaluation of plants referred to as Pteridium herediae (Colmeiro) LÃ¶ve & Kjellqvist. Botanical Journal of the Linnean Society, 1989, 99, 377-386.	1.6	9
96	How big is a bracken plant?. Weed Research, 1989, 29, 455-460.	1.7	37
97	Electrophoretic Evidence for Interspecific Hybridization in Polystichum. American Fern Journal, 1989, 79, 7.	0.3	6
98	Electrophoretic Variation and Mating System of the Clonal Weed Pteridium aquilinum (L. Kuhn) (Bracken). Evolution; International Journal of Organic Evolution, 1988, 42, 1350.	2.3	9
99	ELECTROPHORETIC VARIATION AND MATING SYSTEM OF THE CLONAL WEED PTERIDIUM AQUILINUM (L.) Tj ETQq1 1 0.784314 rgBT /O	2.3	30
100	Electrophoretic Evidence for Genetic Diploidy in the Bracken Fern (Pteridium aquilinum). Science, 1987, 236, 947-949.	12.6	58
101	Factors Affecting Prolonged Spore Viability in Herbarium Collections of Three Species of Pellaea. American Fern Journal, 1986, 76, 141.	0.3	36
102	Structure and evolution of fern plastid genomes. , 0, , 159-174.		2