OLe Seberg

List of Publications by Year
in descending order

103 papers	6,251 citations	126907 33 h-index	71685 76 g-index
106 all docs	106 docs citations	106 times ranked	6244 citing authors

#	Article	IF	Citations
1	A DNA barcode for land plants. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 12794-12797.	7.1	2,120
2	A proposal for a standardised protocol to barcode all land plants. Taxon, 2007, 56, 295-299.	0.7	457
3	Phylogenetic relationships of Triticum and Aegilops and evidence for the origin of the A, B, and D genomes of common wheat (Triticum aestivum). Molecular Phylogenetics and Evolution, 2006, 39, 70-82.	2.7	331
4	Molecular Techniques in the Assessment of Botanical Diversity. Annals of Botany, 1996, 78, 143-149.	2.9	204
5	Simultaneous parsimony jackknife analysis of 2538rbcL DNA sequences reveals support for major clades of green plants, land plants, seed plants and flowering plants. Plant Systematics and Evolution, 1998, 213, 259-287.	0.9	202
6	A Phylogeny of the Monocots, as Inferred from rbcL and atpA Sequence Variation, and a Comparison of Methods for Calculating Jackknife and Bootstrap Values. Systematic Botany, 2004, 29, 467-510.	0.5	173
7	DNA Damage in Plant Herbarium Tissue. PLoS ONE, 2011, 6, e28448.	2.5	166
8	Molecular technologies for biodiversity evaluation: Opportunities and challenges. Nature Biotechnology, 1997, 15, 625-628.	17.5	147
9	Shortcuts in systematics? A commentary on DNA-based taxonomy. Trends in Ecology and Evolution, 2003, 18, 63-65.	8.7	142
10	How Many Loci Does it Take to DNA Barcode a Crocus?. PLoS ONE, 2009, 4, e4598.	2.5	122
11	Phylogenetic Analysis of the Triticeae (Poaceae) Based onrpoA Sequence Data. Molecular Phylogenetics and Evolution, 1997, 7, 217-230.	2.7	100
12	Plastid phylogenomics and molecular evolution of Alismatales. Cladistics, 2016, 32, 160-178.	3.3	98
13	The Global Genome Biodiversity Network (GGBN) Data Portal. Nucleic Acids Research, 2014, 42, D607-D612.	14.5	87
14	Phylogeny of the Asparagales based on three plastid and two mitochondrial genes. American Journal of Botany, 2012, 99, 875-889.	1.7	84
15	A unified classification system for eukaryotic transposable elements should reflect their phylogeny. Nature Reviews Genetics, 2009, 10, 276-276.	16.3	69
16	Plastome Evolution in Hemiparasitic Mistletoes. Genome Biology and Evolution, 2015, 7, 2520-2532.	2.5	68
17	Phylogenetic Evidence for Excision of Stowaway Miniature Inverted-Repeat Transposable Elements in Triticeae (Poaceae). Molecular Biology and Evolution, 2000, 17, 1589-1596.	8.9	63
18	Phylogeny, Genome Size, and Chromosome Evolution of Asparagales. Aliso, 2006, 22, 287-304.	0.2	57

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19	Sequence length variation, indel costs, and congruence in sensitivity analysis. Cladistics, 2005, 21, 15-30.	3.3	54
20	Genome analysis, phylogeny, and classification. Plant Systematics and Evolution, 1989, 166, 159-171.	0.9	51
21	A phylogenetic analysis of the monogenomic Triticeae (Poaceae) based on morphology. Botanical Journal of the Linnean Society, 2001, 136, 75-97.	1.6	47
22	Molecular Evolution and Phylogenetic Application of DMC1. Molecular Phylogenetics and Evolution, 2002, 22, 43-50.	2.7	46
23	EXPLANATION. Cladistics, 1995, 11, 211-218.	3.3	45
24	RNA editing and phylogenetic reconstruction in two monocot mitochondrial genes. Taxon, 2006, 55, 871-886.	0.7	42
25	Mitochondrial genome evolution in parasitic plants. BMC Evolutionary Biology, 2019, 19, 87.	3.2	42
26	Investigation of Genetic and Morphological Variation in the Sago Palm (Metroxylon sagu; Arecaceae) in Papua New Guinea. Annals of Botany, 2004, 94, 109-117.	2.9	41
27	On the Origin of the Tetraploid Species Hordeum capense and H. secalinum (Poaceae). Systematic Botany, 2004, 29, 862-873.	0.5	39
28	A critical review of concepts and methods used in classical genome analysis. Botanical Review, The, 1998, 64, 372-417.	3.9	38
29	PCR and sequencing from a single pollen grain. Plant Molecular Biology, 1996, 31, 189-191.	3.9	37
30	Phylogeny of the Juncaceae based on rbc L sequences, with special emphasis on Luzula DC. and Juncus L.. Plant Systematics and Evolution, 2003, 240, 133-147.	0.9	37
31	Are mitochondrial genes useful for the analysis of monocot relationships?. Taxon, 2006, 55, 857-870.	0.7	37
32	Identification of common horsetail (Equisetum arvense L.; Equisetaceae) using Thin Layer Chromatography versus DNA barcoding. Scientific Reports, 2015, 5, 11942.	3.3	36
33	Mitochondrial genome evolution in Alismatales: Size reduction and extensive loss of ribosomal protein genes. PLoS ONE, 2017, 12, e0177606.	2.5	36
34	Evolution of Asparagus L. (Asparagaceae): Out-of-South-Africa and multiple origins of sexual dimorphism. Molecular Phylogenetics and Evolution, 2015, 92, 25-44.	2.7	35
35	Multilateral benefit-sharing from digital sequence information will support both science and biodiversity conservation. Nature Communications, 2022, 13, 1086.	12.8	34
36	Are substitution rates and RNA editing correlated?. BMC Evolutionary Biology, 2010, 10, 349.	3.2	33

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37	The controversy over the retypification of <i>Acacia</i> Mill. with an Australian type: A pragmatic view. Taxon, 2011, 60, 194-198.	0.7	33
38	Taxonomy, phylogeny, and biogeography of the genus Oreobolus R.Br. (Cyperaceae), with comments on the biogeography of the South Pacific continents. Botanical Journal of the Linnean Society, 1988, 96, 119-195.	1.6	32
39	Phylogenetic analysis of the Triticeae (Poaceae). Hereditas, 2008, 116, 15-19.	1.4	31
40	Phylogeny of the Alismatales (Monocotyledons) and the relationship of <i><scp>A</scp>corus</i> (<scp>A</scp>corales?). Cladistics, 2016, 32, 141-159.	3.3	28
41	An empirical test of the treatment of indels during optimization alignment based on the phylogeny of the genus Secale (Poaceae). Molecular Phylogenetics and Evolution, 2004, 30, 733-742.	2.7	27
42	Revision of the genus<i>Ulvella</i>(Ulvellaceae, Ulvophyceae) based on morphology and<i>tufA</i>gene sequences of species in culture, with<i>Acrochaete</i>and<i>Pringsheimiella</i>placed in synonymy. Phycologia, 2013, 52, 37-56.	1.4	27
43	Comparison of the Giemsa C-banded and N-banded karyotypes of twoElymus species,E. dentatus andE. glaucescens (Poaceae: Triticeae). Plant Systematics and Evolution, 1994, 192, 165-176.	0.9	26
44	Phylogeny of the Liliales (Monocotyledons) with special emphasis on data partition congruence and RNA editing. Cladistics, 2013, 29, 274-295.	3.3	26
45	Localized Retroprocessing as a Model of Intron Loss in the Plant Mitochondrial Genome. Genome Biology and Evolution, 2016, 8, 2176-2189.	2.5	26
46	A taxonomic revision of the genus Hystrix (Triticeae, Poaceae). Nordic Journal of Botany, 1997, 17, 449-467.	0.5	24
47	PARALECTOTYPE, A NEW TYPE TERM IN BOTANY. Taxon, 1984, 33, 707-711.	0.7	23
48	When is enough, enough in phylogenetics? A case in point from Hordeum (Poaceae). Cladistics, 2011, 27, 428-446.	3.3	23
49	A Critique of the Theory and Methods of Panbiogeography. Systematic Zoology, 1986, 35, 369.	1.6	22
50	DNA Taxonomyâ€”the Riddle of <I>OxychloÃ«</I> (Juncaceae). Systematic Botany, 2005, 30, 284-289.	0.5	21
51	Mitochondrial Data in Monocot Phylologenetics. Aliso, 2006, 22, 52-62.	0.2	21
52	Genetic resources in the Triticeae. Hereditas, 0, 116, 141-150.	1.4	19
53	Phylogenetic relationships of allotetraploid Hordelymus europaeus (L.) Harz (Poaceae: Triticeae). Plant Systematics and Evolution, 2008, 273, 87-95.	0.9	18
54	Phylogenetic relationships in the millipede family Julidae. Cladistics, 2011, 27, 606-616.	3.3	17

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55	Genome Reports: Contracted Genes and Dwarfed Plastome in Mycoheterotrophic Sciaphila thaidanica (Triuridaceae, Pandanales). Genome Biology and Evolution, 2018, 10, 976-981.	2.5	17
56	Phylogeny of Triticeae (Poaceae) Based on Three Organelle Genes, Two Single-Copy Nuclear Genes, and Morphology. Aliso, 2007, 23, 362-371.	0.2	17
57	Taxonomy and phytogeny of the genus Acalypha (Euphorbiaceae) in the GalÃ¡pagos Archipelago. Nordic Journal of Botany, 1984, 4, 159-190.	0.5	16
58	Eremium, a New Genus of the Triticeae (Poaceae) from Argentina. Systematic Botany, 1996, 21, 3.	0.5	16
59	Alignment, clade robustness and fungal phylogeneticsâ€" Crepidotaceae and sister families revisited. Cladistics, 2010, 26, 62-71.	3.3	16
60	The origin of the H, St, W, and Y genomes in allotetraploid species of Elymus L. and Stenostachys Turcz. (Poaceae: Triticeae). Plant Systematics and Evolution, 2011, 291, 197-210.	0.9	16
61	Phylogenetics and systematics of Eria and related genera (Orchidaceae: Podochileae). Botanical Journal of the Linnean Society, 2018, 186, 179-201.	1.6	16
62	The aberrant millipede genus Pteridoiulus and its position in a revised molecular phylogeny of the family Julidae (Diplopoda : Julida). Invertebrate Systematics, 2013, 27, 515.	1.3	15
63	Graphs and Generalized Tracks: Some Comments on Methods. Systematic Zoology, 1989, 38, 69.	1.6	14
64	Complete genomic congruence but nonâ€monophyly of <i>Cymodocea</i> (Cymodoceaceae), a small group of seagrasses. Taxon, 2014, 63, 3-8.	0.7	14
65	Genes and Processed Paralogs Co-exist in Plant Mitochondria. Journal of Molecular Evolution, 2012, 74, 158-169.	1.8	13
66	The Complete Sequence of the Mitochondrial Genome of Butomus umbellatus â€“ A Member of an Early Branching Lineage of Monocotyledons. PLoS ONE, 2013, 8, e61552.	2.5	13
67	Variation and taxonomy in Hordeum depressum and in the H. brachyantherum complex (Poaceae). Nordic Journal of Botany, 1993, 13, 3-17.	0.5	12
68	The phylogenetic and taxonomic position of Lilaeopsis (Apiaceae), with notes on the applicability of ITS sequence data for phylogenetic reconstruction. Australian Systematic Botany, 2002, 15, 181.	0.9	12
69	Phylogenetic analysis of the Triticeae (Poaceae). Hereditas, 0, 116, 15-19.	1.4	11
70	<i>Stowaway</i>MITEs in<i>Hordeum</i>(Poaceae): evolutionary history, ancestral elements and classification. Cladistics, 2009, 25, 198-208.	3.3	11
71	Title is missing!. Euphytica, 1998, 102, 57-63.	1.2	10
72	Plant DNA: A new substrate for carbon stable isotope analysis and a potential paleoenvironmental indicator. Geology, 2004, 32, 241.	4.4	10

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73	Contrasting patterns of support among plastid genes and genomes for major clades of the monocotyledons. , 0, , 315-349.		10
74	A biometrical analysis of the South AmericanElymus glaucescens complex (Poaceae: Triticeae). Plant Systematics and Evolution, 1989, 166, 91-104.	0.9	9
75	Genome analysis ofElymus angulatus andE. patagonicus (Poaceae) and their hybrids with N. and S. AmericanHordeum spp.. Plant Systematics and Evolution, 1991, 174, 75-82.	0.9	9
76	A phylogenetic analysis of the genus <i>Colchicum</i> L. (Colchicaceae) based on sequences from six plastid regions. Taxon, 2011, 60, 1349-1365.	0.7	8
77	The Identity of Chillania pusilla Roivainen (Cyperaceae). Systematic Botany, 1985, 10, 239.	0.5	7
78	Genes from oxidative phosphorylation complexes II-V and two dual-function subunits of complex I are transcribed in Viscum album despite absence of the entire mitochondrial holo-complex I. Mitochondrion, 2022, 62, 1-12.	3.4	7
79	Evolution and diversity of PAPhy_a phytase in the genepool of wheat (Triticum aestivum L., Poaceae). Genetic Resources and Crop Evolution, 2017, 64, 2115-2126.	1.6	6
80	The genomic basis of the plant island syndrome in Darwinâ€™s giant daisies. Nature Communications, 2022, 13, .	12.8	6
81	THE SEVENTH ANNUAL MEETING OF THE WILLI HENNIG SOCIETY. Cladistics, 1989, 5, 183-191.	3.3	5
82	The karyotype ofFestucopsis serpentini (Poaceae Triticeae) from Albania studied by banding techniques and in situ hybridization. Plant Systematics and Evolution, 1996, 201, 75-82.	0.9	5
83	ITS regions highly conserved in cultivated barleys. Euphytica, 1996, 90, 233-234.	1.2	5
84	The Giemsa C-banded Karyotype of Crithopsis Delileana (Poaceae; Triticeae). Hereditas, 2004, 130, 51-55.	1.4	5
85	A phylogenetic analysis of the genus Psathyrostachys (Poaceae) based on one nuclear gene, three plastid genes, and morphology. Plant Systematics and Evolution, 2004, 249, 99-110.	0.9	5
86	Phylogenetics of Dendrochilum (Orchidaceae): Evidence of pronounced morphological homoplasy and predominantly centric endemism. Taxon, 2019, 68, 1173-1188.	0.7	5
87	Morphometric analysis of the Bersama abyssinica Fresen. complex (Melianthaceae) in East Africa. Plant Systematics and Evolution, 2001, 227, 157-182.	0.9	4
88	Karyotypes of Elymus scabrifolius (Poaceae: Triticeae) from South America Studied by Banding Techniques and in Situ Hybridization. Hereditas, 2004, 135, 41-50.	1.4	4
89	Carbon stable isotope composition of DNA isolated from an incipient paleosol. Geology, 2006, 34, 381.	4.4	4
90	Mitochondrial DNA Sequences in Plant Phylogenetics and Evolutionâ€"symposium at XVII IBC, Vienna, Austria. Taxon, 2006, 55, 833-835.	0.7	4

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91	DOES DAPI DETECT CYTOPLASMIC DNA?. American Journal of Botany, 1995, 82, 1215-1219.	1.7	3
92	BIOGRAPHICAL AND BIBLIOGRAPHICAL NOTES ON C. A. AND P. C. CANDARGY. Taxon, 1989, 38, 569-575.	0.7	2
93	Does DAPI Detect Cytoplasmic DNA?. American Journal of Botany, 1995, 82, 1215.	1.7	2
94	The Karyotype of Elymus Mendodnus (Poaceae; Triticeae) from Argentina studied by Banding Techniques. Hereditas, 2004, 131, 247-252.	1.4	2
95	NEW INFORMATION ON FERDINAND J. H. MUELLER'S EARLY TAXONOMIC PAPERS (1854â€1856). Taxon, 1986, 35, 262-271.	0.7	1
96	A new combination in Hordeum (Triticeae, Poaceae). Nordic Journal of Botany, 1991, 11, 153-153.	0.5	1
97	To aitch or not to aitch: <I>Ripogonum</I> (<I>Ripogonaceae</I>) or <I>Rhipogonum</I> (<I>Rhipogonaceae</I>)?. Taxon, 2013, 62, 606-608.	0.7	1
98	Molecular Studies on the Phylogeny of the Genus Barley (Hordeum; Poaceae). , 1998, , 437-440.		1
99	THE HIERARCHY OF TYPESâ€AGAIN. Taxon, 1984, 33, 496-497.	0.7	1
100	Chris Humphries (1947-2009): botanist, cladist and biogeographer: an appreciation. Cladistics, 2011, 27, 223-229.	3.3	0
101	Corrigendum to â€œTo aitch or not to aitch: <i>Ripogonum (Ripogonaceae)</i> or <i>Rhipogonum (Rhipogonaceae)</i>?. Taxon, 2013, 62, 1364-1364.	0.7	0
102	Willi Hennig's legacy in the Nordic countries. , 0, , 31-69.		0
103	A phylogenetic analysis of the monogenomic Triticeae (Poaceae) based on morphology. Botanical Journal of the Linnean Society, 2001, 136, 75-97.	1.6	0