

Sanna Elina Olsson

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,187
citations

430442

18
h-index

395343

33
g-index

40
all docs

40
docs citations

40
times ranked

1686
citing authors

#	ARTICLE	IF	CITATIONS
1	WRKY6 Transcription Factor Restricts Arsenate Uptake and Transposon Activation in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 25, 2944-2957.	3.1	176
2	Bridging the micro- and macroevolutionary levels in phylogenomics: Hyb-Seq solves relationships from populations to species and above. <i>New Phytologist</i> , 2018, 220, 636-650.	3.5	152
3	The <i>TRANSPLANTA</i> collection of <i>Arabidopsis</i> lines: a resource for functional analysis of transcription factors based on their conditional overexpression. <i>Plant Journal</i> , 2014, 77, 944-953.	2.8	104
4	Phylogenetic analyses reveal high levels of polyphyly among pleurocarpous lineages as well as novel clades. <i>Bryologist</i> , 2009, 112, 447-466.	0.1	63
5	When morphology and molecules tell us different stories: a case-in-point with <i>Leptodon corsicus</i> , a new and unique endemic moss species from Corsica. <i>Journal of Bryology</i> , 2009, 31, 186-196.	0.4	61
6	Disentangling knots of rapid evolution: origin and diversification of the moss order Hypnales. <i>Journal of Bryology</i> , 2012, 34, 187-211.	0.4	60
7	Evolution of the Neckeraceae (Bryophyta): Resolving the backbone phylogeny. <i>Systematics and Biodiversity</i> , 2009, 7, 419-432.	0.5	56
8	Gene-rich UV sex chromosomes harbor conserved regulators of sexual development. <i>Science Advances</i> , 2021, 7, .	4.7	53
9	<i>Neckera</i> and <i>Thamnobryum</i> (Neckeraceae, Bryopsida): Paraphyletic assemblages. <i>Taxon</i> , 2011, 60, 36-50.	0.4	37
10	Basis of genetic adaptation to heavy metal stress in the acidophilic green alga <i>Chlamydomonas acidophila</i> . <i>Aquatic Toxicology</i> , 2018, 200, 62-72.	1.9	35
11	Comparative Transcriptomic Analysis of the Response of <i>Dunaliella acidophila</i> (Chlorophyta) to Short-Term Cadmium and Chronic Natural Metal-Rich Water Exposures. <i>Microbial Ecology</i> , 2016, 72, 595-607.	1.4	29
12	New insights in the evolution of the liverwort family Aneuraceae (Metzgeriales, Marchantiophyta), with emphasis on the genus <i>Lobatirricardia</i> . <i>Taxon</i> , 2010, 59, 1424-1440.	0.4	28
13	The origin of the British and Macaronesian endemic <i>Thamnobryum</i> species (Neckeraceae). <i>Journal of Bryology</i> , 2009, 31, 1-10.	0.4	27
14	Phylogenetic relationships in the <i>Pinnatella</i> clade of the moss family Neckeraceae (Bryophyta). <i>Organisms Diversity and Evolution</i> , 2010, 10, 107-122.	0.7	27
15	Horizontal Gene Transfer of Phytochelatin Synthases from Bacteria to Extremophilic Green Algae. <i>Microbial Ecology</i> , 2017, 73, 50-60.	1.4	27
16	Altitudinal gradients, biogeographic history and microhabitat adaptation affect fine-scale spatial genetic structure in African and Neotropical populations of an ancient tropical tree species. <i>PLoS ONE</i> , 2017, 12, e0182515.	1.1	23
17	Comparative study on the population genetics of the red algae <i>Furcellaria lumbricalis</i> occupying different salinity conditions. <i>Marine Biology</i> , 2012, 159, 561-571.	0.7	20
18	Phylogeny-Based Comparative Methods Question the Adaptive Nature of Sporophytic Specializations in Mosses. <i>PLoS ONE</i> , 2012, 7, e48268.	1.1	19

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19	Transcriptional response to copper excess and identification of genes involved in heavy metal tolerance in the extremophilic microalga <i>Chlamydomonas acidophila</i> . <i>Extremophiles</i> , 2015, 19, 657-672.	0.9	18
20	Reconstruction of structural evolution in the trnL intron P6b loop of symbiotic <i>Nostoc</i> (Cyanobacteria). <i>Current Genetics</i> , 2012, 58, 49-58.	0.8	15
21	Toxicity, Physiological, and Ultrastructural Effects of Arsenic and Cadmium on the Extremophilic Microalga <i>Chlamydomonas acidophila</i> . <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1650.	1.2	15
22	Phylogeny of <i>Neckeropsis</i> and <i>Himantocladium</i> (Neckeraceae, Bryophytina). <i>Bryophyte Diversity and Evolution</i> , 2016, 38, 53.	1.0	14
23	Ecological and geological processes impacting speciation modes drive the formation of wide-range disjunctions within tribe Putorieae (Rubiaceae). <i>Journal of Systematics and Evolution</i> , 2021, 59, 915-934.	1.6	12
24	Species-diagnostic markers in the genus <i>Pinus</i> : evaluation of the chloroplast regions <i>matK</i> and <i>ycf1</i> . <i>Forest Systems</i> , 2018, 27, e016.	0.1	12
25	Evolution of the tRNA ^{Leu} (UAA) Intron and Congruence of Genetic Markers in Lichen-Symbiotic <i>Nostoc</i> . <i>PLoS ONE</i> , 2015, 10, e0131223.	1.1	11
26	Evolutionary relevance of lineages in the European black pine (<i>Pinus nigra</i>) in the transcriptomic era. <i>Tree Genetics and Genomes</i> , 2020, 16, 1.	0.6	10
27	Physiological and Phylogenetic Diversity of Acidophilic Eukaryotes. , 2016, , 107-118.		10
28	Search for stress-responsive genes in the red alga <i>Furcellaria lumbricalis</i> (Rhodophyta) by expressed sequence tag analysis. <i>Journal of Experimental Marine Biology and Ecology</i> , 2011, 404, 21-25.	0.7	9
29	Development of genomic tools in a widespread tropical tree, <i>Symphyton globulifera</i> L.f.: a new low-coverage draft genome, <i>SNP</i> and <i>SSR</i> markers. <i>Molecular Ecology Resources</i> , 2017, 17, 614-630.	2.2	9
30	Orthostichellaceae fam. nov. and other novelties in pleurocarpous mosses revealed by phylogenetic analyses. <i>Bryologist</i> , 2019, 122, 219.	0.1	9
31	<i>Forsstroemia</i> Lindb. (Neckeraceae) revisited. <i>Journal of Bryology</i> , 2012, 34, 114-122.	0.4	8
32	Solar Radiation Stress in Natural Acidophilic Biofilms of <i>Euglena mutabilis</i> Revealed by Metatranscriptomics and PAM Fluorometry. <i>Protist</i> , 2016, 167, 67-81.	0.6	8
33	De novo assembly of English yew (<i>Taxus baccata</i>) transcriptome and its applications for intra- and inter-specific analyses. <i>Plant Molecular Biology</i> , 2018, 97, 337-345.	2.0	8
34	Evolutionary history of the mediterranean <i>Pinus halepensis-brutia</i> species complex using gene-resequencing and transcriptomic approaches. <i>Plant Molecular Biology</i> , 2021, 106, 367-380.	2.0	7
35	Single nucleotide polymorphisms found in the red alga <i>Furcellaria lumbricalis</i> (Gigartinales): new markers for population and conservation genetic analyses. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2013, 23, 460-467.	0.9	6
36	Rare and widespread: integrating Bayesian MCMC approaches, Sanger sequencing and Hyb-Seq phylogenomics to reconstruct the origin of the enigmatic Rand Flora genus <i>Camptoloma</i> . <i>American Journal of Botany</i> , 2021, 108, 1673-1691.	0.8	6

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37	Validation of the Combination <i>Homaliodendron fruticosum</i> (Neckeraceae, Bryophyta). <i>Annales Botanici Fennici</i> , 2010, 47, 306-306.	0.0	2
38	Neckera, <i>Forsstroemia</i> and <i>Alleniella</i> (Neckeraceae, Bryophyta) redefined based on phylogenetic analyses. <i>Bryologist</i> , 2022, 125, .	0.1	1
39	Phylogenesis and Evolution of Mediterranean Pines. <i>Managing Forest Ecosystems</i> , 2021, , 3-17.	0.4	0
40	Heterologous Expression of the Phytochelatin Synthase CaPCS2 from <i>Chlamydomonas acidophila</i> and Its Effect on Different Stress Factors in <i>Escherichia coli</i> . <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 7692.	1.2	0