Silvia Fluch

List of Publications by Year
in descending order

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Version: 2024-02-01

32 papers	1,549 citations	430874 18 h-index	434195 31 g-index
32 all docs	32 docs citations	32 times ranked	2504 citing authors

#	Article	IF	Citations
1	Current Status of the Algae Production Industry in Europe: An Emerging Sector of the Blue Bioeconomy. Frontiers in Marine Science, 2021, 7, .	2.5	272
2	Epigenetic regulation of adaptive responses of forest tree species to the environment. Ecology and Evolution, 2013, 3, 399-415.	1.9	271
3	Transcript Profiling of Poplar Leaves upon Infection with Compatible and Incompatible Strains of the Foliar Rust Melampsora larici-populina Â. Plant Physiology, 2007, 144, 347-366.	4.8	156
4	A Genomic Approach to Suberin Biosynthesis and Cork Differentiation. Plant Physiology, 2007, 144, 419-431.	4.8	147
5	Towards decoding the conifer giga-genome. Plant Molecular Biology, 2012, 80, 555-569.	3.9	91
6	Ecophysiological and transcriptomic responses of oak (Quercus robur) to long-term drought exposure and rewatering. Environmental and Experimental Botany, 2012, 77, 117-126.	4.2	87
7	Drought Sensitivity of Norway Spruce at the Speciesâ€™ Warmest Fringe: Quantitative and Molecular Analysis Reveals High Genetic Variation Among and Within Provenances. G3: Genes, Genomes, Genetics, 2018, 8, 1225-1245.	1.8	58
8	The oak gene expression atlas: insights into Fagaceae genome evolution and the discovery of genes regulated during bud dormancy release. BMC Genomics, 2015, 16, 112.	2.8	49
9	Erwinia amylovora-induced defense mechanisms of two apple species that differ in susceptibility to fire blight. Plant Science, 2010, 179, 60-67.	3.6	41
10	A potato skin SSH library yields new candidate genes for suberin biosynthesis and periderm formation. Planta, 2011, 233, 933-945.	3.2	39
11	Association genetics of phenolic needle compounds in Norway spruce with variable susceptibility to needle bladder rust. Plant Molecular Biology, 2017, 94, 229-251.	3.9	30
12	Characterization of variable EST SSR markers for Norway spruce (Picea abies L.). BMC Research Notes, 2011, 4, 401.	1.4	27
13	Elucidation of origin of the present day hybrid banana cultivars using the 5â€²ETS rDNA sequence information. Molecular Breeding, 2009, 24, 77-91.	2.1	25
14	Microsatellite markers in the tree peony, Paeonia suffruticosa (Paeoniaceae). American Journal of Botany, 2010, 97, e42-4.	1.7	24
15	Insights into drought adaptation of two European oak species revealed by nucleotide diversity of candidate genes. Tree Genetics and Genomes, 2013, 9, 1179-1192.	1.6	24
16	Elucidating Drought Stress Tolerance in European Oaks Through Cross-Species Transcriptomics. G3: Genes, Genomes, Genetics, 2019, 9, 3181-3199.	1.8	22
17	Control of Origin of Sesame Oil from Various Countries by Stable Isotope Analysis and DNA Based Markersâ€"A Pilot Study. PLoS ONE, 2015, 10, e0123020.	2.5	22
18	Genetic variability of relictRhododendron ferrugineumL. populations in the Northern Apennines with some inferences for a conservation strategy. Plant Biosystems, 2012, 146, 24-32.	1.6	20

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19	Sequence Composition and Gene Content of the Short Arm of Rye (Secale cereale) Chromosome 1. PLoS ONE, 2012, 7, e30784.	2.5	20
20	A first view on the unsuspected intragenus diversity of Nâ€glycans in Chlorella microalgae. Plant Journal, 2020, 103, 184-196.	5.7	19
21	Transcriptomic changes in wind-exposed poplar leaves are dependent on developmental stage. Planta, 2008, 228, 757-764.	3.2	18
22	Assessment of genetic diversity amongst Ugandan sesame (Sesamum indicum L.) landraces based on agromorphological traits and genetic markers. Journal of Crop Science and Biotechnology, 2016, 19, 117-124.	1.5	17
23	Epigenetic Variability Among Saffron Crocus (Crocus sativus L.) Accessions Characterized by Different Phenotypes. Frontiers in Plant Science, 2021, 12, 642631.	3.6	15
24	Differentiation among Austrian populations of Norway spruce [Picea abies (L.) Karst.] assayed by mitochondrial DNA markers. Tree Genetics and Genomes, 2007, 3, 199-206.	1.6	14
25	Cultivar specific gene pool may play an important role in Musa acuminata Colla evolution. Genetic Resources and Crop Evolution, 2021, 68, 1589-1601.	1.6	11
26	The promises of microalgaeâ€”still a long way to go. FEMS Microbiology Letters, 2018, 365, .	1.8	8
27	Forest ecosystem genomics and adaptation: EVOLTREE conference report. Tree Genetics and Genomes, 2011, 7, 869-875.	1.6	7
28	Allele discovery of ten candidate drought-response genes in Austrian oak using a systematically informatics approach based on 454 amplicon sequencing. BMC Research Notes, 2012, 5, 175.	1.4	7
29	How to Isolate a Plantâ€™s Hypomethylome in One Shot. BioMed Research International, 2015, 2015, 1-12.	1.9	4
30	In silico search for drought-responsive genes in plants on the basis of scientific data: case study on poplar roots. Acta Physiologiae Plantarum, 2013, 35, 1955-1966.	2.1	3
31	Towards the Selection of Superior Sesame Lines Based on Genetic and Phenotypic Characterisation for Uganda. Journal of Agricultural Science, 2017, 9, 13.	0.2	1
32	cpDNA. , 1998, , 223-228.		0