Tatyana V Savchenko

List of Publications by Year
in descending order

29 papers	1,831 citations	394286 19 h-index	526166 27 g-index
29 all docs	29 docs citations	29 times ranked	2882 citing authors

#	Article	IF	Citations
1	Regulation of Sixth Seminal Root Formation by Jasmonate in Triticum aestivum L.. Plants, 2021, 10, 219.	1.6	10
2	Oxidative Stress-Induced Alteration of Plant Central Metabolism. Life, 2021, 11, 304.	1.1	31
3	Warm temperature triggers JOX and ST2A-mediated jasmonate catabolism to promote plant growth. Nature Communications, 2021, 12, 4804.	5.8	20
4	Metabolism of Photosynthetic Organisms. Life, 2021, 11, 946.	1.1	0
5	Cortical photosynthesis as a physiological marker for grape breeding: methods and approaches. BIO Web of Conferences, 2020, 25, 02018.	0.1	0
6	Jasmonates-Mediated Rewiring of Central Metabolism Regulates Adaptive Responses. Plant and Cell Physiology, 2019, 60, 2613-2620.	1.5	30
7	Waterlogging tolerance rendered by oxylipin-mediated metabolic reprogramming in Arabidopsis. Journal of Experimental Botany, 2019, 70, 2919-2932.	2.4	21
8	Overexpression of Arabidopsis OPR3 in Hexaploid Wheat (Triticum aestivum L.) Alters Plant Development and Freezing Tolerance. International Journal of Molecular Sciences, 2018, 19, 3989.	1.8	30
9	Structural and functional characteristics of photosynthetic apparatus of chlorophyll-containing grape vine tissue. Russian Journal of Plant Physiology, 2017, 64, 73-82.	0.5	12
10	The hydroperoxide lyase branch of the oxylipin pathway protects against photoinhibition of photosynthesis. Planta, 2017, 245, 1179-1192.	1.6	19
11	Drought stress modulates oxylipin signature by eliciting 12-OPDA as a potent regulator of stomatal aperture. Plant Signaling and Behavior, 2014, 9, e28304.	1.2	31
12	Functional Convergence of Oxylipin and Abscisic Acid Pathways Controls Stomatal Closure in Response to Drought Â Â. Plant Physiology, 2014, 164, 1151-1160.	2.3	241
13	Oxylipins and plant abiotic stress resistance. Biochemistry (Moscow), 2014, 79, 362-375.	0.7	60
14	Insect herbivores selectively suppress the <scp>HPL</scp> branch of the oxylipin pathway in host plants. Plant Journal, 2013, 73, 653-662.	2.8	52
15	Arabidopsis Calmodulin-binding Protein IQ67-Domain 1 Localizes to Microtubules and Interacts with Kinesin Light Chain-related Protein-1. Journal of Biological Chemistry, 2013, 288, 1871-1882.	1.6	116
16	Insect herbivores selectively mute GLV production in plants. Plant Signaling and Behavior, 2013, 8, e24136.	1.2	12
17	The Calmodulin-Binding Transcription Factor SIGNAL RESPONSIVE1 is a Novel Regulator of Glucosinolate Metabolism and Herbivory Tolerance in Arabidopsis. Plant and Cell Physiology, 2012, 53, 2008-2015.	1.5	58
18	Retrograde Signaling by the Plastidial Metabolite MEcPP Regulates Expression of Nuclear Stress-Response Genes. Cell, 2012, 149, 1525-1535.	13.5	368

#	Article	IF	Citations
19	Eicosapolyenoic acids. Plant Signaling and Behavior, 2011, 6, 531-533.	1.2	13
20	Intronic T-DNA Insertion Renders Arabidopsisopr3a Conditional Jasmonic Acid-Producing Mutant Â Â Â. Plant Physiology, 2011, 156, 770-778.	2.3	93
21	Investigating the function of CAF1 deadenylases during plant stress responses. Plant Signaling and Behavior, 2010, 5, 802-805.	1.2	19
22	Arachidonic Acid: An Evolutionarily Conserved Signaling Molecule Modulates Plant Stress Signaling Networks Â. Plant Cell, 2010, 22, 3193-3205.	3.1	152
23	Genome-Wide Expression Profiling Arabidopsis at the Stage ofGolovinomyces cichoracearumHaustorium Formation Â Â. Plant Physiology, 2008, 146, 1421-1439.	2.3	79
24	Distinct Roles of Jasmonates and Aldehydes in Plant-Defense Responses. PLoS ONE, 2008, 3, e1904.	1.1	120
25	Genome-wide comparative analysis of the IQD gene families in Arabidopsis thaliana and Oryza sativa. BMC Evolutionary Biology, 2005, 5, 72.	3.2	119
26	Isolation and characterization of a xanthophyll-rich fraction from the thylakoid membrane of Dunaliella salina(green algae). Photochemical and Photobiological Sciences, 2005, 4, 1028.	1.6	19
27	Three-dimensional structure of a halotolerant algal carbonic anhydrase predicts halotolerance of a mammalian homolog. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 7493-7498.	3.3	71
28	Natural protein engineering: a uniquely salt-tolerant, but not halophilic, Â-type carbonic anhydrase from algae proliferating in low- to hyper-saline environments. Protein Engineering, Design and Selection, 2004, 17, 191-200.	1.0	27
29	Identification, cDNA cloning, expression, crystallization and preliminary X-ray analysis of an exceptionally halotolerant carbonic anhydrase fromDunaliella salina. Acta Crystallographica Section D: Biological Crystallography, 2003, 59, 1084-1086.	2.5	8