

Sorina C Popescu

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,511
citations

623734

14
h-index

501196

28
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35
all docs

35
docs citations

35
times ranked

2361
citing authors

#	ARTICLE	IF	CITATIONS
1	Metagenomic Analyses of the Soybean Root Mycobiome and Microbiome Reveal Signatures of the Healthy and Diseased Plants Affected by Taproot Decline. <i>Microorganisms</i> , 2022, 10, 856.	3.6	4
2	Profiling thimet oligopeptidase-mediated proteolysis in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2021, 106, 336-350.	5.7	5
3	Profiling Thimet Oligopeptidase-Mediated Proteolysis in <i>Arabidopsis thaliana</i> . <i>FASEB Journal</i> , 2021, 35, .	0.5	0
4	<i>Arabidopsis thaliana</i> thimet oligopeptidases are redox-sensitive enzymes active in the local and systemic plant immune response. <i>Journal of Biological Chemistry</i> , 2021, 296, 100695.	3.4	5
5	Methods for Optimization of Protein Extraction and Proteogenomic Mapping in Sweet Potato. <i>Methods in Molecular Biology</i> , 2020, 2139, 309-324.	0.9	3
6	Proteomics and Proteogenomics Analysis of Sweetpotato (<i>Ipomoea batatas</i>) Leaf and Root. <i>Journal of Proteome Research</i> , 2019, 18, 2719-2734.	3.7	13
7	Evaluation of linear models and missing value imputation for the analysis of peptide-centric proteomics. <i>BMC Bioinformatics</i> , 2019, 20, 102.	2.6	16
8	Multispecies genome-wide analysis defines the MAP3K gene family in <i>Gossypium hirsutum</i> and reveals conserved family expansions. <i>BMC Bioinformatics</i> , 2019, 20, 99.	2.6	5
9	Proteome-Wide Analysis of Cysteine Reactivity during Effector-Triggered Immunity. <i>Plant Physiology</i> , 2019, 179, 1248-1264.	4.8	26
10	Integrative network-centric approach reveals signaling pathways associated with plant resistance and susceptibility to <i>Pseudomonas syringae</i> . <i>PLoS Biology</i> , 2018, 16, e2005956.	5.6	10
11	The <i>Arabidopsis thaliana</i> Knockout Mutant for Phytochelatin Synthase1 (<i>cad1-3</i>) Is Defective in Callose Deposition, Bacterial Pathogen Defense and Auxin Content, But Shows an Increased Stem Lignification. <i>Frontiers in Plant Science</i> , 2018, 9, 19.	3.6	35
12	Insights into the Structure, Function, and Ion-Mediated Signaling Pathways Transduced by Plant Integrin-Linked Kinases. <i>Frontiers in Plant Science</i> , 2017, 8, 376.	3.6	21
13	The Raf-like kinase ILK1 and the high affinity K ⁺ transporter HAK5 are required for Innate Immunity and Abiotic Stress Response. <i>Plant Physiology</i> , 2016, 171, pp.00035.2016.	4.8	59
14	<scp>ABC</scp> transporter <scp>PEN</scp>3</scp>PDR</scp>8</scp>ABCG</scp>36 interacts with calmodulin that, like <scp>PEN</scp>3, is required for <i>Arabidopsis</i> nonhost resistance. <i>New Phytologist</i> , 2016, 209, 294-306.	7.3	67
15	Protein networks – A driving force for discovery in plant science. <i>Current Plant Biology</i> , 2016, 5, 1.	4.7	4
16	Big Data in Plant Science: Resources and Data Mining Tools for Plant Genomics and Proteomics. <i>Methods in Molecular Biology</i> , 2016, 1415, 533-547.	0.9	8
17	Polyamines as redox homeostasis regulators during salt stress in plants. <i>Frontiers in Environmental Science</i> , 2015, 3, .	3.3	153
18	Dimerization and thiol sensitivity of the salicylic acid binding thimet oligopeptidases TOP1 and TOP2 define their functions in redox-sensitive cellular pathways. <i>Frontiers in Plant Science</i> , 2015, 6, 327.	3.6	12

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19	The Tomato Kinome and the Tomato Kinase Library ORFeome: Novel Resources for the Study of Kinases and Signal Transduction in Tomato and <i>Solanaceae</i> Species. <i>Molecular Plant-Microbe Interactions</i> , 2014, 27, 7-17.	2.6	30
20	Next-generation plant science: putting big data to work. <i>Genome Biology</i> , 2014, 15, 301.	9.6	8
21	Report on the annual meeting of the working groups "Mycology" and "Host-Parasite-Interactions" of the German Scientific Society for Plant Protection and Plant Health r. S.. <i>Journal of Plant Diseases and Protection</i> , 2014, 121, 229-233.	2.9	0
22	Experimental and Analytical Approaches to Characterize Plant Kinases Using Protein Microarrays. <i>Methods in Molecular Biology</i> , 2014, 1171, 217-235.	0.9	6
23	The <i>Arabidopsis thaliana</i> rhabdopsin oligopeptidases TOP1 and TOP2 are salicylic acid targets that modulate SA-mediated signaling and the immune response. <i>Plant Journal</i> , 2013, 76, 603-614.	5.7	41
24	A Model for the Biosynthesis and Transport of Plasma Membrane-Associated Signaling Receptors to the Cell Surface. <i>Frontiers in Plant Science</i> , 2012, 3, 71.	3.6	10
25	<i>Arabidopsis thaliana</i> RTNLB1 and RTNLB2 Reticulon-Like Proteins Regulate Intracellular Trafficking and Activity of the FLS2 Immune Receptor. <i>Plant Cell</i> , 2011, 23, 3374-3391.	6.6	76
26	Complexity and Modularity of MAPK Signaling Networks. , 2011, , 355-368.		2
27	Integrated analysis of co-expressed MAP kinase substrates in <i>Arabidopsis thaliana</i> . <i>Plant Signaling and Behavior</i> , 2009, 4, 524-527.	2.4	13
28	MAPK target networks in <i>Arabidopsis thaliana</i> revealed using functional protein microarrays. <i>Genes and Development</i> , 2009, 23, 80-92.	5.9	438
29	<i>Arabidopsis thaliana</i> Protein Microarrays for the High-Throughput Identification of Protein-Protein Interactions. <i>Plant Signaling and Behavior</i> , 2007, 2, 416-420.	2.4	30
30	Differential binding of calmodulin-related proteins to their targets revealed through high-density <i>Arabidopsis thaliana</i> protein microarrays. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 4730-4735.	7.1	369
31	Silencing of ribosomal protein L3 genes in <i>Nicotiana glauca</i> reveals coordinate expression and significant alterations in plant growth, development and ribosome biogenesis. <i>Plant Journal</i> , 2004, 39, 29-44.	5.7	42
32	Complexity and Modularity of MAPK Signaling Networks. , 0, , 676-689.		0