George V Popescu

List of Publications by Year in descending order

39 papers	1,355 citations	840776 11 h-index	642732 23 g-index
42 all docs	42 docs citations	42 times ranked	2139 citing authors

#	Article	IF	Citations
1	NetSeekR: a network analysis pipeline for RNA-Seq time series data. BMC Bioinformatics, 2022, 23, 54.	2.6	4
2	Stable rotational symmetric schemes for nonlinear reaction-diffusion equations. Computers and Mathematics With Applications, 2022, 109, 191-203.	2.7	0
3	Metagenomic Analyses of the Soybean Root Mycobiome and Microbiome Reveal Signatures of the Healthy and Diseased Plants Affected by Taproot Decline. Microorganisms, 2022, 10, 856.	3.6	4
4	Arabidopsis thimet oligopeptidases are redox-sensitive enzymes active in the local and systemic plant immune response. Journal of Biological Chemistry, 2021, 296, 100695.	3.4	5
5	A Nonoscillatory Second-Order Time-Stepping Procedure for Reaction-Diffusion Equations. Complexity, 2020, 2020, 1-15.	1.6	4
6	Methods for Optimization of Protein Extraction and Proteogenomic Mapping in Sweet Potato. Methods in Molecular Biology, 2020, 2139, 309-324.	0.9	3
7	Proteomics and Proteogenomics Analysis of Sweetpotato (Ipomoea batatas) Leaf and Root. Journal of Proteome Research, 2019, 18, 2719-2734.	3.7	13
8	Evaluation of linear models and missing value imputation for the analysis of peptide-centric proteomics. BMC Bioinformatics, 2019, 20, 102.	2.6	16
9	Multispecies genome-wide analysis defines the MAP3K gene family in Gossypium hirsutum and reveals conserved family expansions. BMC Bioinformatics, 2019, 20, 99.	2.6	5
10	Proteome-Wide Analysis of Cysteine Reactivity during Effector-Triggered Immunity. Plant Physiology, 2019, 179, 1248-1264.	4.8	26
11	Integrative network-centric approach reveals signaling pathways associated with plant resistance and susceptibility to Pseudomonas syringae. PLoS Biology, 2018, 16, e2005956.	5.6	10
12	Insights into the Structure, Function, and Ion-Mediated Signaling Pathways Transduced by Plant Integrin-Linked Kinases. Frontiers in Plant Science, 2017, 8, 376.	3.6	21
13	Role of an Abscisic Acidâ€Activated Protein Kinase in Drought Response in Soybean Revealed by RNAâ€Seq. FASEB Journal, 2017, 31, 770.4.	0.5	0
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 Arabidopsis nonhost resistance. New Phytologist, 2016, 209, 294-306.	7.3	67
15	Big Data in Plant Science: Resources and Data Mining Tools for Plant Genomics and Proteomics. Methods in Molecular Biology, 2016, 1415, 533-547.	0.9	8
16	Dimerization and thiol sensitivity of the salicylic acid binding thimet oligopeptidases TOP1 and TOP2 define their functions in redox-sensitive cellular pathways. Frontiers in Plant Science, 2015, 6, 327.	3.6	12
17	The Tomato Kinome and the Tomato Kinase Library ORFeome: Novel Resources for the Study of Kinases and Signal Transduction in Tomato and Solanaceae Species. Molecular Plant-Microbe Interactions, 2014, 27, 7-17.	2.6	30
18	Experimental and Analytical Approaches to Characterize Plant Kinases Using Protein Microarrays. Methods in Molecular Biology, 2014, 1171, 217-235.	0.9	6

#	Article	IF	Citations
19	The <scp>A</scp>rabidopsis oligopeptidases <scp>TOP</scp>1 and <scp>TOP</scp>2 are salicylic acid targets that modulate <scp>SA</scp>â€mediated signaling and the immune response. Plant Journal, 2013, 76, 603-614.	5.7	41
20	Optical Spectrum Analysis of Chaotic Synchronization in a Bidirectional Coupled Semiconductor Laser System. , 2013, , 425-429.		0
21	Arabidopsis RTNLB1 and RTNLB2 Reticulon-Like Proteins Regulate Intracellular Trafficking and Activity of the FLS2 Immune Receptor Â. Plant Cell, 2011, 23, 3374-3391.	6.6	76
22	Complexity and Modularity of MAPK Signaling Networks. , 2011, , 355-368.		2
23	Integrated analysis of co-expressed MAP kinase substrates inArabidopsis thaliana. Plant Signaling and Behavior, 2009, 4, 524-527.	2.4	13
24	MAPK target networks in Arabidopsis thaliana revealed using functional protein microarrays. Genes and Development, 2009, 23, 80-92.	5.9	438
25	Differential binding of calmodulin-related proteins to their targets revealed through high-density Arabidopsis protein microarrays. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 4730-4735.	7.1	369
26	Network overlays for efficient control of large scale dynamic groups. , 2006, , .		1
27	High-resolution mapping of DNA copy alterations in human chromosome 22 using high-density tiling oligonucleotide arrays. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 4534-4539.	7.1	125
28	Preference-aware overlay topologies for group communication. , 2005, , .		1
29	Distributed Simulation and the Grid: Position Statements. , 2004, , .		5
30	<title>Visual keyword-based word spotting in handwritten documents</title>. , 1998, 3305, 185.		0
31	Analog-resistive networks for motion detection. , 1995, , .		1
32	An MRF based motion detection algorithm implemented on analog resistive network. Lecture Notes in Computer Science, 1994, , 167-174.	1.3	4
33	On scheduling 3D model transmission in network virtual environments. , 0, , .		2
34	An architecture for QoS data replication in network virtual environments. , 0, , .		15
35	Scalable and efficient update dissemination for distributed interactive applications. , 0, , .		8
36	Stateless Application-Level Multicast for Dynamic Group Communication. , 0, , .		10

#	Article	IF	Citations
37	Unresonant interaction of laser beams with microdroplets. Journal of the European Optical Society-Rapid Publications, 0, 7, .	1.9	9
38	Optical spectrum behaviour of a coupled laser system under chaotic synchronization conditions. Journal of the European Optical Society-Rapid Publications, 0, 8, .	1.9	1
39	Complexity and Modularity of MAPK Signaling Networks. , 0, , 676-689.		0