Claudius Marondedze

List of Publications by Year
in descending order

35	1,121	331538	414303
papers	citations	21 h-index	32 g-index

36	36	36	1555
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The RNA-binding protein repertoire of Arabidopsis thaliana. Scientific Reports, 2016, 6, 29766.	1.6	139
2	Structural and functional characteristics of cGMP-dependent methionine oxidation in Arabidopsis thaliana proteins. Cell Communication and Signaling, 2013, 11, 1.	2.7	77
3	RNA-Binding Proteins Revisited â€“ The Emerging Arabidopsis mRNA Interactome. Trends in Plant Science, 2017, 22, 512-526.	4.3	69
4	Multi-omics analysis of thermal stress response in a zooxanthellate cnidarian reveals the importance of associating with thermotolerant symbionts. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20172654.	1.2	61
5	Changes in the Arabidopsis RNA-binding proteome reveal novel stress response mechanisms. BMC Plant Biology, 2019, 19, 139.	1.6	50
6	Cyclic mononucleotides modulate potassium and calcium flux responses to H₂O₂ in Arabidopsis roots. FEBS Letters, 2014, 588, 1008-1015.	1.3	48
7	Proteomic signatures implicate cAMP in light and temperature responses in Arabidopsis thaliana. Journal of Proteomics, 2013, 83, 47-59.	1.2	47
8	The dual nature of trehalose in citrus canker disease: a virulence factor for Xanthomonas citri subsp. citri and a trigger for plant defence responses. Journal of Experimental Botany, 2015, 66, 2795-2811.	2.4	47
9	The brassinosteroid receptor <scp>BRI</scp>1 can generate <scp>cGMP</scp> enabling <scp>cGMP</scp>â€dependent downstream signaling. Plant Journal, 2017, 91, 590-600.	2.8	44
10	Insights into xanthomonas axonopodis pv. citri biofilm through proteomics. BMC Microbiology, 2013, 13, 186.	1.3	40
11	The type III protein secretion system contributes to Xanthomonas citri subsp. citri biofilm formation. BMC Microbiology, 2014, 14, 96.	1.3	38
12	A Quantitative Phosphoproteome Analysis of cGMP-Dependent Cellular Responses in Arabidopsis thaliana. Molecular Plant, 2016, 9, 621-623.	3.9	38
13	Drought Stress Causes Specific Changes to the Spliceosome and Stress Granule Components. Frontiers in Molecular Biosciences, 2019, 6, 163.	1.6	38
14	Dynamic changes in the date palm fruit proteome during development and ripening. Horticulture Research, 2014, 1, 14039.	2.9	34
15	Changes in the Arabidopsis thaliana Proteome Implicate cAMP in Biotic and Abiotic Stress Responses and Changes in Energy Metabolism. International Journal of Molecular Sciences, 2016, 17, 852.	1.8	34
16	Growth and development of Arabidopsis thaliana under single-wavelength red and blue laser light. Scientific Reports, 2016, 6, 33885.	1.6	31
17	Discovery of Novel Functional Centers With Rationally Designed Amino Acid Motifs. Computational and Structural Biotechnology Journal, 2018, 16, 70-76.	1.9	31
18	Cyclic Nucleotide Monophosphates in Plants and Plant Signaling. Handbook of Experimental Pharmacology, 2015, 238, 87-103.	0.9	28

#	Article	IF	Citations
19	Phosphorylation of the dimeric cytoplasmic domain of the phytosulfokine receptor, PSKR1. Biochemical Journal, 2016, 473, 3081-3098.	1.7	27
20	Apple Hypanthium Firmness: New Insights from Comparative Proteomics. Applied Biochemistry and Biotechnology, 2012, 168, 306-326.	1.4	26
21	Towards a tailored indoor horticulture: a functional genomics guided phenotypic approach. Horticulture Research, 2018, 5, 68.	2.9	26
22	The increasing diversity and complexity of the RNA-binding protein repertoire in plants. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201397.	1.2	23
23	Plant natriuretic peptides induce proteins diagnostic for an adaptive response to stress. Frontiers in Plant Science, 2014, 5, 661.	1.7	22
24	Exploring the Arabidopsis Proteome: Influence of Protein Solubilization Buffers on Proteome Coverage. International Journal of Molecular Sciences, 2015, 16, 857-870.	1.8	19
25	Intramolecular crosstalk between catalytic activities of receptor kinases. Plant Signaling and Behavior, 2018, 13, e1430544.	1.2	19
26	Comparative Gel-Based Phosphoproteomics in Response to Signaling Molecules. Methods in Molecular Biology, 2013, 1016, 139-154.	0.4	11
27	A Microsomal Proteomics View of H2O2- and ABA-Dependent Responses. Proteomes, 2017, 5, 22.	1.7	10
28	Insights into fruit function from the proteome of the hypanthium. Journal of Plant Physiology, 2012, 169, 12-19.	1.6	8
29	Identification and Quantitation of Signal Molecule-Dependent Protein Phosphorylation. Methods in Molecular Biology, 2013, 1016, 121-137.	0.4	8
30	Proteome changes and physiological adaptations of the phytopathogen Xanthomonas citri subsp. citri under salt stress and their implications for virulence. FEMS Microbiology Ecology, 2019, 95, .	1.3	7
31	Functional Roles of RNA-Binding Proteins in Plant Signaling. Life, 2020, 10, 288.	1.1	6
32	Quantitative proteome changes in Arabidopsis thaliana suspension-cultured cells in response to plant natriuretic peptides. Data in Brief, 2015, 4, 336-343.	0.5	5
33	Date Fruit Proteomics During Development and Ripening Stages. Methods in Molecular Biology, 2017, 1638, 381-398.	0.4	4
34	Citrullination of Proteins as a Specific Response Mechanism in Plants. Frontiers in Plant Science, 2021, 12, 638392.	1.7	3
35	(De)Activation (Ir)Reversibly or Degradation: Dynamics of Post-Translational Protein Modifications in Plants. Life, 2022, 12, 324.	1.1	3