Simon Stael

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1591453/publications.pdf

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34 papers	2,110 citations	331670 21 h-index	377865 34 g-index
36 all docs	36 docs citations	36 times ranked	2971 citing authors

#	Article	IF	Citations
1	Chemical Perturbation of Chloroplast Ca2+ Dynamics in Arabidopsis thaliana Suspension Cell Cultures and Seedlings. Methods in Molecular Biology, 2022, 2494, 149-158.	0.9	1
2	Detection of Damage-Activated Metacaspase Activity by Western Blot in Plants. Methods in Molecular Biology, 2022, 2447, 127-137.	0.9	33
3	Chloroplast Isolation and Enrichment of Low-Abundance Proteins by Affinity Chromatography for Identification in Complex Proteomes. Methods in Molecular Biology, 2021, 2261, 535-547.	0.9	2
4	Pars Pro Toto: Every Single Cell Matters. Frontiers in Plant Science, 2021, 12, 656825.	3.6	8
5	The for Novel Inhibitors of Auxin-Induced Ca2+ Signaling. Methods in Molecular Biology, 2021, 2213, 89-98.	0.9	1
6	Breaking Bad News: Dynamic Molecular Mechanisms of Wound Response in Plants. Frontiers in Plant Science, 2020, 11, 610445.	3.6	55
7	Classification and Nomenclature of Metacaspases and Paracaspases: No More Confusion with Caspases. Molecular Cell, 2020, 77, 927-929.	9.7	71
8	Proteolytic Proteoforms: Elusive Components of Hormonal Pathways?. Trends in Plant Science, 2020, 25, 325-328.	8.8	5
9	Diverse biological effects of glycosyltransferase genes from Tartary buckwheat. BMC Plant Biology, 2019, 19, 339.	3.6	24
10	Chloroplast calcium signalling quenches a thirst. Nature Plants, 2019, 5, 559-560.	9.3	10
11	Plant proteases and programmed cell death. Journal of Experimental Botany, 2019, 70, 1991-1995.	4.8	20
12	Damage on plants activates Ca ²⁺ -dependent metacaspases for release of immunomodulatory peptides. Science, 2019, 363, .	12.6	170
13	Extracellular peptide Kratos restricts cell death during vascular development and stress in Arabidopsis. Journal of Experimental Botany, 2019, 70, 2199-2210.	4.8	11
14	Caught green-handed: methods for in vivo detection and visualization of protease activity. Journal of Experimental Botany, 2019, 70, 2125-2141.	4.8	7
15	The function of two type II metacaspases in woody tissues of Populus trees. New Phytologist, 2018, 217, 1551-1565.	7.3	30
16	N-terminal Proteomics Assisted Profiling of the Unexplored Translation Initiation Landscape in Arabidopsis thaliana. Molecular and Cellular Proteomics, 2017, 16, 1064-1080.	3.8	54
17	The ROS Wheel: Refining ROS Transcriptional Footprints. Plant Physiology, 2016, 171, 1720-1733.	4.8	137
18	Plant innate immunity â€“ sunny side up?. Trends in Plant Science, 2015, 20, 3-11.	8.8	193

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19	<scp>GRIM REAPER</scp> peptide binds to receptor kinase <scp>PRK</scp> 5 to trigger cell death in Arabidopsis. EMBO Journal, 2015, 34, 55-66.	7.8	83
20	Chloroplast Isolation and Affinity Chromatography for Enrichment of Low-Abundant Proteins in Complex Proteomes. Methods in Molecular Biology, 2015, 1295, 211-223.	0.9	10
21	Phosphorylation of Arabidopsis transketolase at Ser428 provides a potential paradigm for the metabolic control of chloroplast carbon metabolism. Biochemical Journal, 2014, 458, 313-322.	3.7	44
22	Higher Plant Proteins of Cyanobacterial Origin: Are They or Are They Not Preferentially Targeted to Chloroplasts?. Molecular Plant, 2014, 7, 1797-1800.	8.3	10
23	Plant Metacaspase Activation and Activity. Methods in Molecular Biology, 2014, 1133, 237-253.	0.9	7
24	Preparation of Arabidopsis thaliana Seedling Proteomes for Identifying Metacaspase Substrates by N-terminal COFRADIC. Methods in Molecular Biology, 2014, 1133, 255-261.	0.9	8
25	The Arabidopsis METACASPASE9 Degradome Â. Plant Cell, 2013, 25, 2831-2847.	6.6	109
26	Post mortem function of <scp>A</scp>t<scp>MC</scp>9 in xylem vessel elements. New Phytologist, 2013, 200, 498-510.	7.3	117
27	Cross-talk between calcium signalling and protein phosphorylation at the thylakoid. Journal of Experimental Botany, 2012, 63, 1725-1733.	4.8	46
28	Plant organellar calcium signalling: an emerging field. Journal of Experimental Botany, 2012, 63, 1525-1542.	4.8	296
29	Chloroplast-localized protein kinases: a step forward towards a complete inventory. Journal of Experimental Botany, 2012, 63, 1713-1723.	4.8	60
30	Protein N-acylation overrides differing targeting signals. FEBS Letters, 2011, 585, 517-522.	2.8	43
31	Arabidopsis calcium-binding mitochondrial carrier proteins as potential facilitators of mitochondrial ATP-import and plastid SAM-import. FEBS Letters, 2011, 585, 3935-3940.	2.8	53
32	Mining the soluble chloroplast proteome by affinity chromatography. Proteomics, 2011, 11, 1287-1299.	2.2	43
33	The Ca2+-dependent protein kinase CPK3 is required for MAPK-independent salt-stress acclimation in Arabidopsis. Plant Journal, 2010, 63, 484-498.	5.7	203
34	Light regulation of CaS, a novel phosphoprotein in the thylakoid membrane of Arabidopsisâ€ƒthaliana. FEBS Journal, 2008, 275, 1767-1777.	4.7	134