

Simon Stael

List of Publications by Year in descending order

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Version: 2024-02-01

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	Plant organellar calcium signalling: an emerging field. <i>Journal of Experimental Botany</i> , 2012, 63, 1525-1542.	4.8	296
2	The Ca ²⁺ -dependent protein kinase CPK3 is required for MAPK-independent salt-stress acclimation in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2010, 63, 484-498.	5.7	203
3	Plant innate immunity â€“ sunny side up?. <i>Trends in Plant Science</i> , 2015, 20, 3-11.	8.8	193
4	Damage on plants activates Ca ²⁺ -dependent metacaspases for release of immunomodulatory peptides. <i>Science</i> , 2019, 363, .	12.6	170
5	The ROS Wheel: Refining ROS Transcriptional Footprints. <i>Plant Physiology</i> , 2016, 171, 1720-1733.	4.8	137
6	Light regulation of CaS, a novel phosphoprotein in the thylakoid membrane of <i>Arabidopsis thaliana</i> . <i>FEBS Journal</i> , 2008, 275, 1767-1777.	4.7	134
7	Post mortem function of A _t MC ₉ in xylem vessel elements. <i>New Phytologist</i> , 2013, 200, 498-510.	7.3	117
8	The <i>Arabidopsis</i> METACASPASE9 Degradome. <i>Plant Cell</i> , 2013, 25, 2831-2847.	6.6	109
9	GRIM REAPER peptide binds to receptor kinase PRK ₅ to trigger cell death in <i>Arabidopsis</i> . <i>EMBO Journal</i> , 2015, 34, 55-66.	7.8	83
10	Classification and Nomenclature of Metacaspases and Paracaspases: No More Confusion with Caspases. <i>Molecular Cell</i> , 2020, 77, 927-929.	9.7	71
11	Chloroplast-localized protein kinases: a step forward towards a complete inventory. <i>Journal of Experimental Botany</i> , 2012, 63, 1713-1723.	4.8	60
12	Breaking Bad News: Dynamic Molecular Mechanisms of Wound Response in Plants. <i>Frontiers in Plant Science</i> , 2020, 11, 610445.	3.6	55
13	N-terminal Proteomics Assisted Profiling of the Unexplored Translation Initiation Landscape in <i>Arabidopsis thaliana</i> . <i>Molecular and Cellular Proteomics</i> , 2017, 16, 1064-1080.	3.8	54
14	<i>Arabidopsis</i> calcium-binding mitochondrial carrier proteins as potential facilitators of mitochondrial ATP-import and plastid SAM-import. <i>FEBS Letters</i> , 2011, 585, 3935-3940.	2.8	53
15	Cross-talk between calcium signalling and protein phosphorylation at the thylakoid. <i>Journal of Experimental Botany</i> , 2012, 63, 1725-1733.	4.8	46
16	Phosphorylation of <i>Arabidopsis</i> transketolase at Ser428 provides a potential paradigm for the metabolic control of chloroplast carbon metabolism. <i>Biochemical Journal</i> , 2014, 458, 313-322.	3.7	44
17	Protein N-acylation overrides differing targeting signals. <i>FEBS Letters</i> , 2011, 585, 517-522.	2.8	43
18	Mining the soluble chloroplast proteome by affinity chromatography. <i>Proteomics</i> , 2011, 11, 1287-1299.	2.2	43

#	ARTICLE	IF	CITATIONS
19	Detection of Damage-Activated Metacaspase Activity by Western Blot in Plants. <i>Methods in Molecular Biology</i> , 2022, 2447, 127-137.	0.9	33
20	The function of two type II metacaspases in woody tissues of <i>Populus</i> trees. <i>New Phytologist</i> , 2018, 217, 1551-1565.	7.3	30
21	Diverse biological effects of glycosyltransferase genes from Tartary buckwheat. <i>BMC Plant Biology</i> , 2019, 19, 339.	3.6	24
22	Plant proteases and programmed cell death. <i>Journal of Experimental Botany</i> , 2019, 70, 1991-1995.	4.8	20
23	Extracellular peptide Kratos restricts cell death during vascular development and stress in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2019, 70, 2199-2210.	4.8	11
24	Higher Plant Proteins of Cyanobacterial Origin: Are They or Are They Not Preferentially Targeted to Chloroplasts?. <i>Molecular Plant</i> , 2014, 7, 1797-1800.	8.3	10
25	Chloroplast calcium signalling quenches a thirst. <i>Nature Plants</i> , 2019, 5, 559-560.	9.3	10
26	Chloroplast Isolation and Affinity Chromatography for Enrichment of Low-Abundant Proteins in Complex Proteomes. <i>Methods in Molecular Biology</i> , 2015, 1295, 211-223.	0.9	10
27	Pars Pro Toto: Every Single Cell Matters. <i>Frontiers in Plant Science</i> , 2021, 12, 656825.	3.6	8
28	Preparation of <i>Arabidopsis thaliana</i> Seedling Proteomes for Identifying Metacaspase Substrates by N-terminal COFRADIC. <i>Methods in Molecular Biology</i> , 2014, 1133, 255-261.	0.9	8
29	Caught green-handed: methods for in vivo detection and visualization of protease activity. <i>Journal of Experimental Botany</i> , 2019, 70, 2125-2141.	4.8	7
30	Plant Metacaspase Activation and Activity. <i>Methods in Molecular Biology</i> , 2014, 1133, 237-253.	0.9	7
31	Proteolytic Proteoforms: Elusive Components of Hormonal Pathways?. <i>Trends in Plant Science</i> , 2020, 25, 325-328.	8.8	5
32	Chloroplast Isolation and Enrichment of Low-Abundance Proteins by Affinity Chromatography for Identification in Complex Proteomes. <i>Methods in Molecular Biology</i> , 2021, 2261, 535-547.	0.9	2
33	The for Novel Inhibitors of Auxin-Induced Ca ²⁺ Signaling. <i>Methods in Molecular Biology</i> , 2021, 2213, 89-98.	0.9	1
34	Chemical Perturbation of Chloroplast Ca ²⁺ Dynamics in <i>Arabidopsis thaliana</i> Suspension Cell Cultures and Seedlings. <i>Methods in Molecular Biology</i> , 2022, 2494, 149-158.	0.9	1