Johannes W Stratmann

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5111885/publications.pdf

Version: 2024-02-01

29 papers	2,200 citations	331670 21 h-index	501196 28 g-index
30 all docs	30 docs citations	30 times ranked	2607 citing authors

#	Article	IF	Citations
1	Production of multiple plant hormones from a single polyprotein precursor. Nature, 2001, 411, 817-820.	27.8	253
2	Plant Respiratory Burst Oxidase Homologs Impinge on Wound Responsiveness and Development in Lycopersicon esculentum Â[W]. Plant Cell, 2004, 16, 616-628.	6.6	248
3	Tomato MAPKs LeMPK1, LeMPK2, and LeMPK3 function in the systemin-mediated defense response against herbivorous insects. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12205-12210.	7.1	248
4	Growth and Thallus Morphogenesis of Ulva mutabilis (Chlorophyta) Depends on A Combination of Two Bacterial Species Excreting Regulatory Factors. Journal of Phycology, 2012, 48, 1433-1447.	2.3	180
5	Convergence of Signaling Pathways Induced by Systemin, Oligosaccharide Elicitors, and Ultraviolet-B Radiation at the Level of Mitogen-Activated Protein Kinases in Lycopersicon peruvianum Suspension-Cultured Cells. Plant Physiology, 2003, 132, 1728-1738.	4.8	173
6	Long distance run in the wound response â€“ jasmonic acid is pulling ahead. Trends in Plant Science, 2003, 8, 247-250.	8.8	135
7	Ultraviolet-B radiation co-opts defense signaling pathways. Trends in Plant Science, 2003, 8, 526-533.	8.8	125
8	Tomato Mitogen-Activated Protein Kinases LeMPK1, LeMPK2, and LeMPK3 Are Activated during the Cf-4/Avr4-Induced Hypersensitive Response and Have Distinct Phosphorylation Specificities. Plant Physiology, 2007, 144, 1481-1494.	4.8	106
9	DIFFERENTIATION OF ULVA MUTABILIS (CHLOROPHYTA) GAMETANGIA AND GAMETE RELEASE ARE CONTROLLED BY EXTRACELLULAR INHIBITORS1. Journal of Phycology, 1996, 32, 1009-1021.	2.3	104
10	Systemin and jasmonic acid regulate constitutive and herbivore-induced systemic volatile emissions in tomato, Solanum lycopersicum. Phytochemistry, 2010, 71, 2024-2037.	2.9	90
11	The tomato brassinosteroid receptor BRI1 increases binding of systemin to tobacco plasma membranes, but is not involved in systemin signaling. Plant Molecular Biology, 2009, 70, 603-616.	3.9	58
12	RNA-Seq Links the Transcription Factors AINTEGUMENTA and AINTEGUMENTA-LIKE6 to Cell Wall Remodeling and Plant Defense Pathways. Plant Physiology, 2016, 171, 2069-2084.	4.8	57
13	Symposium-in-Print UVB/UVA Radiation Activates a 48 kDa Myelin Basic Protein Kinase and Potentiates Wound Signaling in Tomato Leaves. Photochemistry and Photobiology, 2000, 71, 116.	2.5	53
14	The COP9 signalosome controls jasmonic acid synthesis and plant responses to herbivory and pathogens. Plant Journal, 2011, 65, 480-491.	5.7	52
15	Methanol and ethanol modulate responses to danger- and microbe-associated molecular patterns. Frontiers in Plant Science, 2014, 5, 550.	3.6	40
16	Ultraviolet-B Activates Components of the Systemin Signaling Pathway in Lycopersicon peruvianum Suspension-cultured Cells. Journal of Biological Chemistry, 2002, 277, 28424-28430.	3.4	36
17	Many jobs for one good cop â€“ The COP9 signalosome guards development and defense. Plant Science, 2012, 185-186, 50-64.	3.6	36
18	Changes in extracellular pH are neither required nor sufficient for activation of mitogen-activated protein kinases (MAPKs) in response to systemin and fusicoccin in tomato. Planta, 2007, 225, 1535-1546.	3.2	33

#	Article	IF	Citations
19	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
20	Micro-Electrode Flux Estimation Confirms That the Solanum pimpinellifolium cu3 Mutant Still Responds to Systemin. Plant Physiology, 2008, 146, 129-139.	4.8	25
21	Tissue-type specific systemin perception and the elusive systemin receptor. Plant Signaling and Behavior, 2010, 5, 42-44.	2.4	23
22	UVB/UVA Radiation Activates a 48 kDa Myelin Basic Protein Kinase and Potentiates Wound Signaling in Tomato Leaves. Photochemistry and Photobiology, 2000, 71, 116-123.	2.5	20
23	Wounding systemically activates a mitogen-activated protein kinase in forage and turf grasses. Plant Science, 2011, 180, 686-693.	3.6	19
24	Gene silencing goes viral and uncovers the private life of plants. Entomologia Experimentalis Et Applicata, 2011, 140, 91-102.	1.4	16
25	Hairless but no longer clueless: understanding glandular trichome development. Journal of Experimental Botany, 2016, 67, 5285-5287.	4.8	15
26	MAP kinases associate with high molecular weight multiprotein complexes. Journal of Experimental Botany, 2018, 69, 643-654.	4.8	8
27	Systemic Wound Signaling in Plants. Signaling and Communication in Plants, 2013, , 323-362.	0.7	6
28	Survey of Sensitivity to Fatty Acid-Amino Acid Conjugates in the Solanaceae. Journal of Chemical Ecology, 2020, 46, 330-343.	1.8	5
29	MAP Kinases in Plant Responses to Herbivory. , 2008, , 329-347.		3