Annick Stintzi

List of Publications by Year
in descending order

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33	4,060	279487	433756
papers	citations	23 h-index	31 g-index

38	38	38	4374
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Arabidopsis male-sterile mutant, opr3, lacks the 12-oxophytodienoic acid reductase required for jasmonate synthesis. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 10625-10630.	3.3	715
2	Plant â€˜pathogenesis-relatedâ€™ proteins and their role in defense against pathogens. Biochimie, 1993, 75, 687-706.	1.3	623
3	Plant defense in the absence of jasmonic acid: The role of cyclopentenones. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 12837-12842.	3.3	617
4	Enzymes in jasmonate biosynthesis â€“ Structure, function, regulation. Phytochemistry, 2009, 70, 1532-1538.	1.4	341
5	An OPR3-independent pathway uses 4,5-didehydrojasmonate for jasmonate synthesis. Nature Chemical Biology, 2018, 14, 171-178.	3.9	183
6	Biosynthesis and Metabolism of Jasmonates. Journal of Plant Growth Regulation, 2004, 23, 179-199.	2.8	177
7	Inferring Hypotheses on Functional Relationships of Genes: Analysis of the Arabidopsis thaliana Subtilase Gene Family. PLoS Computational Biology, 2005, 1, e40.	1.5	157
8	Jasmonic Acid and Its Precursor 12-Oxophytodienoic Acid Control Different Aspects of Constitutive and Induced Herbivore Defenses in Tomato. Plant Physiology, 2014, 166, 396-410.	2.3	125
9	Precursor processing for plant peptide hormone maturation by subtilisin-like serine proteinases. Science, 2016, 354, 1594-1597.	6.0	118
10	From structure to function â€“ a family portrait of plant subtilases. New Phytologist, 2018, 218, 901-915.	3.5	108
11	Peptide signaling for drought-induced tomato flower drop. Science, 2020, 367, 1482-1485.	6.0	105
12	Subtilases â€“ versatile tools for protein turnover, plant development, and interactions with the environment. Physiologia Plantarum, 2012, 145, 52-66.	2.6	94
13	A two-way molecular dialogue between embryo and endosperm is required for seed development. Science, 2020, 367, 431-435.	6.0	92
14	Phytaspaseâ€mediated precursor processing and maturation of the wound hormone systemin. New Phytologist, 2018, 218, 1167-1178.	3.5	82
15	Arabidopsis PECTIN METHYLESTERASE17 is co-expressed with and processed by SBT3.5, a subtilisin-like serine protease. Annals of Botany, 2014, 114, 1161-1175.	1.4	79
16	The Protease-associated Domain and C-terminal Extension Are Required for Zymogen Processing, Sorting within the Secretory Pathway, and Activity of Tomato Subtilase 3 (SlSBT3). Journal of Biological Chemistry, 2009, 284, 14068-14078.	1.6	65
17	Identification of a basic pathogenesis-related, thaumatin-like protein of virus-infected tobacco as osmotin. Physiological and Molecular Plant Pathology, 1991, 38, 137-146.	1.3	57
18	Jasmonate-dependent induction of polyphenol oxidase activity in tomato foliage is important for defense against Spodoptera exigua but not against Manduca sexta. BMC Plant Biology, 2014, 14, 257.	1.6	50

#	Article	IF	Citations
19	The tomato subtilase family includes several cell death-related proteinases with caspase specificity. Scientific Reports, 2018, 8, 10531.	1.6	49
20	Structural Basis of Substrate Specificity of Plant 12-Oxophytodienoate Reductases. Journal of Molecular Biology, 2009, 392, 1266-1277.	2.0	46
21	The subtilisin-like protease SBT3 contributes to insect resistance in tomato. Journal of Experimental Botany, 2016, 67, 4325-4338.	2.4	35
22	Cell death control by matrix metalloproteinases in tomato. Plant Physiology, 2016, 171, pp.00513.2016.	2.3	26
23	The Systemin Signaling Cascade As Derived from Time Course Analyses of the Systemin-responsive Phosphoproteome*. Molecular and Cellular Proteomics, 2019, 18, 1526-1542.	2.5	26
24	Jasmonate Biosynthesis and Signaling for Induced Plant Defense against Herbivory. , 2008, , 349-366.		19
25	A novel subtilase inhibitor in plants shows structural and functional similarities to protease propeptides. Journal of Biological Chemistry, 2017, 292, 6389-6401.	1.6	18
26	A peptide-mediated, multilateral molecular dialogue for the coordination of pollen wall formation. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	14
27	Processing of a plant peptide hormone precursor facilitated by posttranslational tyrosine sulfation. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2201195119.	3.3	12
28	A Toolbox for the Analysis of Peptide Signal Biogenesis. Molecular Plant, 2017, 10, 1023-1025.	3.9	9
29	Post-translational maturation of IDA, a peptide signal controlling floral organ abscission in Arabidopsis. Communicative and Integrative Biology, 2018, 11, e1395119.	0.6	9
30	Plant Genes Involved in Resistance to Viruses. , 1991, , 153-166.		1
31	Identification of Cognate Protease/Substrate Pairs by Use of Class-Specific Inhibitors. Methods in Molecular Biology, 2022, 2447, 67-81.	0.4	1
32	Biological Activity of PR-Proteins from Tobacco; Characterization of a Proteinase Inhibitor. Current Plant Science and Biotechnology in Agriculture, 1991, , 399-402.	0.0	0
33	Peptide Backbone Modifications for the Assessment of Cleavage Site Relevance in Precursors of Signaling Peptides. Methods in Molecular Biology, 2022, 2447, 83-93.	0.4	0