

Annick Stintzi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33
papers

3,162
citations

21
h-index

38
g-index

38
ext. papers

3,691
ext. citations

9.1
avg, IF

5.1
L-index

#	Paper	IF	Citations
33	Processing of a plant peptide hormone precursor facilitated by posttranslational tyrosine sulfation.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2201195119	11.5	0
32	Identification of Cognate Protease/Substrate Pairs by Use of Class-Specific Inhibitors.. <i>Methods in Molecular Biology</i> , 2022 , 2447, 67-81	1.4	1
31	Peptide Backbone Modifications for the Assessment of Cleavage Site Relevance in Precursors of Signaling Peptides.. <i>Methods in Molecular Biology</i> , 2022 , 2447, 83-93	1.4	
30	Peptide signaling for drought-induced tomato flower drop. <i>Science</i> , 2020 , 367, 1482-1485	33.3	38
29	A two-way molecular dialogue between embryo and endosperm is required for seed development. <i>Science</i> , 2020 , 367, 431-435	33.3	47
28	The Systemin Signaling Cascade As Derived from Time Course Analyses of the Systemin-responsive Phosphoproteome. <i>Molecular and Cellular Proteomics</i> , 2019 , 18, 1526-1542	7.6	16
27	Post-translational maturation of IDA, a peptide signal controlling floral organ abscission in Arabidopsis. <i>Communicative and Integrative Biology</i> , 2018 , 11, e1395119	1.7	5
26	An OPR3-independent pathway uses 4,5-didehydrojasmonate for jasmonate synthesis. <i>Nature Chemical Biology</i> , 2018 , 14, 171-178	11.7	106
25	Phytaspase-mediated precursor processing and maturation of the wound hormone systemin. <i>New Phytologist</i> , 2018 , 218, 1167-1178	9.8	48
24	From structure to function - a family portrait of plant subtilases. <i>New Phytologist</i> , 2018 , 218, 901-915	9.8	52
23	The tomato subtilase family includes several cell death-related proteinases with caspase specificity. <i>Scientific Reports</i> , 2018 , 8, 10531	4.9	31
22	A novel subtilase inhibitor in plants shows structural and functional similarities to protease propeptides. <i>Journal of Biological Chemistry</i> , 2017 , 292, 6389-6401	5.4	11
21	A Toolbox for the Analysis of Peptide Signal Biogenesis. <i>Molecular Plant</i> , 2017 , 10, 1023-1025	14.4	7
20	The subtilisin-like protease SBT3 contributes to insect resistance in tomato. <i>Journal of Experimental Botany</i> , 2016 , 67, 4325-38	7	22
19	Precursor processing for plant peptide hormone maturation by subtilisin-like serine proteinases. <i>Science</i> , 2016 , 354, 1594-1597	33.3	86
18	Cell Death Control by Matrix Metalloproteinases. <i>Plant Physiology</i> , 2016 , 171, 1456-69	6.6	21
17	Arabidopsis PECTIN METHYLESTERASE17 is co-expressed with and processed by SBT3.5, a subtilisin-like serine protease. <i>Annals of Botany</i> , 2014 , 114, 1161-75	4.1	50

16	Jasmonate-dependent induction of polyphenol oxidase activity in tomato foliage is important for defense against <i>Spodoptera exigua</i> but not against <i>Manduca sexta</i> . <i>BMC Plant Biology</i> , 2014 , 14, 257	5.3	42
15	Jasmonic acid and its precursor 12-oxophytodienoic acid control different aspects of constitutive and induced herbivore defenses in tomato. <i>Plant Physiology</i> , 2014 , 166, 396-410	6.6	89
14	Subtilases - versatile tools for protein turnover, plant development, and interactions with the environment. <i>Physiologia Plantarum</i> , 2012 , 145, 52-66	4.6	68
13	The protease-associated domain and C-terminal extension are required for zymogen processing, sorting within the secretory pathway, and activity of tomato subtilase 3 (SISBT3). <i>Journal of Biological Chemistry</i> , 2009 , 284, 14068-78	5.4	52
12	Enzymes in jasmonate biosynthesis - structure, function, regulation. <i>Phytochemistry</i> , 2009 , 70, 1532-8	4	286
11	Structural basis of substrate specificity of plant 12-oxophytodienoate reductases. <i>Journal of Molecular Biology</i> , 2009 , 392, 1266-77	6.5	41
10	Jasmonate Biosynthesis and Signaling for Induced Plant Defense against Herbivory 2008 , 349-366		15
9	Inferring hypotheses on functional relationships of genes: Analysis of the <i>Arabidopsis thaliana</i> subtilase gene family. <i>PLoS Computational Biology</i> , 2005 , 1, e40	5	122
8	Biosynthesis and Metabolism of Jasmonates. <i>Journal of Plant Growth Regulation</i> , 2004 , 23, 179-199	4.7	161
7	Plant defense in the absence of jasmonic acid: the role of cyclopentenones. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 12837-42	11.5	527
6	The <i>Arabidopsis</i> male-sterile mutant, <i>opr3</i> , lacks the 12-oxophytodienoic acid reductase required for jasmonate synthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 10625-30	11.5	621
5	Plant pathogenesis-related proteins and their role in defense against pathogens. <i>Biochimie</i> , 1993 , 75, 687-706	4.6	544
4	cDNA Cloning and Expression Studies of Tobacco Class III Chitinase-Lysozymes. <i>Developments in Plant Pathology</i> , 1993 , 312-315		5
3	Identification of a basic pathogenesis-related, thaumatin-like protein of virus-infected tobacco as osmotin. <i>Physiological and Molecular Plant Pathology</i> , 1991 , 38, 137-146	2.6	46
2	Biological Activity of PR-Proteins from Tobacco; Characterization of a Proteinase Inhibitor. <i>Current Plant Science and Biotechnology in Agriculture</i> , 1991 , 399-402		
1	Plant Genes Involved in Resistance to Viruses 1991 , 153-166		1