Andrea A Gust

List of Publications by Year
in descending order

34 papers	8,348 citations	279798 23 h-index	377865 34 g-index
40 all docs	40 docs citations	40 times ranked	17271 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	<i>Arabidopsis</i> lysin-motif proteins LYM1 LYM3 CERK1 mediate bacterial peptidoglycan sensing and immunity to bacterial infection. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19824-19829.	7.1	442
3	An RLP23â€“SOBIR1â€“BAK1 complex mediates NLP-triggered immunity. Nature Plants, 2015, 1, 15140.	9.3	373
4	Phytotoxicity and Innate Immune Responses Induced by Nep1-Like Proteins. Plant Cell, 2007, 18, 3721-3744.	6.6	314
5	Sensing Danger: Key to Activating Plant Immunity. Trends in Plant Science, 2017, 22, 779-791.	8.8	300
6	Bacteria-derived Peptidoglycans Constitute Pathogen-associated Molecular Patterns Triggering Innate Immunity in Arabidopsis. Journal of Biological Chemistry, 2007, 282, 32338-32348.	3.4	270
7	<i>Arabidopsis</i>RECEPTOR-LIKE PROTEIN30 and Receptor-Like Kinase SUPPRESSOR OF BIR1-1/EVERSHED Mediate Innate Immunity to Necrotrophic Fungi Â. Plant Cell, 2013, 25, 4227-4241.	6.6	265
8	The EDS1â€“PAD4â€“ADR1 node mediates Arabidopsis pattern-triggered immunity. Nature, 2021, 598, 495-499.	27.8	223
9	Autophagy differentially controls plant basal immunity to biotrophic and necrotrophic pathogens. Plant Journal, 2011, 66, 818-830.	5.7	190
10	Plant LysM proteins: modules mediating symbiosis and immunity. Trends in Plant Science, 2012, 17, 495-502.	8.8	189
11	The Arabidopsis Mitogen-Activated Protein Kinase Phosphatase PP2C5 Affects Seed Germination, Stomatal Aperture, and Abscisic Acid-Inducible Gene Expression Â Â. Plant Physiology, 2010, 153, 1098-1111.	4.8	172
12	Receptor like proteins associate with SOBIR1-type of adaptors to form bimolecular receptor kinases. Current Opinion in Plant Biology, 2014, 21, 104-111.	7.1	128
13	Biotechnological concepts for improving plant innate immunity. Current Opinion in Biotechnology, 2010, 21, 204-210.	6.6	93
14	The fungal ligand chitin directly binds <scp>TLR</scp> 2 and triggers inflammation dependent on oligomer size. EMBO Reports, 2018, 19, .	4.5	75
15	MAPK-triggered chromatin reprogramming by histone deacetylase in plant innate immunity. Genome Biology, 2017, 18, 131.	8.8	73
16	Comparing Arabidopsis receptor kinase and receptor proteinâ€mediated immune signaling reveals BIK1â€dependent differences. New Phytologist, 2019, 221, 2080-2095.	7.3	73
17	Host-induced bacterial cell wall decomposition mediates pattern-triggered immunity in Arabidopsis. ELife, 2014, 3, .	6.0	61
18	Plant immunity unified. Nature Plants, 2021, 7, 382-383.	9.3	49

#	Article	IF	Citations
19	A set of Arabidopsis genes involved in the accommodation of the downy mildew pathogen Hyaloperonospora arabidopsidis. PLoS Pathogens, 2019, 15, e1007747.	4.7	37
20	Peptidoglycan Perception in Plants. PLoS Pathogens, 2015, 11, e1005275.	4.7	35
21	Peptidoglycan perceptionâ€"Sensing bacteria by their common envelope structure. International Journal of Medical Microbiology, 2015, 305, 217-223.	3.6	33
22	Autophagy controls plant basal immunity in a pathogenic lifestyle-dependent manner. Autophagy, 2011, 7, 773-774.	9.1	31
23	<scp>WRINKLED</scp>1 and <scp>ACYLâ€COA:DIACYLGLYCEROL ACYLTRANSFERASE</scp>1 regulate tocochromanol metabolism in Arabidopsis. New Phytologist, 2018, 217, 245-260.	7.3	26
24	Chromatin phosphoproteomics unravels a function for AT-hook motif nuclear localized protein AHL13 in PAMP-triggered immunity. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	25
25	<i>ATG7</i>contributes to plant basal immunity towards fungal infection. Plant Signaling and Behavior, 2011, 6, 1040-1042.	2.4	22
26	The <i>Arabidopsis thaliana</i> LysMâ€containing Receptorâ€Like Kinase 2 is required for elicitorâ€induced resistance to pathogens. Plant, Cell and Environment, 2021, 44, 3775-3792.	5.7	22
27	Genotyping-by-sequencing-based identification of Arabidopsis pattern recognition receptor RLP32 recognizing proteobacterial translation initiation factor IF1. Nature Communications, 2022, 13, 1294.	12.8	20
28	The BIR2/BIR3-Associated Phospholipase DÎ³1 Negatively Regulates Plant Immunity. Plant Physiology, 2020, 183, 371-384.	4.8	14
29	ABA-Dependent Salt Stress Tolerance Attenuates Botrytis Immunity in Arabidopsis. Frontiers in Plant Science, 2020, 11, 594827.	3.6	11
30	Analysis of MAPK Activities Using MAPK-Specific Antibodies. Methods in Molecular Biology, 2014, 1171, 27-37.	0.9	9
31	Isolation of Novel MAMPâ€like Activities and Identification of Cognate Pattern Recognition Receptors in Arabidopsis thaliana Using Nextâ€Generation Sequencing (NGS)â€"Based Mapping. Current Protocols in Plant Biology, 2017, 2, 173-189.	2.8	8
32	Interplay of plant glycan hydrolases and LysM proteins in plantâ€"Bacteria interactions. International Journal of Medical Microbiology, 2019, 309, 252-257.	3.6	7
33	Peptidoglycan Isolation and Binding Studies with LysM-Type Pattern Recognition Receptors. Methods in Molecular Biology, 2017, 1578, 1-12.	0.9	4
34	A plant surface receptor for sensing insect herbivory. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32839-32841.	7.1	4