Alexandra Jones

List of Publications by Year
in descending order

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88 papers	11,286 citations	47006 47 h-index	45317 90 g-index
102 all docs	102 docs citations	102 times ranked	11783 citing authors

#	Article	IF	Citations
1	Genome sequence and analysis of the Irish potato famine pathogen Phytophthora infestans. Nature, 2009, 461, 393-398.	27.8	1,405
2	The receptor-like kinase SERK3/BAK1 is a central regulator of innate immunity in plants. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12217-12222.	7.1	998
3	Direct Regulation of the NADPH Oxidase RBOHD by the PRR-Associated Kinase BIK1 during Plant Immunity. Molecular Cell, 2014, 54, 43-55.	9.7	744
4	The Arabidopsis Leucine-Rich Repeat Receptorâ€"Like Kinases BAK1/SERK3 and BKK1/SERK4 Are Required for Innate Immunity to Hemibiotrophic and Biotrophic Pathogens. Plant Cell, 2011, 23, 2440-2455.	6.6	578
5	Quantitative phosphoproteomic analysis of plasma membrane proteins reveals regulatory mechanisms of plant innate immune responses. Plant Journal, 2007, 51, 931-940.	5.7	466
6	Phosphorylation-Dependent Differential Regulation of Plant Growth, Cell Death, and Innate Immunity by the Regulatory Receptor-Like Kinase BAK1. PLoS Genetics, 2011, 7, e1002046.	3.5	439
7	A PHD-Polycomb Repressive Complex 2 triggers the epigenetic silencing of FLC during vernalization. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 16831-16836.	7.1	438
8	The Lysin Motif Receptor-like Kinase (LysM-RLK) CERK1 Is a Major Chitin-binding Protein in Arabidopsis thaliana and Subject to Chitin-induced Phosphorylation. Journal of Biological Chemistry, 2010, 285, 28902-28911.	3.4	392
9	PhosPhAt: the Arabidopsis thaliana phosphorylation site database. An update. Nucleic Acids Research, 2010, 38, D828-D834.	14.5	346
10	S-Nitrosylation of Peroxiredoxin II E Promotes Peroxynitrite-Mediated Tyrosine Nitration. Plant Cell, 2008, 19, 4120-4130.	6.6	320
11	Phytophthora infestans effector AVRblb2 prevents secretion of a plant immune protease at the haustorial interface. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 20832-20837.	7.1	285
12	Receptor-like kinase SOBIR1/EVR interacts with receptor-like proteins in plant immunity against fungal infection. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10010-10015.	7.1	272
13	Effector Specialization in a Lineage of the Irish Potato Famine Pathogen. Science, 2014, 343, 552-555.	12.6	179
14	Defective RNA processing enhances RNA silencing and influences flowering of Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 14994-15001.	7.1	172
15	Multidimensional Protein Identification Technology (MudPIT) Analysis of Ubiquitinated Proteins in Plants. Molecular and Cellular Proteomics, 2007, 6, 601-610.	3.8	171
16	Modifications to the Arabidopsis Defense Proteome Occur Prior to Significant Transcriptional Change in Response to Inoculation with Pseudomonas syringae Â. Plant Physiology, 2006, 142, 1603-1620.	4.8	168
17	Molecular Crosstalk Between PAMP-Triggered Immunity and Photosynthesis. Molecular Plant-Microbe Interactions, 2012, 25, 1083-1092.	2.6	162
18	Analysis of the defence phosphoproteome ofArabidopsis thaliana using differential mass tagging. Proteomics, 2006, 6, 4155-4165.	2.2	146

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19	Broccoli Consumption Interacts with GSTM1 to Perturb Oncogenic Signalling Pathways in the Prostate. PLoS ONE, 2008, 3, e2568.	2.5	135
20	Spatial organization of the glucosinolateâ€“myrosinase system in brassica specialist aphids is similar to that of the host plant. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 187-191.	2.6	132
21	The Plasmodesmal Protein PDLP1 Localises to Haustoria-Associated Membranes during Downy Mildew Infection and Regulates Callose Deposition. PLoS Pathogens, 2014, 10, e1004496.	4.7	130
22	Host Inhibition of a Bacterial Virulence Effector Triggers Immunity to Infection. Science, 2009, 324, 784-787.	12.6	120
23	An atypical RNA polymerase involved in RNA silencing shares small subunits with RNA polymerase II. Nature Structural and Molecular Biology, 2009, 16, 91-93.	8.2	118
24	Prf immune complexes of tomato are oligomeric and contain multiple Ptoâ€like kinases that diversify effector recognition. Plant Journal, 2010, 61, 507-518.	5.7	116
25	Specific changes in the Arabidopsis proteome in response to bacterial challenge: differentiating basal and R-gene mediated resistance. Phytochemistry, 2004, 65, 1805-1816.	2.9	114
26	ThePh1Locus Suppresses Cdk2-Type Activity during Premeiosis and Meiosis in Wheat Â. Plant Cell, 2012, 24, 152-162.	6.6	109
27	Effector Proteins of the Bacterial Pathogen Pseudomonas syringae Alter the Extracellular Proteome of the Host Plant, Arabidopsis thaliana. Molecular and Cellular Proteomics, 2009, 8, 145-156.	3.8	107
28	A direct regional scale estimate of transgene movement from genetically modified oilseed rape to its wild progenitors. Molecular Ecology, 2000, 9, 983-991.	3.9	106
29	Identification of novel proteins and phosphorylation sites in a tonoplast enriched membrane fraction of Arabidopsis thaliana. Proteomics, 2008, 8, 3536-3547.	2.2	103
30	Putative Arabidopsis THO/TREX mRNA export complex is involved in transgene and endogenous siRNA biosynthesis. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13948-13953.	7.1	101
31	Identification of Regulatory and Cargo Proteins of Endosomal and Secretory Pathways in Arabidopsis thaliana by Proteomic Dissection*. Molecular and Cellular Proteomics, 2015, 14, 1796-1813.	3.8	101
32	Comparative genomic, proteomic and exoproteomic analyses of three Pseudomonas strains reveals novel insights into the phosphorus scavenging capabilities of soil bacteria. Environmental Microbiology, 2016, 18, 3535-3549.	3.8	95
33	MASCP Gator: An Aggregation Portal for the Visualization of Arabidopsis Proteomics Data. Plant Physiology, 2011, 155, 259-270.	4.8	94
34	The Proteasome Acts as a Hub for Plant Immunity and Is Targeted by Pseudomonas Type III Effectors. Plant Physiology, 2016, 172, 1941-1958.	4.8	94
35	Transferability and genome specificity of a new set of microsatellite primers among Brassica species of the U triangle. Molecular Ecology Notes, 2002, 2, 7-11.	1.7	90
36	Purification of Effectorâ€“Target Protein Complexes via Transient Expression in Nicotiana benthamiana. Methods in Molecular Biology, 2011, 712, 181-194.	0.9	90

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37	Phosphoproteomic analysis of nuclei-enriched fractions from Arabidopsis thaliana. Journal of Proteomics, 2009, 72, 439-451.	2.4	84
38	Purification and characterisation of a non-plant myrosinase from the cabbage aphid Brevicoryne brassicae (L.). Insect Biochemistry and Molecular Biology, 2001, 31, 1-5.	2.7	82
39	Phytophthora infestans RXLR-WY Effector AVR3a Associates with Dynamin-Related Protein 2 Required for Endocytosis of the Plant Pattern Recognition Receptor FLS2. PLoS ONE, 2015, 10, e0137071.	2.5	78
40	The Irish Potato Famine Pathogen Phytophthora infestans Translocates the CRN8 Kinase into Host Plant Cells. PLoS Pathogens, 2012, 8, e1002875.	4.7	77
41	Niche-adaptation in plant-associated Bacteroidetes favours specialisation in organic phosphorus mineralisation. ISME Journal, 2021, 15, 1040-1055.	9.8	74
42	Analysis of the phosphoproteome of the multicellular bacterium Streptomyces coelicolor A3(2) by protein/peptide fractionation, phosphopeptide enrichment and highâ€accuracy mass spectrometry. Proteomics, 2010, 10, 2486-2497.	2.2	68
43	From pathogen genomes to host plant processes: the power of plant parasitic oomycetes. Genome Biology, 2013, 14, 211.	8.8	64
44	Endoplasmic Reticulum-Quality Control Chaperones Facilitate the Biogenesis of Cf Receptor-Like Proteins Involved in Pathogen Resistance of Tomato Â Â. Plant Physiology, 2012, 159, 1819-1833.	4.8	63
45	SNAREs SYP121 and SYP122 Mediate the Secretion of Distinct Cargo Subsets. Plant Physiology, 2018, 178, 1679-1688.	4.8	56
46	Characterization and evolution of a myrosinase from the cabbage aphid Brevicoryne brassicae. Insect Biochemistry and Molecular Biology, 2002, 32, 275-284.	2.7	54
47	Selective recruitment of proteins to 5â€² cap complexes during the growth cycle in Arabidopsis. Plant Journal, 2009, 59, 400-412.	5.7	53
48	PhosCalc: A tool for evaluating the sites of peptide phosphorylation from Mass Spectrometer data. BMC Research Notes, 2008, 1, 30.	1.4	50
49	The Tomato Prf Complex Is a Molecular Trap for Bacterial Effectors Based on Pto Transphosphorylation. PLoS Pathogens, 2013, 9, e1003123.	4.7	49
50	Probing formation of cargo/importinâ€α transport complexes in plant cells using a pathogen effector. Plant Journal, 2015, 81, 40-52.	5.7	48
51	Cellular localization of relaxinâ€like gonadâ€stimulating peptide expression in Asterias rubens: New insights into neurohormonal control of spawning in starfish. Journal of Comparative Neurology, 2017, 525, 1599-1617.	1.6	47
52	Host-interactor screens of Phytophthora infestans RXLR proteins reveal vesicle trafficking as a major effector-targeted process. Plant Cell, 2021, 33, 1447-1471.	6.6	46
53	Updates of the Inâ€Gel Digestion Method for Protein Analysis by Mass Spectrometry. Proteomics, 2018, 18, e1800236.	2.2	37
54	Altered interactions within FY/AtCPSF complexes required for Arabidopsis FCA-mediated chromatin silencing. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 8772-8777.	7.1	36

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55	Pedal peptide/orcokininâ€type neuropeptide signaling in a deuterostome: The anatomy and pharmacology of starfish myorelaxant peptide in Asterias rubens. Journal of Comparative Neurology, 2017, 525, 3890-3917.	1.6	35
56	The â€˜knownâ€™ genetic potential for microbial communities to degrade organic phosphorus is reduced in lowâ€pH soils. MicrobiologyOpen, 2017, 6, e00474.	3.0	34
57	Biochemical, Anatomical, and Pharmacological Characterization of Calcitonin-Type Neuropeptides in Starfish: Discovery of an Ancient Role as Muscle Relaxants. Frontiers in Neuroscience, 2018, 12, 382.	2.8	34
58	Chaperones of the endoplasmic reticulum are required for Ve1 â€mediated resistance to V erticillium. Molecular Plant Pathology, 2014, 15, 109-117.	4.2	33
59	Rapid production of pure recombinant actin isoforms in Pichia pastoris. Journal of Cell Science, 2018, 131, .	2.0	31
60	MRMaid: The SRM Assay Design Tool for Arabidopsis and Other Species. Frontiers in Plant Science, 2012, 3, 164.	3.6	30
61	Identification of extracellular glycerophosphodiesterases in Pseudomonas and their role in soil organic phosphorus remineralisation. Scientific Reports, 2017, 7, 2179.	3.3	30
62	Functional characterization of a second pedal peptide/orcokininâ€type neuropeptide signaling system in the starfish Asterias rubens. Journal of Comparative Neurology, 2018, 526, 858-876.	1.6	26
63	Molecular and functional characterization of somatostatin-type signalling in a deuterostome invertebrate. Open Biology, 2020, 10, 200172.	3.6	26
64	Echinoderms provide missing link in the evolution of PrRP/sNPF-type neuropeptide signalling. ELife, 2020, 9, .	6.0	25
65	Ancient role of sulfakinin/cholecystokinin-type signalling in inhibitory regulation of feeding processes revealed in an echinoderm. ELife, 2021, 10, .	6.0	22
66	Regulation of Expression of Autophagy Genes by Atg8a-Interacting Partners Sequoia, YL-1, and Sir2 in Drosophila. Cell Reports, 2020, 31, 107695.	6.4	19
67	Site Specific Genetic Incorporation of Azidophenylalanine in Schizosaccharomyces pombe. Scientific Reports, 2015, 5, 17196.	3.3	18
68	Quantifying gene movement from oilseed rape to its wild relatives using remote sensing. International Journal of Remote Sensing, 2000, 21, 3567-3573.	2.9	16
69	Phosphoregulation of tropomyosin is crucial for actin cable turnover and division site placement. Journal of Cell Biology, 2019, 218, 3548-3559.	5.2	16
70	Phosphoproteomics Using iTRAQ. Methods in Molecular Biology, 2011, 779, 287-302.	0.9	14
71	Determination of Boron Content Using a Simple and Rapid Miniaturized Curcumin Assay. Bio-protocol, 2018, 8, .	0.4	13
72	Current status of the multinational Arabidopsis community. Plant Direct, 2020, 4, e00248.	1.9	13

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73	Chapter six A novel myrosinase-glucosinolate defense system in, cruciferous specialist aphids. Recent Advances in Phytochemistry, 2003, 37, 127-142.	0.5	12
74	Activation loop phosphorylation of a non-RD receptor kinase initiates plant innate immune signaling. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	12
75	Editorial: Mechanisms regulating immunity in plants. Frontiers in Plant Science, 2013, 4, 64.	3.6	10
76	Expanding the Zebrafish Genetic Code through Site-Specific Introduction of Azido-lysine, Bicyclononyne-lysine, and Diazirine-lysine. International Journal of Molecular Sciences, 2019, 20, 2577.	4.1	10
77	The HUPO initiative on Model Organism Proteomes, iMOP. Proteomics, 2012, 12, 340-345.	2.2	9
78	The Chemoselective Oneâ€Step Alkylation and Isolation of Thiophosphorylated Cdk2 Substrates in the Presence of Native Cysteine. ChemBioChem, 2011, 12, 633-640.	2.6	8
79	Identification of Related Peptides through the Analysis of Fragment Ion Mass Shifts. Journal of Proteome Research, 2014, 13, 4002-4011.	3.7	7
80	Molecular Identification and Cellular Localization of a Corticotropin-Releasing Hormone-Type Neuropeptide in an Echinoderm. Neuroendocrinology, 2023, 113, 231-250.	2.5	7
81	Stimulation of Distinct Rhizosphere Bacteria Drives Phosphorus and Nitrogen Mineralization in Oilseed Rape under Field Conditions. MSystems, 2022, 7, .	3.8	7
82	Identification of Post-translational Modifications of Plant Protein Complexes. Journal of Visualized Experiments, 2014, , e51095.	0.3	5
83	Strategies for successful isolation of a eukaryotic transporter. Protein Expression and Purification, 2020, 166, 105522.	1.3	5
84	The RNA-binding protein Igf2bp3 is critical for embryonic and germline development in zebrafish. PLoS Genetics, 2021, 17, e1009667.	3.5	5
85	Structural and functional insights into the mechanism of action of plant borate transporters. Scientific Reports, 2021, 11, 12328.	3.3	4
86	Considerations on Post-Translational Modification and Protein Targeting in the Arabidopsis Defense Proteome. Plant Signaling and Behavior, 2007, 2, 153-154.	2.4	3
87	Comparative Genomics across Three Ensifer Species Using a New Complete Genome Sequence of the Medicago Symbiont Sinorhizobium (Ensifer) meliloti WSM1022. Microorganisms, 2021, 9, 2428.	3.6	3
88	Transfer of stabilising mutations between different secondary active transporter families. FEBS Open Bio, 2021, 11, 1685-1694.	2.3	1