

# 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	Molecular Identification and Cellular Localization of a Corticotropin-Releasing Hormone-Type Neuropeptide in an Echinoderm. <i>Neuroendocrinology</i> , 2023, 113, 231-250.	2.5	7
2	Stimulation of Distinct Rhizosphere Bacteria Drives Phosphorus and Nitrogen Mineralization in Oilseed Rape under Field Conditions. <i>MSystems</i> , 2022, 7, .	3.8	7
3	Niche-adaptation in plant-associated <i>Bacteroidetes</i> favours specialisation in organic phosphorus mineralisation. <i>ISME Journal</i> , 2021, 15, 1040-1055.	9.8	74
4	Host-interactor screens of <i>Phytophthora infestans</i> RXLR proteins reveal vesicle trafficking as a major effector-targeted process. <i>Plant Cell</i> , 2021, 33, 1447-1471.	6.6	46
5	Transfer of stabilising mutations between different secondary active transporter families. <i>FEBS Open Bio</i> , 2021, 11, 1685-1694.	2.3	1
6	Structural and functional insights into the mechanism of action of plant borate transporters. <i>Scientific Reports</i> , 2021, 11, 12328.	3.3	4
7	The RNA-binding protein Igf2bp3 is critical for embryonic and germline development in zebrafish. <i>PLoS Genetics</i> , 2021, 17, e1009667.	3.5	5
8	Activation loop phosphorylation of a non-RD receptor kinase initiates plant innate immune signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	12
9	Ancient role of sulfakinin/cholecystokinin-type signalling in inhibitory regulation of feeding processes revealed in an echinoderm. <i>ELife</i> , 2021, 10, .	6.0	22
10	Comparative Genomics across Three Ensifer Species Using a New Complete Genome Sequence of the Medicago Symbiont <i>Sinorhizobium (Ensifer) meliloti</i> WSM1022. <i>Microorganisms</i> , 2021, 9, 2428.	3.6	3
11	Strategies for successful isolation of a eukaryotic transporter. <i>Protein Expression and Purification</i> , 2020, 166, 105522.	1.3	5
12	Current status of the multinational Arabidopsis community. <i>Plant Direct</i> , 2020, 4, e00248.	1.9	13
13	Molecular and functional characterization of somatostatin-type signalling in a deuterostome invertebrate. <i>Open Biology</i> , 2020, 10, 200172.	3.6	26
14	Regulation of Expression of Autophagy Genes by Atg8a-Interacting Partners Sequoia, YL-1, and Sir2 in <i>Drosophila</i> . <i>Cell Reports</i> , 2020, 31, 107695.	6.4	19
15	Echinoderms provide missing link in the evolution of PrRP/sNPF-type neuropeptide signalling. <i>ELife</i> , 2020, 9, .	6.0	25
16	Expanding the Zebrafish Genetic Code through Site-Specific Introduction of Azido-lysine, Bicyclononyne-lysine, and Diazirine-lysine. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2577.	4.1	10
17	Phosphoregulation of tropomyosin is crucial for actin cable turnover and division site placement. <i>Journal of Cell Biology</i> , 2019, 218, 3548-3559.	5.2	16
18	Rapid production of pure recombinant actin isoforms in <i>Pichia pastoris</i> . <i>Journal of Cell Science</i> , 2018, 131, .	2.0	31

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19	Functional characterization of a second pedal peptide/orcokinin-type neuropeptide signaling system in the starfish <i>Asterias rubens</i> . <i>Journal of Comparative Neurology</i> , 2018, 526, 858-876.	1.6	26
20	SNAREs SYP121 and SYP122 Mediate the Secretion of Distinct Cargo Subsets. <i>Plant Physiology</i> , 2018, 178, 1679-1688.	4.8	56
21	Updates of the In-Gel Digestion Method for Protein Analysis by Mass Spectrometry. <i>Proteomics</i> , 2018, 18, e1800236.	2.2	37
22	Determination of Boron Content Using a Simple and Rapid Miniaturized Curcumin Assay. <i>Bio-protocol</i> , 2018, 8, .	0.4	13
23	Biochemical, Anatomical, and Pharmacological Characterization of Calcitonin-Type Neuropeptides in Starfish: Discovery of an Ancient Role as Muscle Relaxants. <i>Frontiers in Neuroscience</i> , 2018, 12, 382.	2.8	34
24	Cellular localization of relaxin-like gonad-stimulating peptide expression in <i>Asterias rubens</i> : New insights into neurohormonal control of spawning in starfish. <i>Journal of Comparative Neurology</i> , 2017, 525, 1599-1617.	1.6	47
25	The "known" genetic potential for microbial communities to degrade organic phosphorus is reduced in low-pH soils. <i>MicrobiologyOpen</i> , 2017, 6, e00474.	3.0	34
26	Identification of extracellular glycerophosphodiesterases in <i>Pseudomonas</i> and their role in soil organic phosphorus remineralisation. <i>Scientific Reports</i> , 2017, 7, 2179.	3.3	30
27	Pedal peptide/orcokinin-type neuropeptide signaling in a deuterostome: The anatomy and pharmacology of starfish myorelaxant peptide in <i>Asterias rubens</i> . <i>Journal of Comparative Neurology</i> , 2017, 525, 3890-3917.	1.6	35
28	Comparative genomic, proteomic and exoproteomic analyses of three <i>Pseudomonas</i> strains reveals novel insights into the phosphorus scavenging capabilities of soil bacteria. <i>Environmental Microbiology</i> , 2016, 18, 3535-3549.	3.8	95
29	The Proteasome Acts as a Hub for Plant Immunity and Is Targeted by <i>Pseudomonas</i> Type III Effectors. <i>Plant Physiology</i> , 2016, 172, 1941-1958.	4.8	94
30	Probing formation of cargo/importin transport complexes in plant cells using a pathogen effector. <i>Plant Journal</i> , 2015, 81, 40-52.	5.7	48
31	Site Specific Genetic Incorporation of Azidophenylalanine in <i>Schizosaccharomyces pombe</i> . <i>Scientific Reports</i> , 2015, 5, 17196.	3.3	18
32	<i>Phytophthora infestans</i> RXLR-WY Effector AVR3a Associates with Dynamin-Related Protein 2 Required for Endocytosis of the Plant Pattern Recognition Receptor FLS2. <i>PLoS ONE</i> , 2015, 10, e0137071.	2.5	78
33	Identification of Regulatory and Cargo Proteins of Endosomal and Secretory Pathways in <i>Arabidopsis thaliana</i> by Proteomic Dissection*. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 1796-1813.	3.8	101
34	The Plasmodesmal Protein PDL1 Localises to Haustoria-Associated Membranes during Downy Mildew Infection and Regulates Callose Deposition. <i>PLoS Pathogens</i> , 2014, 10, e1004496.	4.7	130
35	Identification of Post-translational Modifications of Plant Protein Complexes. <i>Journal of Visualized Experiments</i> , 2014, , e51095.	0.3	5
36	Effector Specialization in a Lineage of the Irish Potato Famine Pathogen. <i>Science</i> , 2014, 343, 552-555.	12.6	179

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37	Chaperones of the endoplasmic reticulum are required for Ve1 -mediated resistance to V erticillium. <i>Molecular Plant Pathology</i> , 2014, 15, 109-117.	4.2	33
38	Identification of Related Peptides through the Analysis of Fragment Ion Mass Shifts. <i>Journal of Proteome Research</i> , 2014, 13, 4002-4011.	3.7	7
39	Direct Regulation of the NADPH Oxidase RBOHD by the PRR-Associated Kinase BIK1 during Plant Immunity. <i>Molecular Cell</i> , 2014, 54, 43-55.	9.7	744
40	From pathogen genomes to host plant processes: the power of plant parasitic oomycetes. <i>Genome Biology</i> , 2013, 14, 211.	8.8	64
41	Receptor-like kinase SOBIR1/EVR interacts with receptor-like proteins in plant immunity against fungal infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 10010-10015.	7.1	272
42	Editorial: Mechanisms regulating immunity in plants. <i>Frontiers in Plant Science</i> , 2013, 4, 64.	3.6	10
43	The Tomato Prf Complex Is a Molecular Trap for Bacterial Effectors Based on Pto Transphosphorylation. <i>PLoS Pathogens</i> , 2013, 9, e1003123.	4.7	49
44	MRMaid: The SRM Assay Design Tool for Arabidopsis and Other Species. <i>Frontiers in Plant Science</i> , 2012, 3, 164.	3.6	30
45	The Irish Potato Famine Pathogen <i>Phytophthora infestans</i> Translocates the CRN8 Kinase into Host Plant Cells. <i>PLoS Pathogens</i> , 2012, 8, e1002875.	4.7	77
46	Endoplasmic Reticulum-Quality Control Chaperones Facilitate the Biogenesis of Cf Receptor-Like Proteins Involved in Pathogen Resistance of Tomato - -. <i>Plant Physiology</i> , 2012, 159, 1819-1833.	4.8	63
47	The <i>Ph1</i> Locus Suppresses Cdk2-Type Activity during Premeiosis and Meiosis in Wheat - -. <i>Plant Cell</i> , 2012, 24, 152-162.	6.6	109
48	The HUPO initiative on Model Organism Proteomes, iMOP. <i>Proteomics</i> , 2012, 12, 340-345.	2.2	9
49	Molecular Crosstalk Between PAMP-Triggered Immunity and Photosynthesis. <i>Molecular Plant-Microbe Interactions</i> , 2012, 25, 1083-1092.	2.6	162
50	Purification of Effector-Target Protein Complexes via Transient Expression in <i>Nicotiana benthamiana</i> . <i>Methods in Molecular Biology</i> , 2011, 712, 181-194.	0.9	90
51	<i>Phytophthora infestans</i> effector AVRblb2 prevents secretion of a plant immune protease at the haustorial interface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 20832-20837.	7.1	285
52	Phosphoproteomics Using iTRAQ. <i>Methods in Molecular Biology</i> , 2011, 779, 287-302.	0.9	14
53	The <i>Arabidopsis</i> Leucine-Rich Repeat Receptor-Like Kinases BAK1/SERK3 and BKK1/SERK4 Are Required for Innate Immunity to Hemibiotrophic and Biotrophic Pathogens. <i>Plant Cell</i> , 2011, 23, 2440-2455.	6.6	578
54	The Chemoselective One-Step Alkylation and Isolation of Thiophosphorylated Cdk2 Substrates in the Presence of Native Cysteine. <i>ChemBioChem</i> , 2011, 12, 633-640.	2.6	8

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55	MASCP Gator: An Aggregation Portal for the Visualization of Arabidopsis Proteomics Data. <i>Plant Physiology</i> , 2011, 155, 259-270.	4.8	94
56	Phosphorylation-Dependent Differential Regulation of Plant Growth, Cell Death, and Innate Immunity by the Regulatory Receptor-Like Kinase BAK1. <i>PLoS Genetics</i> , 2011, 7, e1002046.	3.5	439
57	Analysis of the phosphoproteome of the multicellular bacterium <i>Streptomyces coelicolor</i> A3(2) by protein/peptide fractionation, phosphopeptide enrichment and high accuracy mass spectrometry. <i>Proteomics</i> , 2010, 10, 2486-2497.	2.2	68
58	Prf immune complexes of tomato are oligomeric and contain multiple Pto-like kinases that diversify effector recognition. <i>Plant Journal</i> , 2010, 61, 507-518.	5.7	116
59	Putative <i>Arabidopsis</i> THO/TREX mRNA export complex is involved in transgene and endogenous siRNA biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13948-13953.	7.1	101
60	PhosPhAt: the <i>Arabidopsis thaliana</i> phosphorylation site database. An update. <i>Nucleic Acids Research</i> , 2010, 38, D828-D834.	14.5	346
61	The Lysin Motif Receptor-like Kinase (LysM-RLK) CERK1 Is a Major Chitin-binding Protein in <i>Arabidopsis thaliana</i> and Subject to Chitin-induced Phosphorylation. <i>Journal of Biological Chemistry</i> , 2010, 285, 28902-28911.	3.4	392
62	Altered interactions within FY/AtCPSF complexes required for <i>Arabidopsis</i> FCA-mediated chromatin silencing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 8772-8777.	7.1	36
63	Host Inhibition of a Bacterial Virulence Effector Triggers Immunity to Infection. <i>Science</i> , 2009, 324, 784-787.	12.6	120
64	Effector Proteins of the Bacterial Pathogen <i>Pseudomonas syringae</i> Alter the Extracellular Proteome of the Host Plant, <i>Arabidopsis thaliana</i> . <i>Molecular and Cellular Proteomics</i> , 2009, 8, 145-156.	3.8	107
65	Selective recruitment of proteins to 5' cap complexes during the growth cycle in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2009, 59, 400-412.	5.7	53
66	Genome sequence and analysis of the Irish potato famine pathogen <i>Phytophthora infestans</i> . <i>Nature</i> , 2009, 461, 393-398.	27.8	1,405
67	An atypical RNA polymerase involved in RNA silencing shares small subunits with RNA polymerase II. <i>Nature Structural and Molecular Biology</i> , 2009, 16, 91-93.	8.2	118
68	Phosphoproteomic analysis of nuclei-enriched fractions from <i>Arabidopsis thaliana</i> . <i>Journal of Proteomics</i> , 2009, 72, 439-451.	2.4	84
69	Identification of novel proteins and phosphorylation sites in a tonoplast enriched membrane fraction of <i>Arabidopsis thaliana</i> . <i>Proteomics</i> , 2008, 8, 3536-3547.	2.2	103
70	PhosCalc: A tool for evaluating the sites of peptide phosphorylation from Mass Spectrometer data. <i>BMC Research Notes</i> , 2008, 1, 30.	1.4	50
71	A PHD-Polycomb Repressive Complex 2 triggers the epigenetic silencing of <i>FLC</i> during vernalization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 16831-16836.	7.1	438
72	S-Nitrosylation of Peroxiredoxin II E Promotes Peroxynitrite-Mediated Tyrosine Nitration. <i>Plant Cell</i> , 2008, 19, 4120-4130.	6.6	320

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73	Broccoli Consumption Interacts with GSTM1 to Perturb Oncogenic Signalling Pathways in the Prostate. PLoS ONE, 2008, 3, e2568.	2.5	135
74	Considerations on Post-Translational Modification and Protein Targeting in the Arabidopsis Defense Proteome. Plant Signaling and Behavior, 2007, 2, 153-154.	2.4	3
75	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
76	Multidimensional Protein Identification Technology (MudPIT) Analysis of Ubiquitinated Proteins in Plants. Molecular and Cellular Proteomics, 2007, 6, 601-610.	3.8	171
77	Quantitative phosphoproteomic analysis of plasma membrane proteins reveals regulatory mechanisms of plant innate immune responses. Plant Journal, 2007, 51, 931-940.	5.7	466
78	Analysis of the defence phosphoproteome of Arabidopsis thaliana using differential mass tagging. Proteomics, 2006, 6, 4155-4165.	2.2	146
79	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
80	Modifications to the Arabidopsis Defense Proteome Occur Prior to Significant Transcriptional Change in Response to Inoculation with Pseudomonas syringae Å. Plant Physiology, 2006, 142, 1603-1620.	4.8	168
81	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
82	Chapter six A novel myrosinase-glucosinolate defense system in, cruciferous specialist aphids. Recent Advances in Phytochemistry, 2003, 37, 127-142.	0.5	12
83	Spatial organization of the glucosinolate-“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
84	Characterization and evolution of a myrosinase from the cabbage aphid Brevicoryne brassicae. Insect Biochemistry and Molecular Biology, 2002, 32, 275-284.	2.7	54
85	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
86	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
87	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
88	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