JosÃ© LeÃ³n

List of Publications by Year
in descending order

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179 papers	12,464 citations	20817 60 h-index	29157 104 g-index
205 all docs	205 docs citations	205 times ranked	12073 citing authors

#	Article	IF	Citations
1	Mechanistic insights into an atypical interaction between ATG8 and SH3P2 inArabidopsis thaliana. Autophagy, 2022, 18, 1350-1366.	9.1	12
2	Insights into ROSâ€dependent signalling underlying transcriptomic plant responses to the herbicide 2,4â€D. Plant, Cell and Environment, 2022, 45, 572-590.	5.7	10
3	Back to the roots: A focus on plant cell biology. Plant Cell, 2022, 34, 1-3.	6.6	1
4	Leucine-rich repeat receptor-like protein kinase AtORPK1 promotes oxidative stress resistance in an AtORPK1-AtKAPP mediated module in Arabidopsis. Plant Science, 2022, 315, 111147.	3.6	6
5	Structural insights into how vacuolar sorting receptors recognize the sorting determinants of seed storage proteins. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	8
6	Correlation of vacuole morphology with stomatal lineage development by whole-cell electron tomography. Plant Physiology, 2022, 188, 2085-2100.	4.8	11
7	Protein Tyrosine Nitration in Plant Nitric Oxide Signaling. Frontiers in Plant Science, 2022, 13, 859374.	3.6	8
8	TM9SF4 Is a Crucial Regulator of Inflammation and ER Stress in Inflammatory Bowel Disease. Cellular and Molecular Gastroenterology and Hepatology, 2022, 14, 245-270.	4.5	9
9	Arabidopsis HOPS subunit VPS41 carries out plant-specific roles in vacuolar transport and vegetative growth. Plant Physiology, 2022, 189, 1416-1434.	4.8	14
10	TRPM2 Promotes Atherosclerotic Progression in a Mouse Model of Atherosclerosis. Cells, 2022, 11, 1423.	4.1	14
11	COPII vesicles in plant autophagy and endomembrane trafficking. FEBS Letters, 2022, 596, 2314-2323.	2.8	7
12	Plant ESCRT protein ALIX coordinates with retromer complex in regulating receptor-mediated sorting of soluble vacuolar proteins. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2200492119.	7.1	12
13	Phaseâ€Separated Multienzyme Compartmentalization for Terpene Biosynthesis in a Prokaryote. Angewandte Chemie - International Edition, 2022, 61, .	13.8	21
14	Phaseâ€Separated Multienzyme Compartmentalization for Terpene Biosynthesis in a Prokaryote. Angewandte Chemie, 2022, 134, .	2.0	2
15	The plant ESCRT component FREE1 regulates peroxisome-mediated turnover of lipid droplets in germinating Arabidopsis seedlings. Plant Cell, 2022, 34, 4255-4273.	6.6	9
16	New insights into AtNBR1 as a selective autophagy cargo receptor in Arabidopsis. Plant Signaling and Behavior, 2021, 16, 1839226.	2.4	6
17	Systematic prediction of autophagyâ€related proteins using Arabidopsis thaliana interactome data. Plant Journal, 2021, 105, 708-720.	5.7	9
18	SOX9-COL9A3â€“dependent regulation of choroid plexus epithelial polarity governs bloodâ€“cerebrospinal fluid barrier integrity. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	10

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19	MYB106 is a negative regulator and a substrate for CRL3^{BPM} E3 ligase in regulating flowering time in Arabidopsis thaliana. Journal of Integrative Plant Biology, 2021, 63, 1104-1119.	8.5	12
20	MYB117 is a negative regulator of flowering time in Arabidopsis. Plant Signaling and Behavior, 2021, 16, 1901448.	2.4	6
21	A unique AtSar1D-AtRabD2a nexus modulates autophagosome biogenesis in Arabidopsis thaliana. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	34
22	A plantâ€unique ESCRT component, FYVE4, regulates multivesicular endosome biogenesis and plant growth. New Phytologist, 2021, 231, 193-209.	7.3	20
23	A unique COPII population in plant autophagy. Autophagy, 2021, 17, 1785-1787.	9.1	4
24	Structural basis of substrate recognition and thermal protection by a small heat shock protein. Nature Communications, 2021, 12, 3007.	12.8	22
25	Friendly mediates membrane depolarization-induced mitophagy in Arabidopsis. Current Biology, 2021, 31, 1931-1944.e4.	3.9	47
26	Mammalian cells use the autophagy process to restrict avian influenza virus replication. Cell Reports, 2021, 35, 109213.	6.4	17
27	Plant Rho GTPase signaling promotes autophagy. Molecular Plant, 2021, 14, 905-920.	8.3	18
28	NIN-like protein7 and PROTEOLYSIS6 functional interaction enhances tolerance to sucrose, ABA, and submergence. Plant Physiology, 2021, 187, 2731-2748.	4.8	8
29	An in vitro vesicle formation assay reveals cargo clients and factors that mediate vesicular trafficking. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	25
30	Endolysosomal ion channel MCOLN2 (Mucolipin-2) promotes prostate cancer progression via IL-1Î²/NF-ÎºB pathway. British Journal of Cancer, 2021, 125, 1420-1431.	6.4	12
31	Hydrolysis of organophosphorus by diatom purple acid phosphatase and sequential regulation of cell metabolism. Journal of Experimental Botany, 2021, 72, 2918-2932.	4.8	9
32	Post-Translational Modifications of Nitrate Reductases Autoregulates Nitric Oxide Biosynthesis in Arabidopsis. International Journal of Molecular Sciences, 2021, 22, 549.	4.1	26
33	The hypoxiaâ€“reoxygenation stress in plants. Journal of Experimental Botany, 2021, 72, 5841-5856.	4.8	53
34	Membrane imaging in the plant endomembrane system. Plant Physiology, 2021, 185, 562-576.	4.8	13
35	A distinct giant coat protein complex II vesicle population in Arabidopsis thaliana. Nature Plants, 2021, 7, 1335-1346.	9.3	15
36	Transient Expression of Fluorescent Fusion Proteins in Arabidopsis Protoplasts. Methods in Molecular Biology, 2021, 2200, 157-165.	0.9	2

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37	Subnanometer resolution cryo-EM structure of Arabidopsis thaliana ATG9. Autophagy, 2020, 16, 575-583.	9.1	36
38	Present knowledge and controversies, deficiencies, and misconceptions on nitric oxide synthesis, sensing, and signaling in plants. Plant, Cell and Environment, 2020, 43, 1-15.	5.7	78
39	Plant extracellular vesicles. Protoplasma, 2020, 257, 3-12.	2.1	116
40	AtSec62 is critical for plant development and is involved in ERâ€phagy in Arabidopsis thaliana. Journal of Integrative Plant Biology, 2020, 62, 181-200.	8.5	67
41	The roles of endomembrane trafficking in plant abiotic stress responses. Journal of Integrative Plant Biology, 2020, 62, 55-69.	8.5	57
42	Identification and characterization of unconventional membrane protein trafficking regulators in Arabidopsis: A genetic approach. Journal of Plant Physiology, 2020, 252, 153229.	3.5	0
43	Preservation of microvascular barrier function requires CD31 receptor-induced metabolic reprogramming. Nature Communications, 2020, 11, 3595.	12.8	22
44	TRPM2 promotes autophagic degradation in vascular smooth muscle cells. Scientific Reports, 2020, 10, 20719.	3.3	13
45	SINAT E3 Ubiquitin Ligases Mediate FREE1 and VPS23A Degradation to Modulate Abscisic Acid Signaling. Plant Cell, 2020, 32, 3290-3310.	6.6	46
46	AtNBR1 Is a Selective Autophagic Receptor for AtExo70E2 in Arabidopsis. Plant Physiology, 2020, 184, 777-791.	4.8	28
47	SINAT E3 ligases regulate the stability of the ESCRT component FREE1 in response to iron deficiency in plants. Journal of Integrative Plant Biology, 2020, 62, 1399-1417.	8.5	25
48	Nitrite Reductase 1 Is a Target of Nitric Oxide-Mediated Post-Translational Modifications and Controls Nitrogen Flux and Growth in Arabidopsis. International Journal of Molecular Sciences, 2020, 21, 7270.	4.1	19
49	Membrane Contact Sites and Organelles Interaction in Plant Autophagy. Frontiers in Plant Science, 2020, 11, 477.	3.6	7
50	Molecular mechanisms that regulate export of the planar cell-polarity protein Frizzled-6 out of the endoplasmic reticulum. Journal of Biological Chemistry, 2020, 295, 8972-8987.	3.4	11
51	Vacuole Biogenesis in Plants: How Many Vacuoles, How Many Models?. Trends in Plant Science, 2020, 25, 538-548.	8.8	50
52	RAP2.3 negatively regulates nitric oxide biosynthesis and related responses through a rheostat-like mechanism in Arabidopsis. Journal of Experimental Botany, 2020, 71, 3157-3171.	4.8	17
53	MTV proteins unveil ER- and microtubule-associated compartments in the plant vacuolar trafficking pathway. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9884-9895.	7.1	23
54	Subcellular Localization of Rice Acyl-CoA-Binding Proteins ACBP4 and ACBP5 Supports Their Non-redundant Roles in Lipid Metabolism. Frontiers in Plant Science, 2020, 11, 331.	3.6	11

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55	Valine-Glutamine Proteins in Plant Responses to Oxygen and Nitric Oxide. Frontiers in Plant Science, 2020, 11, 632678.	3.6	10
56	A cross-kingdom conserved ER-phagy receptor maintains endoplasmic reticulum homeostasis during stress. ELife, 2020, 9, .	6.0	139
57	Analysis of Membrane Proteins Transport from Endosomal Compartments to Vacuoles. Methods in Molecular Biology, 2020, 2177, 15-21.	0.9	0
58	The interplay between endomembranes and autophagy in plants. Current Opinion in Plant Biology, 2019, 52, 14-22.	7.1	17
59	ER-Phagy and ER Stress Response (ERSR) in Plants. Frontiers in Plant Science, 2019, 10, 1192.	3.6	20
60	Salicylic acid-mediated plasmodesmal closure via Remorin-dependent lipid organization. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21274-21284.	7.1	102
61	RST1 Is a FREE1 Suppressor That Negatively Regulates Vacuolar Trafficking in Arabidopsis. Plant Cell, 2019, 31, 2152-2168.	6.6	20
62	Possible Roles of Membrane Trafficking Components for Lipid Droplet Dynamics in Higher Plants and Green Algae. Frontiers in Plant Science, 2019, 10, 207.	3.6	18
63	Nitric oxide deficiency decreases C-repeat binding factor-dependent and -independent induction of cold acclimation. Journal of Experimental Botany, 2019, 70, 3283-3296.	4.8	15
64	The plant ESCRT component FREE1 shuttles to the nucleus to attenuate abscisic acid signalling. Nature Plants, 2019, 5, 512-524.	9.3	68
65	Chloroplast Degradation: Multiple Routes Into the Vacuole. Frontiers in Plant Science, 2019, 10, 359.	3.6	54
66	Structural Biology and Electron Microscopy of the Autophagy Molecular Machinery. Cells, 2019, 8, 1627.	4.1	9
67	A whole-cell electron tomography model of vacuole biogenesis in Arabidopsis root cells. Nature Plants, 2019, 5, 95-105.	9.3	89
68	ESCRTâ€dependent vacuolar sorting and degradation of the auxin biosynthetic enzyme YUC1 flavin monooxygenase. Journal of Integrative Plant Biology, 2019, 61, 968-973.	8.5	9
69	Genetic Suppressor Screen Using an Inducible FREE1-RNAi Line to Detect ESCRT Genetic Interactors in Arabidopsis thaliana. Methods in Molecular Biology, 2019, 1998, 273-289.	0.9	0
70	Signal motifs-dependent ER export of Qc-SNARE BET12 interacts with MEMB12 and affects PR1 trafficking in Arabidopsis. Journal of Cell Science, 2018, 131, .	2.0	39
71	Re-assessment of biolistic transient expression: An efficient and robust method for protein localization studies in seedling-lethal mutant and juvenile plants. Plant Science, 2018, 274, 2-7.	3.6	7
72	AtCAP2 is crucial for lytic vacuole biogenesis during germination by positively regulating vacuolar protein trafficking. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1675-E1683.	7.1	13

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73	Na⁺,K⁺/H⁺ antiporters regulate the pH of endoplasmic reticulum and auxinâ€mediated development. Plant, Cell and Environment, 2018, 41, 850-864.	5.7	19
74	Polycystin-2 Plays an Essential Role in Glucose Starvation-Induced Autophagy in Human Embryonic Stem Cell-Derived Cardiomyocytes. Stem Cells, 2018, 36, 501-513.	3.2	20
75	ATM and ATR play complementary roles in the behavior of excitatory and inhibitory vesicle populations. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E292-E301.	7.1	58
76	Hormone modulates protein dynamics to regulate plant growth. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3521-3523.	7.1	6
77	Dynamics of Autophagosome Formation. Plant Physiology, 2018, 176, 219-229.	4.8	95
78	TM9SF4 is a novel factor promoting autophagic flux under amino acid starvation. Cell Death and Differentiation, 2018, 25, 368-379.	11.2	25
79	Protein secretion in plants: conventional and unconventional pathways and new techniques. Journal of Experimental Botany, 2018, 69, 21-37.	4.8	74
80	The Multivesicular Body and Autophagosome Pathways in Plants. Frontiers in Plant Science, 2018, 9, 1837.	3.6	24
81	A plant Bro1 domain protein BRAF regulates multivesicular body biogenesis and membrane protein homeostasis. Nature Communications, 2018, 9, 3784.	12.8	41
82	AGC1.5 Kinase Phosphorylates RopGEFs to Control Pollen Tube Growth. Molecular Plant, 2018, 11, 1198-1209.	8.3	43
83	TRPV6 protects ER stress-induced apoptosis via ATF6Î±-TRPV6-JNK pathway in human embryonic stem cell-derived cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2018, 120, 1-11.	1.9	9
84	Nitric oxide responses in Arabidopsis hypocotyls are mediated by diverse phytohormone pathways. Journal of Experimental Botany, 2018, 69, 5265-5278.	4.8	45
85	Autophagosome Biogenesis and the Endoplasmic Reticulum: A Plant Perspective. Trends in Plant Science, 2018, 23, 677-692.	8.8	74
86	Nitric Oxide Controls Constitutive Freezing Tolerance in Arabidopsis by Attenuating the Levels of Osmoprotectants, Stress-Related Hormones and Anthocyanins. Scientific Reports, 2018, 8, 9268.	3.3	53
87	A rapid and efficient method to study the function of crop plant transporters in Arabidopsis. Protoplasma, 2017, 254, 737-747.	2.1	4
88	MONENSIN SENSITIVITY1 (MON1)/CALCIUM CAFFEINE ZINC SENSITIVITY1 (CCZ1)-Mediated Rab7 Activation Regulates Tapetal Programmed Cell Death and Pollen Development. Plant Physiology, 2017, 173, 206-218.	4.8	25
89	Calciumâ€dependent protein kinase <scp>CPK</scp>28 targets the methionine adenosyltransferases for degradation by the 26S proteasome and affects ethylene biosynthesis and lignin deposition in Arabidopsis. Plant Journal, 2017, 90, 304-318.	5.7	34
90	Targeting tail-anchored proteins into plant organelles. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1762-1764.	7.1	7

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91	Functional Analysis of Nuclear Estrogen Receptors in Zebrafish Reproduction by Genome Editing Approach. Endocrinology, 2017, 158, 2292-2308.	2.8	105
92	Lhx1/5 control dendritogenesis and spine morphogenesis of Purkinje cells via regulation of Espin. Nature Communications, 2017, 8, 15079.	12.8	26
93	TRAF Family Proteins Regulate Autophagy Dynamics by Modulating AUTOPHAGY PROTEIN6 Stability in Arabidopsis. Plant Cell, 2017, 29, 890-911.	6.6	108
94	ATG9 regulates autophagosome progression from the endoplasmic reticulum in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E426-E435.	7.1	200
95	Plant ESCRT Complexes: Moving Beyond Endosomal Sorting. Trends in Plant Science, 2017, 22, 986-998.	8.8	109
96	PPero, a Computational Model for Plant PTS1 Type Peroxisomal Protein Prediction. PLoS ONE, 2017, 12, e0168912.	2.5	38
97	Î±2-COP is involved in early secretory traffic in Arabidopsis and is required for plant growth. Journal of Experimental Botany, 2016, 68, erw446.	4.8	22
98	Aortic Baroreceptors Display Higher Mechanosensitivity than Carotid Baroreceptors. Frontiers in Physiology, 2016, 7, 384.	2.8	12
99	Origin of the Autophagosomal Membrane in Plants. Frontiers in Plant Science, 2016, 7, 1655.	3.6	17
100	A Distinct Pathway for Polar Exocytosis in Plant Cell Wall Formation Â. Plant Physiology, 2016, 172, 1003-1018.	4.8	61
101	FYVE1/FREE1 Interacts with the PYL4 ABA Receptor and Mediates Its Delivery to the Vacuolar Degradation Pathway. Plant Cell, 2016, 28, 2291-2311.	6.6	129
102	Using Fluorescent Protein Fusions to Study Protein Subcellular Localization and Dynamics in Plant Cells. Methods in Molecular Biology, 2016, 1474, 113-123.	0.9	8
103	Nitric oxide triggers a transient metabolic reprogramming in Arabidopsis. Scientific Reports, 2016, 6, 37945.	3.3	38
104	COPII Paralogs in Plants: Functional Redundancy or Diversity?. Trends in Plant Science, 2016, 21, 758-769.	8.8	61
105	Protein Co-localization Studies: Issues and Considerations. Molecular Plant, 2016, 9, 1221-1223.	8.3	5
106	AtBRO1 Functions in ESCRT-I Complex to Regulate Multivesicular Body Protein Sorting. Molecular Plant, 2016, 9, 760-763.	8.3	27
107	Biogenesis of Plant Prevacuolar Multivesicular Bodies. Molecular Plant, 2016, 9, 774-786.	8.3	115
108	Unconventional protein secretion in plants: a critical assessment. Protoplasma, 2016, 253, 31-43.	2.1	96

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109	Endoplasmic reticulum (ER) stress and the unfolded protein response (UPR) in plants. Protoplasma, 2016, 253, 753-764.	2.1	76
110	Arabidopsis COG Complex Subunits COG3 and COG8 Modulate Golgi Morphology, Vesicle Trafficking Homeostasis and Are Essential for Pollen Tube Growth. PLoS Genetics, 2016, 12, e1006140.	3.5	33
111	Vacuoles protect plants from high magnesium stress. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2931-2932.	7.1	29
112	Fast-Suppressor Screening for New Components in Protein Trafficking, Organelle Biogenesis and Silencing Pathway in Arabidopsis thaliana Using DEX-Inducible FREE1-RNAi Plants. Journal of Genetics and Genomics, 2015, 42, 319-330.	3.9	18
113	Unique COPII component AtSar1a/AtSec23a pair is required for the distinct function of protein ER export in Arabidopsis thaliana. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14360-14365.	7.1	65
114	EXPO and Autophagosomes are Distinct Organelles in Plants. Plant Physiology, 2015, 169, pp.00953.2015.	4.8	43
115	Dual roles of an Arabidopsis ESCRT component FREE1 in regulating vacuolar protein transport and autophagic degradation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1886-1891.	7.1	166
116	Pten Deletion Promotes Regrowth of Corticospinal Tract Axons 1 Year after Spinal Cord Injury. Journal of Neuroscience, 2015, 35, 9754-9763.	3.6	143
117	Oxygen Sensing Coordinates Photomorphogenesis to Facilitate Seedling Survival. Current Biology, 2015, 25, 1483-1488.	3.9	131
118	Conserved function of the lysine-based KXD/E motif in Golgi retention for endomembrane proteins among different organisms. Molecular Biology of the Cell, 2015, 26, 4280-4293.	2.1	41
119	Inactivation of PYR/PYL/RCAR ABA receptors by tyrosine nitration may enable rapid inhibition of ABA signaling by nitric oxide in plants. Science Signaling, 2015, 8, ra89.	3.6	129
120	Endocytic and autophagic pathways crosstalk in plants. Current Opinion in Plant Biology, 2015, 28, 39-47.	7.1	65
121	Injured adult retinal axons with Pten and Socs3 co-deletion reform active synapses with suprachiasmatic neurons. Neurobiology of Disease, 2015, 73, 366-376.	4.4	46
122	Pathogen and Circadian Controlled 1 (PCC1) Protein Is Anchored to the Plasma Membrane and Interacts with Subunit 5 of COP9 Signalosome in Arabidopsis. PLoS ONE, 2014, 9, e87216.	2.5	10
123	Unconventional protein secretion (UPS) pathways in plants. Current Opinion in Cell Biology, 2014, 29, 107-115.	5.4	78
124	The Arabidopsis Endosomal Sorting Complex Required for Transport III Regulates Internal Vesicle Formation of the Prevacuolar Compartment and Is Required for Plant Development. Plant Physiology, 2014, 165, 1328-1343.	4.8	76
125	Trans-Golgi Network-Located AP1 Gamma Adaptins Mediate Dileucine Motif-Directed Vacuolar Targeting in Arabidopsis. Plant Cell, 2014, 26, 4102-4118.	6.6	87
126	How Vacuolar Sorting Receptor Proteins Interact with Their Cargo Proteins: Crystal Structures of Apo and Cargo-Bound Forms of the Protease-Associated Domain from an Arabidopsis Vacuolar Sorting Receptor. Plant Cell, 2014, 26, 3693-3708.	6.6	21

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127	Overproduction of Upper-Layer Neurons in the Neocortex Leads to Autism-like Features in Mice. Cell Reports, 2014, 9, 1635-1643.	6.4	96
128	Nitric Oxide Sensing in Plants Is Mediated by Proteolytic Control of Group VII ERF Transcription Factors. Molecular Cell, 2014, 53, 369-379.	9.7	312
129	The <scp>TRANSPLANTA</scp> collection of <scp>A</scp>rabidopsis lines: a resource for functional analysis of transcription factors based on their conditional overexpression. Plant Journal, 2014, 77, 944-953.	5.7	104
130	Subcellular localization of rice acylâ€CoAâ€binding proteins (ACBPs) indicates that Os<scp>ACBP</scp>6::<scp>GFP</scp> is targeted to the peroxisomes. New Phytologist, 2014, 203, 469-482.	7.3	62
131	Diverse functional interactions between nitric oxide and abscisic acid in plant development and responses to stress. Journal of Experimental Botany, 2014, 65, 907-921.	4.8	114
132	A Unique Plant ESCRT Component, FREE1, Regulates Multivesicular Body Protein Sorting and Plant Growth. Current Biology, 2014, 24, 2556-2563.	3.9	194
133	Activation of the Rab7 GTPase by the MON1-CCZ1 Complex Is Essential for PVC-to-Vacuole Trafficking and Plant Growth in Arabidopsis. Plant Cell, 2014, 26, 2080-2097.	6.6	192
134	Retention mechanisms for ER and Golgi membrane proteins. Trends in Plant Science, 2014, 19, 508-515.	8.8	83
135	Pathogen and Circadian Controlled 1 (PCC1) regulates polar lipid content, ABA-related responses, and pathogen defence in Arabidopsis thaliana. Journal of Experimental Botany, 2013, 64, 3385-3395.	4.8	42
136	Role of Plant Peroxisomes in the Production of Jasmonic Acid-Based Signals. Sub-Cellular Biochemistry, 2013, 69, 299-313.	2.4	26
137	Ubiquitin initiates sorting of Golgi and plasma membrane proteins into the vacuolar degradation pathway. BMC Plant Biology, 2012, 12, 164.	3.6	62
138	A dualâ€targeted purple acid phosphatase in Arabidopsis thaliana moderates carbon metabolism and its overexpression leads to faster plant growth and higher seed yield. New Phytologist, 2012, 194, 206-219.	7.3	70
139	In vivo protein tyrosine nitration in Arabidopsis thaliana. Journal of Experimental Botany, 2011, 62, 3501-3517.	4.8	194
140	Nitric Oxide Regulates DELLA Content and PIF Expression to Promote Photomorphogenesis in Arabidopsis Â. Plant Physiology, 2011, 156, 1410-1423.	4.8	126
141	Inhibition of Arabidopsis O-Acetylserine(thiol)lyase A1 by Tyrosine Nitration. Journal of Biological Chemistry, 2011, 286, 578-586.	3.4	58
142	Involvement of nitric oxide and auxin in signal transduction of copper-induced morphological responses in Arabidopsis seedlings. Annals of Botany, 2011, 108, 449-457.	2.9	117
143	A Permeable Cuticle Is Associated with the Release of Reactive Oxygen Species and Induction of Innate Immunity. PLoS Pathogens, 2011, 7, e1002148.	4.7	128
144	OsNOA1/RIF1 is a functional homolog of AtNOA1/RIF1: implication for a highly conserved plant cGTPase essential for chloroplast function. New Phytologist, 2010, 187, 83-105.	7.3	39

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145	Genome-wide analyses of the transcriptomes of salicylic acid-deficient versus wild-type plants uncover Pathogen and Circadian Controlled 1 (PCC1) as a regulator of flowering time in Arabidopsis. Plant, Cell and Environment, 2010, 33, 11-22.	5.7	29
146	Enhanced Abscisic Acid-Mediated Responses innia1nia2noa1-2Triple Mutant Impaired in NIA/NR- and AtNOA1-Dependent Nitric Oxide Biosynthesis in Arabidopsis. Plant Physiology, 2010, 152, 891-903.	4.8	219
147	Nitric oxide modulates sensitivity to ABA. Plant Signaling and Behavior, 2010, 5, 314-316.	2.4	25
148	Histone H2A.Z and homologues of components of the SWR1 complex are required to control immunity in Arabidopsis. Plant Journal, 2008, 53, 475-487.	5.7	209
149	Peroxisome proliferation, wound-activated responses and expression of peroxisome-associated genes are cross-regulated but uncoupled in Arabidopsis thaliana. Plant, Cell and Environment, 2008, 31, 492-505.	5.7	49
150	The Endosomal System of Plants: Charting New and Familiar Territories. Plant Physiology, 2008, 147, 1482-1492.	4.8	223
151	Peroxisome proliferation in Arabidopsis. Plant Signaling and Behavior, 2008, 3, 671-673.	2.4	8
152	Expression of the Î²-oxidation gene 3-ketoacyl-CoA thiolase 2 (KAT2) is required for the timely onset of natural and dark-induced leaf senescence in Arabidopsis. Journal of Experimental Botany, 2008, 59, 2171-2179.	4.8	63
153	Differential distribution of the lipoxygenase pathway enzymes within potato chloroplasts. Journal of Experimental Botany, 2006, 58, 555-568.	4.8	88
154	Gene-Specific Involvement of Î²-Oxidation in Wound-Activated Responses in Arabidopsis. Plant Physiology, 2004, 135, 85-94.	4.8	139
155	Salicylic acid regulates flowering time and links defence responses and reproductive development. Plant Journal, 2004, 37, 209-217.	5.7	316
156	Induction of the Arginine Decarboxylase ADC2 Gene Provides Evidence for the Involvement of Polyamines in the Wound Response in Arabidopsis. Plant Physiology, 2002, 130, 1454-1463.	4.8	158
157	Lipoxygenase H1 Gene Silencing Reveals a Specific Role in Supplying Fatty Acid Hydroperoxides for Aliphatic Aldehyde Production. Journal of Biological Chemistry, 2002, 277, 416-423.	3.4	82
158	Membrane anchors for vacuolar targeting: application in plant bioreactors. Trends in Biotechnology, 2002, 20, 99-102.	9.3	32
159	Multivesicular bodies: a mechanism to package lytic and storage functions in one organelle?. Trends in Cell Biology, 2002, 12, 362-367.	7.9	56
160	Wound signalling in plants. Journal of Experimental Botany, 2001, 52, 1-9.	4.8	715
161	The protein storage vacuole. Journal of Cell Biology, 2001, 155, 991-1002.	5.2	169
162	Antisense-mediated depletion of a potato lipoxygenase reduces wound induction of proteinase inhibitors and increases weight gain of insect pests. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 1146-1151.	7.1	161

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163	Molecular biology of jasmonic acid biosynthesis in plants. Plant Physiology and Biochemistry, 1999, 37, 373-380.	5.8	69
164	Cross-talk between wound signalling pathways determines local versus systemic gene expression in Arabidopsis thaliana. Plant Journal, 1999, 20, 135-142.	5.7	208
165	Antisense-mediated depletion of potato leaf omega3 fatty acid desaturase lowers linolenic acid content and reduces gene activation in response to wounding. FEBS Journal, 1999, 262, 283-290.	0.2	28
166	Jasmonic acid-dependent and -independent wound signal transduction pathways are differentially regulated by Ca2+/calmodulin in Arabidopsis thaliana. Molecular Genetics and Genomics, 1998, 258, 412-419.	2.4	110
167	Reversible protein phosphorylation regulates jasmonic acidâ€dependent and â€independent wound signal transduction pathways in Arabidopsis thaliana. Plant Journal, 1998, 13, 153-165.	5.7	148
168	Ozone-induced responses in Arabidopsis thaliana: the role of salicylic acid in the accumulation of defense-related transcripts and induced resistance.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 5099-5104.	7.1	341
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170	Biosynthesis and metabolism of salicylic acid.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 4076-4079.	7.1	303
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