JosÃ© LeÃ³n

List of Publications by Year
in descending order

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	Wound signalling in plants. Journal of Experimental Botany, 2001, 52, 1-9.	4.8	715
2	Hydrogen Peroxide Stimulates Salicylic Acid Biosynthesis in Tobacco. Plant Physiology, 1995, 108, 1673-1678.	4.8	381
3	Ultraviolet light and ozone stimulate accumulation of salicylic acid, pathogenesis-related proteins and virus resistance in tobacco. Planta, 1994, 193, 372.	3.2	343
4	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
5	Pathway of Salicylic Acid Biosynthesis in Healthy and Virus-Inoculated Tobacco. Plant Physiology, 1993, 103, 315-321.	4.8	331
6	Salicylic acid regulates flowering time and links defence responses and reproductive development. Plant Journal, 2004, 37, 209-217.	5.7	316
7	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
8	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
9	The Endosomal System of Plants: Charting New and Familiar Territories. Plant Physiology, 2008, 147, 1482-1492.	4.8	223
10	Enhanced Abscisic Acid-Mediated Responses in<i>nia1nia2noa1-2</i>Triple Mutant Impaired in NIA/NR- and AtNOA1-Dependent Nitric Oxide Biosynthesis in Arabidopsis. Plant Physiology, 2010, 152, 891-903.	4.8	219
11	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
12	Cross-talk between wound signalling pathways determines local versus systemic gene expression in Arabidopsis thaliana. Plant Journal, 1999, 20, 135-142.	5.7	208
13	ATG9 regulates autophagosome progression from the endoplasmic reticulum in <i>Arabidopsis</i>. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E426-E435.	7.1	200
14	In vivo protein tyrosine nitration in Arabidopsis thaliana. Journal of Experimental Botany, 2011, 62, 3501-3517.	4.8	194
15	A Unique Plant ESCRT Component, FREE1, Regulates Multivesicular Body Protein Sorting and Plant Growth. Current Biology, 2014, 24, 2556-2563.	3.9	194
16	Activation of the Rab7 GTPase by the MON1-CCZ1 Complex Is Essential for PVC-to-Vacuole Trafficking and Plant Growth in <i>Arabidopsis</i>. Plant Cell, 2014, 26, 2080-2097.	6.6	192
17	Benzoic acid 2-hydroxylase, a soluble oxygenase from tobacco, catalyzes salicylic acid biosynthesis.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 10413-10417.	7.1	184
18	Is Salicylic Acid a Translocated Signal of Systemic Acquired Resistance in Tobacco?. Plant Cell, 1995, 7, 1691-1701.	6.6	180

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19	The protein storage vacuole. Journal of Cell Biology, 2001, 155, 991-1002.	5.2	169
20	Dual roles of an <i>Arabidopsis</i> 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
21	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
22	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
23	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
24	Pten Deletion Promotes Regrowth of Corticospinal Tract Axons 1 Year after Spinal Cord Injury. Journal of Neuroscience, 2015, 35, 9754-9763.	3.6	143
25	Induction of Benzoic Acid 2-Hydroxylase in Virus-Inoculated Tobacco. Plant Physiology, 1993, 103, 323-328.	4.8	142
26	Gene-Specific Involvement of Î²-Oxidation in Wound-Activated Responses in Arabidopsis. Plant Physiology, 2004, 135, 85-94.	4.8	139
27	A cross-kingdom conserved ER-phagy receptor maintains endoplasmic reticulum homeostasis during stress. ELife, 2020, 9, .	6.0	139
28	Oxygen Sensing Coordinates Photomorphogenesis to Facilitate Seedling Survival. Current Biology, 2015, 25, 1483-1488.	3.9	131
29	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
30	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
31	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
32	Nitric Oxide Regulates DELLA Content and <i>PIF</i> Expression to Promote Photomorphogenesis in Arabidopsis Â. Plant Physiology, 2011, 156, 1410-1423.	4.8	126
33	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
34	Plant extracellular vesicles. Protoplasma, 2020, 257, 3-12.	2.1	116
35	Biogenesis of Plant Prevacuolar Multivesicular Bodies. Molecular Plant, 2016, 9, 774-786.	8.3	115
36	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

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37	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
38	Plant ESCRT Complexes: Moving Beyond Endosomal Sorting. Trends in Plant Science, 2017, 22, 986-998.	8.8	109
39	TRAF Family Proteins Regulate Autophagy Dynamics by Modulating AUTOPHAGY PROTEIN6 Stability in Arabidopsis. Plant Cell, 2017, 29, 890-911.	6.6	108
40	Functional Analysis of Nuclear Estrogen Receptors in Zebrafish Reproduction by Genome Editing Approach. Endocrinology, 2017, 158, 2292-2308.	2.8	105
41	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
42	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
43	Overproduction of Upper-Layer Neurons in the Neocortex Leads to Autism-like Features in Mice. Cell Reports, 2014, 9, 1635-1643.	6.4	96
44	Unconventional protein secretion in plants: a critical assessment. Protoplasma, 2016, 253, 31-43.	2.1	96
45	Dynamics of Autophagosome Formation. Plant Physiology, 2018, 176, 219-229.	4.8	95
46	A whole-cell electron tomography model of vacuole biogenesis in Arabidopsis root cells. Nature Plants, 2019, 5, 95-105.	9.3	89
47	Differential distribution of the lipoxygenase pathway enzymes within potato chloroplasts. Journal of Experimental Botany, 2006, 58, 555-568.	4.8	88
48	<i>Trans</i>-Golgi Network-Located AP1 Gamma Adaptins Mediate Dileucine Motif-Directed Vacuolar Targeting in <i>Arabidopsis</i>. Plant Cell, 2014, 26, 4102-4118.	6.6	87
49	Retention mechanisms for ER and Golgi membrane proteins. Trends in Plant Science, 2014, 19, 508-515.	8.8	83
50	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
51	Unconventional protein secretion (UPS) pathways in plants. Current Opinion in Cell Biology, 2014, 29, 107-115.	5.4	78
52	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
53	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
54	Endoplasmic reticulum (ER) stress and the unfolded protein response (UPR) in plants. Protoplasma, 2016, 253, 753-764.	2.1	76

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55	Protein secretion in plants: conventional and unconventional pathways and new techniques. Journal of Experimental Botany, 2018, 69, 21-37.	4.8	74
56	Autophagosome Biogenesis and the Endoplasmic Reticulum: A Plant Perspective. Trends in Plant Science, 2018, 23, 677-692.	8.8	74
57	A dualâ€targeted purple acid phosphatase in <i>Arabidopsis thaliana</i> moderates carbon metabolism and its overexpression leads to faster plant growth and higher seed yield. New Phytologist, 2012, 194, 206-219.	7.3	70
58	Molecular biology of jasmonic acid biosynthesis in plants. Plant Physiology and Biochemistry, 1999, 37, 373-380.	5.8	69
59	The plant ESCRT component FREE1 shuttles to the nucleus to attenuate abscisic acid signalling. Nature Plants, 2019, 5, 512-524.	9.3	68
60	AtSec62 is critical for plant development and is involved in ERâ€phagy in <i>Arabidopsis thaliana</i>. Journal of Integrative Plant Biology, 2020, 62, 181-200.	8.5	67
61	Unique COPII component AtSar1a/AtSec23a pair is required for the distinct function of protein ER export in <i>Arabidopsis thaliana</i>. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14360-14365.	7.1	65
62	Endocytic and autophagic pathways crosstalk in plants. Current Opinion in Plant Biology, 2015, 28, 39-47.	7.1	65
63	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
64	Ubiquitin initiates sorting of Golgi and plasma membrane proteins into the vacuolar degradation pathway. BMC Plant Biology, 2012, 12, 164.	3.6	62
65	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
66	A Distinct Pathway for Polar Exocytosis in Plant Cell Wall Formation Â. Plant Physiology, 2016, 172, 1003-1018.	4.8	61
67	COPII Paralogs in Plants: Functional Redundancy or Diversity?. Trends in Plant Science, 2016, 21, 758-769.	8.8	61
68	Inhibition of Arabidopsis O-Acetylserine(thiol)lyase A1 by Tyrosine Nitration. Journal of Biological Chemistry, 2011, 286, 578-586.	3.4	58
69	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
70	The roles of endomembrane trafficking in plant abiotic stress responses. Journal of Integrative Plant Biology, 2020, 62, 55-69.	8.5	57
71	Multivesicular bodies: a mechanism to package lytic and storage functions in one organelle?. Trends in Cell Biology, 2002, 12, 362-367.	7.9	56
72	Chloroplast Degradation: Multiple Routes Into the Vacuole. Frontiers in Plant Science, 2019, 10, 359.	3.6	54

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73	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
74	The hypoxiaâ€“reoxygenation stress in plants. Journal of Experimental Botany, 2021, 72, 5841-5856.	4.8	53
75	Vacuole Biogenesis in Plants: How Many Vacuoles, How Many Models?. Trends in Plant Science, 2020, 25, 538-548.	8.8	50
76	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
77	Friendly mediates membrane depolarization-induced mitophagy in Arabidopsis. Current Biology, 2021, 31, 1931-1944.e4.	3.9	47
78	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
79	SINAT E3 Ubiquitin Ligases Mediate FREE1 and VPS23A Degradation to Modulate Abscisic Acid Signaling. Plant Cell, 2020, 32, 3290-3310.	6.6	46
80	Nitric oxide responses in Arabidopsis hypocotyls are mediated by diverse phytohormone pathways. Journal of Experimental Botany, 2018, 69, 5265-5278.	4.8	45
81	EXPO and Autophagosomes are Distinct Organelles in Plants. Plant Physiology, 2015, 169, pp.00953.2015.	4.8	43
82	AGC1.5 Kinase Phosphorylates RopGEFs to Control Pollen Tube Growth. Molecular Plant, 2018, 11, 1198-1209.	8.3	43
83	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
84	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
85	A plant Bro1 domain protein BRAF regulates multivesicular body biogenesis and membrane protein homeostasis. Nature Communications, 2018, 9, 3784.	12.8	41
86	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
87	Signal motifs-dependent ER export of Qc-SNARE BET12 interacts with MEMB12 and affects PR1 trafficking in <i>Arabidopsis</i>. Journal of Cell Science, 2018, 131, .	2.0	39
88	Nitric oxide triggers a transient metabolic reprogramming in Arabidopsis. Scientific Reports, 2016, 6, 37945.	3.3	38
89	PPero, a Computational Model for Plant PTS1 Type Peroxisomal Protein Prediction. PLoS ONE, 2017, 12, e0168912.	2.5	38
90	Subnanometer resolution cryo-EM structure of <i>Arabidopsis thaliana</i> ATG9. Autophagy, 2020, 16, 575-583.	9.1	36

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91	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
92	A unique AtSar1D-AtRabD2a nexus modulates autophagosome biogenesis in <i>Arabidopsis thaliana</i>. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	34
93	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
94	Membrane anchors for vacuolar targeting: application in plant bioreactors. Trends in Biotechnology, 2002, 20, 99-102.	9.3	32
95	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
96	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
97	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
98	AtNBR1 Is a Selective Autophagic Receptor for AtExo70E2 in Arabidopsis. Plant Physiology, 2020, 184, 777-791.	4.8	28
99	AtBRO1 Functions in ESCRT-I Complex to Regulate Multivesicular Body Protein Sorting. Molecular Plant, 2016, 9, 760-763.	8.3	27
100	Lhx1/5 control dendritogenesis and spine morphogenesis of Purkinje cells via regulation of Espin. Nature Communications, 2017, 8, 15079.	12.8	26
101	Post-Translational Modifications of Nitrate Reductases Autoregulates Nitric Oxide Biosynthesis in Arabidopsis. International Journal of Molecular Sciences, 2021, 22, 549.	4.1	26
102	Role of Plant Peroxisomes in the Production of Jasmonic Acid-Based Signals. Sub-Cellular Biochemistry, 2013, 69, 299-313.	2.4	26
103	Nitric oxide modulates sensitivity to ABA. Plant Signaling and Behavior, 2010, 5, 314-316.	2.4	25
104	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
105	TM9SF4 is a novel factor promoting autophagic flux under amino acid starvation. Cell Death and Differentiation, 2018, 25, 368-379.	11.2	25
106	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
107	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
108	The Multivesicular Body and Autophagosome Pathways in Plants. Frontiers in Plant Science, 2018, 9, 1837.	3.6	24

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109	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
110	Purification and physicochemical characterization of sulfhydrylase from Chlamydomonas reinhardtii. Plant Science, 1987, 53, 93-99.	3.6	22
111	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
112	Preservation of microvascular barrier function requires CD31 receptor-induced metabolic reprogramming. Nature Communications, 2020, 11, 3595.	12.8	22
113	Structural basis of substrate recognition and thermal protection by a small heat shock protein. Nature Communications, 2021, 12, 3007.	12.8	22
114	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 <i>Arabidopsis</i> Vacuolar Sorting Receptor. Plant Cell, 2014, 26, 3693-3708.	6.6	21
115	Phaseâ€Separated Multienzyme Compartmentalization for Terpene Biosynthesis in a Prokaryote. Angewandte Chemie - International Edition, 2022, 61, .	13.8	21
116	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
117	ER-Phagy and ER Stress Response (ERSR) in Plants. Frontiers in Plant Science, 2019, 10, 1192.	3.6	20
118	RST1 Is a FREE1 Suppressor That Negatively Regulates Vacuolar Trafficking in Arabidopsis. Plant Cell, 2019, 31, 2152-2168.	6.6	20
119	A plantâ€unique ESCRT component, FYVE4, regulates multivesicular endosome biogenesis and plant growth. New Phytologist, 2021, 231, 193-209.	7.3	20
120	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
121	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
122	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
123	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
124	Plant Rho GTPase signaling promotes autophagy. Molecular Plant, 2021, 14, 905-920.	8.3	18
125	Origin of the Autophagosomal Membrane in Plants. Frontiers in Plant Science, 2016, 7, 1655.	3.6	17
126	The interplay between endomembranes and autophagy in plants. Current Opinion in Plant Biology, 2019, 52, 14-22.	7.1	17

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127	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
128	Mammalian cells use the autophagy process to restrict avian influenza virus replication. Cell Reports, 2021, 35, 109213.	6.4	17
129	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
130	A distinct giant coat protein complex II vesicle population in Arabidopsis thaliana. Nature Plants, 2021, 7, 1335-1346.	9.3	15
131	Arabidopsis HOPS subunit VPS41 carries out plant-specific roles in vacuolar transport and vegetative growth. Plant Physiology, 2022, 189, 1416-1434.	4.8	14
132	TRPM2 Promotes Atherosclerotic Progression in a Mouse Model of Atherosclerosis. Cells, 2022, 11, 1423.	4.1	14
133	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
134	TRPM2 promotes autophagic degradation in vascular smooth muscle cells. Scientific Reports, 2020, 10, 20719.	3.3	13
135	Membrane imaging in the plant endomembrane system. Plant Physiology, 2021, 185, 562-576.	4.8	13
136	Aortic Baroreceptors Display Higher Mechanosensitivity than Carotid Baroreceptors. Frontiers in Physiology, 2016, 7, 384.	2.8	12
137	MYB106 is a negative regulator and a substrate for CRL3^{BPM} E3 ligase in regulating flowering time in <i>Arabidopsis thaliana</i>. Journal of Integrative Plant Biology, 2021, 63, 1104-1119.	8.5	12
138	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
139	Mechanistic insights into an atypical interaction between ATG8 and SH3P2 in<i>Arabidopsis thaliana</i>. Autophagy, 2022, 18, 1350-1366.	9.1	12
140	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
141	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
142	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
143	Correlation of vacuole morphology with stomatal lineage development by whole-cell electron tomography. Plant Physiology, 2022, 188, 2085-2100.	4.8	11
144	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

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145	Valine-Glutamine Proteins in Plant Responses to Oxygen and Nitric Oxide. Frontiers in Plant Science, 2020, 11, 632678.	3.6	10
146	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
147	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
148	Intracellular Levels and Regulation of O-Acetyl-L-Serine Sulfhydrylase Activity in Chlamydomonas reinhardtii. Journal of Plant Physiology, 1988, 132, 618-622.	3.5	9
149	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
150	Structural Biology and Electron Microscopy of the Autophagy Molecular Machinery. Cells, 2019, 8, 1627.	4.1	9
151	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
152	Systematic prediction of autophagyâ€related proteins using <i>Arabidopsis thaliana</i> interactome data. Plant Journal, 2021, 105, 708-720.	5.7	9
153	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
154	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
155	The plant ESCRT component FREE1 regulates peroxisome-mediated turnover of lipid droplets in germinating <i>Arabidopsis</i> seedlings. Plant Cell, 2022, 34, 4255-4273.	6.6	9
156	Peroxisome proliferation in Arabidopsis. Plant Signaling and Behavior, 2008, 3, 671-673.	2.4	8
157	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
158	NIN-like protein7 and PROTEOLYSIS6 functional interaction enhances tolerance to sucrose, ABA, and submergence. Plant Physiology, 2021, 187, 2731-2748.	4.8	8
159	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
160	Protein Tyrosine Nitration in Plant Nitric Oxide Signaling. Frontiers in Plant Science, 2022, 13, 859374.	3.6	8
161	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
162	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

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163	Membrane Contact Sites and Organelles Interaction in Plant Autophagy. Frontiers in Plant Science, 2020, 11, 477.	3.6	7
164	COPII vesicles in plant autophagy and endomembrane trafficking. FEBS Letters, 2022, 596, 2314-2323.	2.8	7
165	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
166	New insights into AtNBR1 as a selective autophagy cargo receptor in Arabidopsis. Plant Signaling and Behavior, 2021, 16, 1839226.	2.4	6
167	MYB117 is a negative regulator of flowering time in Arabidopsis. Plant Signaling and Behavior, 2021, 16, 1901448.	2.4	6
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