

Caiji Gao

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,677
citations

236925

25
h-index

189892

50
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53
all docs

53
docs citations

53
times ranked

2925
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	A BAR-Domain Protein SH3P2, Which Binds to Phosphatidylinositol 3-Phosphate and ATG8, Regulates Autophagosome Formation in <i>Arabidopsis</i> . Plant Cell, 2013, 25, 4596-4615.	6.6	195
3	A Unique Plant ESCRT Component, FREE1, Regulates Multivesicular Body Protein Sorting and Plant Growth. Current Biology, 2014, 24, 2556-2563.	3.9	194
4	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
5	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
6	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
7	Biogenesis of Plant Prevacuolar Multivesicular Bodies. Molecular Plant, 2016, 9, 774-786.	8.3	115
8	Plant ESCRT Complexes: Moving Beyond Endosomal Sorting. Trends in Plant Science, 2017, 22, 986-998.	8.8	109
9	The Golgi-Localized <i>Arabidopsis</i> Endomembrane Protein12 Contains Both Endoplasmic Reticulum Export and Golgi Retention Signals at Its C Terminus. Plant Cell, 2012, 24, 2086-2104.	6.6	98
10	Genetic Analyses of the <i>Arabidopsis</i> ATG1 Kinase Complex Reveal Both Kinase-Dependent and Independent Autophagic Routes during Fixed-Carbon Starvation. Plant Cell, 2019, 31, 2973-2995.	6.6	97
11	A whole-cell electron tomography model of vacuole biogenesis in <i>Arabidopsis</i> root cells. Nature Plants, 2019, 5, 95-105.	9.3	89
12	Retention mechanisms for ER and Golgi membrane proteins. Trends in Plant Science, 2014, 19, 508-515.	8.8	83
13	The <i>Arabidopsis</i> 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
14	HY5-HDA9 Module Transcriptionally Regulates Plant Autophagy in Response to Light-to-Dark Conversion and Nitrogen Starvation. Molecular Plant, 2020, 13, 515-531.	8.3	72
15	The plant ESCRT component FREE1 shuttles to the nucleus to attenuate abscisic acid signalling. Nature Plants, 2019, 5, 512-524.	9.3	68
16	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
17	Endocytic and autophagic pathways crosstalk in plants. Current Opinion in Plant Biology, 2015, 28, 39-47.	7.1	65
18	Subcellular localization of rice acyl-CoA-binding proteins (ACBPs) indicates that OsACBP is targeted to the peroxisomes. New Phytologist, 2014, 203, 469-482.	7.3	62

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19	The roles of endomembrane trafficking in plant abiotic stress responses. <i>Journal of Integrative Plant Biology</i> , 2020, 62, 55-69.	8.5	57
20	ARA7(Q69L) expression in transgenic Arabidopsis cells induces the formation of enlarged multivesicular bodies. <i>Journal of Experimental Botany</i> , 2013, 64, 2817-2829.	4.8	47
21	A plant Bro1 domain protein BRAF regulates multivesicular body biogenesis and membrane protein homeostasis. <i>Nature Communications</i> , 2018, 9, 3784.	12.8	41
22	PPero, a Computational Model for Plant PTS1 Type Peroxisomal Protein Prediction. <i>PLoS ONE</i> , 2017, 12, e0168912.	2.5	38
23	Characterization and subcellular localization of histone deacetylases and their roles in response to abiotic stresses in soybean. <i>BMC Plant Biology</i> , 2018, 18, 226.	3.6	38
24	Arabidopsis COG Complex Subunits COG3 and COG8 Modulate Golgi Morphology, Vesicle Trafficking Homeostasis and Are Essential for Pollen Tube Growth. <i>PLoS Genetics</i> , 2016, 12, e1006140.	3.5	33
25	AtBRO1 Functions in ESCRT-I Complex to Regulate Multivesicular Body Protein Sorting. <i>Molecular Plant</i> , 2016, 9, 760-763.	8.3	27
26	Lhx1/5 control dendritogenesis and spine morphogenesis of Purkinje cells via regulation of Espin. <i>Nature Communications</i> , 2017, 8, 15079.	12.8	26
27	MONENSIN SENSITIVITY1 (MON1)/CALCIUM CAFFEINE ZINC SENSITIVITY1 (CCZ1)-Mediated Rab7 Activation Regulates Tapetal Programmed Cell Death and Pollen Development. <i>Plant Physiology</i> , 2017, 173, 206-218.	4.8	25
28	SINAT E3 ligases regulate the stability of the ESCRT component FREE1 in response to iron deficiency in plants. <i>Journal of Integrative Plant Biology</i> , 2020, 62, 1399-1417.	8.5	25
29	Protein trafficking in plant cells: Tools and markers. <i>Science China Life Sciences</i> , 2020, 63, 343-363.	4.9	24
30	Î±2-COP is involved in early secretory traffic in Arabidopsis and is required for plant growth. <i>Journal of Experimental Botany</i> , 2016, 68, erw446.	4.8	22
31	RST1 Is a FREE1 Suppressor That Negatively Regulates Vacuolar Trafficking in Arabidopsis. <i>Plant Cell</i> , 2019, 31, 2152-2168.	6.6	20
32	A plantâ€unique ESCRT component, FYVE4, regulates multivesicular endosome biogenesis and plant growth. <i>New Phytologist</i> , 2021, 231, 193-209.	7.3	20
33	Fast-Suppressor Screening for New Components in Protein Trafficking, Organelle Biogenesis and Silencing Pathway in Arabidopsis thaliana Using DEX-Inducible FREE1-RNAi Plants. <i>Journal of Genetics and Genomics</i> , 2015, 42, 319-330.	3.9	18
34	Transcriptional and Epigenetic Regulation of Autophagy in Plants. <i>Trends in Genetics</i> , 2020, 36, 676-688.	6.7	18
35	Knowns and unknowns of plasma membrane protein degradation in plants. <i>Plant Science</i> , 2018, 272, 55-61.	3.6	17
36	A Combinatorial Reporter Set to Visualize the Membrane Contact Sites Between Endoplasmic Reticulum and Other Organelles in Plant Cell. <i>Frontiers in Plant Science</i> , 2020, 11, 1280.	3.6	16

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37	Genome-wide Identification and Characterization of FCS-Like Zinc Finger (FLZ) Family Genes in Maize (<i>Zea mays</i>) and Functional Analysis of ZmFLZ25 in Plant Abscisic Acid Response. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3529.	4.1	14
38	Plant ESCRT protein ALIX coordinates with retromer complex in regulating receptor-mediated sorting of soluble vacuolar proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2200492119.	7.1	12
39	ESCRT-dependent vacuolar sorting and degradation of the auxin biosynthetic enzyme YUC1 flavin monooxygenase. <i>Journal of Integrative Plant Biology</i> , 2019, 61, 968-973.	8.5	9
40	The plant ESCRT component FREE1 regulates peroxisome-mediated turnover of lipid droplets in germinating <i>Arabidopsis</i> seedlings. <i>Plant Cell</i> , 2022, 34, 4255-4273.	6.6	9
41	Using Fluorescent Protein Fusions to Study Protein Subcellular Localization and Dynamics in Plant Cells. <i>Methods in Molecular Biology</i> , 2016, 1474, 113-123.	0.9	8
42	Autophagy Mediates the Degradation of Plant ESCRT Component FREE1 in Response to Iron Deficiency. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8779.	4.1	7
43	New insights into AtNBR1 as a selective autophagy cargo receptor in <i>Arabidopsis</i> . <i>Plant Signaling and Behavior</i> , 2021, 16, 1839226.	2.4	6
44	Leucine-rich repeat receptor-like protein kinase AtORPK1 promotes oxidative stress resistance in an AtORPK1-AtKAPP mediated module in <i>Arabidopsis</i> . <i>Plant Science</i> , 2022, 315, 111147.	3.6	6
45	Shedding Light on the Role of Phosphorylation in Plant Autophagy. <i>FEBS Letters</i> , 2022, 596, 2172-2185.	2.8	5
46	MLKs kinases phosphorylate the ESCRT component FREE1 to suppress abscisic acid sensitivity of seedling establishment. <i>Plant, Cell and Environment</i> , 2022, 45, 2004-2018.	5.7	4
47	Analysis of Golgi-Mediated Protein Traffic in Plant Cells. <i>Methods in Molecular Biology</i> , 2017, 1662, 75-86.	0.9	3
48	Analysis of Prevacuolar Compartment-Mediated Vacuolar Proteins Transport. <i>Methods in Molecular Biology</i> , 2014, 1209, 119-129.	0.9	2
49	Functional Analysis of Plant FYVE Domain Proteins in Endosomal Trafficking. <i>Methods in Molecular Biology</i> , 2020, 2177, 83-94.	0.9	2
50	ABA INSENSITIVE 5 confers geminivirus resistance via suppression of the viral promoter activity in plants. <i>Journal of Plant Physiology</i> , 2022, 275, 153742.	3.5	2