Kohki Yoshimoto

List of Publications by Year
in descending order

45	8,178	172457	254184
papers	citations	29 h-index	43 g-index

45	45	45	13019
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
2	Processing of ATG8s, Ubiquitin-Like Proteins, and Their Deconjugation by ATG4s Are Essential for Plant Autophagy. Plant Cell, 2004, 16, 2967-2983.	6.6	540
3	Autophagy Negatively Regulates Cell Death by Controlling NPR1-Dependent Salicylic Acid Signaling during Senescence and the Innate Immune Response inArabidopsisÂ Â. Plant Cell, 2009, 21, 2914-2927.	6.6	531
4	Non-invasive quantitative detection and applications of non-toxic, S65T-type green fluorescent protein in living plants. Plant Journal, 1999, 18, 455-463.	5.7	381
5	Autophagy in Development and Stress Responses of Plants. Autophagy, 2006, 2, 2-11.	9.1	327
6	Mobilization of Rubisco and Stroma-Localized Fluorescent Proteins of Chloroplasts to the Vacuole by anATGGene-Dependent Autophagic Process Â. Plant Physiology, 2008, 148, 142-155.	4.8	325
7	Autophagy Plays a Role in Chloroplast Degradation during Senescence in Individually Darkened Leaves Â Â. Plant Physiology, 2009, 149, 885-893.	4.8	313
8	Autophagy, plant senescence, and nutrient recycling. Journal of Experimental Botany, 2014, 65, 3799-3811.	4.8	283
9	Autophagy machinery controls nitrogen remobilization at the wholeâ€plant level under both limiting and ample nitrate conditions in Arabidopsis. New Phytologist, 2012, 194, 732-740.	7.3	243
10	Highly Oxidized Peroxisomes Are Selectively Degraded via Autophagy in Arabidopsis. Plant Cell, 2013, 25, 4967-4983.	6.6	195
11	AtATG Genes, Homologs of Yeast Autophagy Genes, are Involved in Constitutive Autophagy in Arabidopsis Root Tip Cells. Plant and Cell Physiology, 2006, 47, 1641-1652.	3.1	175
12	An Arabidopsis Homolog of Yeast ATG6/VPS30 Is Essential for Pollen Germination. Plant Physiology, 2007, 143, 1132-1139.	4.8	149
13	Beginning to Understand Autophagy, an Intracellular Self-Degradation System in Plants. Plant and Cell Physiology, 2012, 53, 1355-1365.	3.1	144
14	Physiological and metabolic consequences of autophagy deficiency for the management of nitrogen and protein resources in Arabidopsis leaves depending on nitrate availability. New Phytologist, 2013, 199, 683-694.	7.3	143
15	Stitching together the Multiple Dimensions of Autophagy Using Metabolomics and Transcriptomics Reveals Impacts on Metabolism, Development, and Plant Responses to the Environment inArabidopsisÂ Â. Plant Cell, 2014, 26, 1857-1877.	6.6	134
16	The Rab GTPase RabG3b functions in autophagy and contributes to tracheary element differentiation in Arabidopsis. Plant Journal, 2010, 64, no-no.	5.7	121
17	Quality control of plant peroxisomes in organ specific manner via autophagy. Journal of Cell Science, 2014, 127, 1161-8.	2.0	105
18	The Crystal Structure of Plant ATG12 and its Biological Implication in Autophagy. Autophagy, 2005, 1, 119-126.	9.1	104

#	Article	IF	Citations
19	In Vitro Reconstitution of Plant Atg8 and Atg12 Conjugation Systems Essential for Autophagy. Journal of Biological Chemistry, 2008, 283, 1921-1928.	3.4	103
20	OsATG10b, an Autophagosome Component, Is Needed for Cell Survival against Oxidative Stresses in Rice. Molecules and Cells, 2009, 27, 67-74.	2.6	98
21	Unveiling the molecular mechanisms of plant autophagy â€“ from autophagosomes to vacuoles in plants. Plant and Cell Physiology, 2018, 59, 1337-1344.	3.1	83
22	Autophagy in plants and phytopathogens. FEBS Letters, 2010, 584, 1350-1358.	2.8	67
23	Assessment and Optimization of Autophagy Monitoring Methods in Arabidopsis Roots Indicate Direct Fusion of Autophagosomes with Vacuoles. Plant and Cell Physiology, 2014, 55, 715-726.	3.1	67
24	Autophagy controls resource allocation and protein storage accumulation in Arabidopsis seeds. Journal of Experimental Botany, 2018, 69, 1403-1414.	4.8	64
25	Autophagy as a possible mechanism for micronutrient remobilization from leaves to seeds. Frontiers in Plant Science, 2014, 5, 11.	3.6	62
26	Autophagy and Nutrients Management in Plants. Cells, 2019, 8, 1426.	4.1	50
27	Chloroplasts are partially mobilized to the vacuole by autophagy. Autophagy, 2008, 4, 961-962.	9.1	44
28	Autophagy Increases Zinc Bioavailability to Avoid Light-Mediated Reactive Oxygen Species Production under Zinc Deficiency. Plant Physiology, 2020, 182, 1284-1296.	4.8	41
29	A possible involvement of autophagy in amyloplast degradation in columella cells during hydrotropic response of Arabidopsis roots. Planta, 2012, 236, 999-1012.	3.2	37
30	Plant autophagy puts the brakes on cell death by controlling salicylic acid signaling. Autophagy, 2010, 6, 192-193.	9.1	22
31	Role of chloroplasts and other plastids in ageing and death of plants and animals: A tale of Vishnu and Shiva. Ageing Research Reviews, 2010, 9, 117-130.	10.9	21
32	Plant autophagy is responsible for peroxisomal transition and plays an important role in the maintenance of peroxisomal quality. Autophagy, 2014, 10, 936-937.	9.1	14
33	Ammonium stress increases microautophagic activity while impairing macroautophagic flux in Arabidopsis roots. Plant Journal, 2021, 105, 1083-1097.	5.7	13
34	Thaumatin-like proteins and a cysteine protease inhibitor secreted by the pine wood nematode Bursaphelenchus xylophilus induce cell death in Nicotiana benthamiana. PLoS ONE, 2020, 15, e0241613.	2.5	12
35	RCB-mediated chlorophagy caused by oversupply of nitrogen suppresses phosphate-starvation stress in plants. Plant Physiology, 2021, 185, 318-330.	4.8	12
36	Autophagy balances the zincâ€“iron seesaw caused by Zn-stress. Trends in Plant Science, 2021, 26, 882-884.	8.8	10

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37	Optimal Distribution of Iron to Sink Organs via Autophagy Is Important for Tolerance to Excess Zinc in Arabidopsis. Plant and Cell Physiology, 2021, 62, 515-527.	3.1	7
38	Autophagy triggered by ironâ€mediated <scp>ER</scp> stress is an important stress response to the early phase of Pi starvation in plants. Plant Journal, 2022, 110, 1370-1381.	5.7	5
39	A proposed role for endomembrane trafficking processes in regulating tonoplast content and vacuole dynamics under ammonium stress conditions in Arabidopsis root cells. Plant Signaling and Behavior, 2021, 16, 1924977.	2.4	4
40	Physiological roles of autophagy in plants: Does plant autophagy have a pro-death function?. Plant Signaling and Behavior, 2010, 5, 494-496.	2.4	3
41	Importance of non-systemic leaf autophagy for suppression of zinc starvation induced-chlorosis. Plant Signaling and Behavior, 2020, 15, 1746042.	2.4	2
42	Editorial: Organelle Autophagy in Plant Development. Frontiers in Plant Science, 2020, 11, 502.	3.6	1
43	A Novel Selection Method Based on the Expression Level of Green Fluorescent Protein Measured with a Quantitative Fluorescence Imager. Plant Biotechnology, 2003, 20, 165-168.	1.0	1
44	Visualization of Rubisco-Containing Bodies Derived from Chloroplasts in Living Cells of Arabidopsis. , 2008, , 1207-1210.		0
45	The role of reticulophagy under early phase phosphate starvation in plant cells. , 2022, 1, 256-259.		0