

Ohkmae K Park

List of Publications by Year in descending order

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45
papers

11,799
citations

117625

34
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223800

46
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48
all docs

48
docs citations

48
times ranked

24501
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
3	Analysis of the Arabidopsis nuclear proteome and its response to cold stress. <i>Plant Journal</i> , 2003, 36, 652-663.	5.7	339
4	Secretome Analysis Reveals an Arabidopsis Lipase Involved in Defense against <i>Alternaria brassicicola</i> . <i>Plant Cell</i> , 2005, 17, 2832-2847.	6.6	323
5	Proteomic Identification of Annexins, Calcium-Dependent Membrane Binding Proteins That Mediate Osmotic Stress and Abscisic Acid Signal Transduction in Arabidopsis. <i>Plant Cell</i> , 2004, 16, 1378-1391.	6.6	276
6	Two Arabidopsis 3-oxoacyl-CoA synthase genes, <i>KCS20</i> and <i>KCS2</i> / <i>DAISY</i> , are functionally redundant in cuticular wax and root suberin biosynthesis, but differentially controlled by osmotic stress. <i>Plant Journal</i> , 2009, 60, 462-475.	5.7	263
7	Lignin-based barrier restricts pathogens to the infection site and confers resistance in plants. <i>EMBO Journal</i> , 2019, 38, e101948.	7.8	198
8	Interaction of the Arabidopsis Receptor Protein Kinase Wak1 with a Glycine-rich Protein, AtGRP-3. <i>Journal of Biological Chemistry</i> , 2001, 276, 26688-26693.	3.4	183
9	Disruption of Glycosylphosphatidylinositol-Anchored Lipid Transfer Protein Gene Altered Cuticular Lipid Composition, Increased Plastoglobules, and Enhanced Susceptibility to Infection by the Fungal Pathogen <i>Alternaria brassicicola</i> . <i>Plant Physiology</i> , 2009, 150, 42-54.	4.8	182
10	GDSL lipase-like 1 regulates systemic resistance associated with ethylene signaling in Arabidopsis. <i>Plant Journal</i> , 2009, 58, 235-245.	5.7	175
11	<i>Arabidopsis</i> Annexin1 Mediates the Radical-Activated Plasma Membrane Ca ²⁺ - and K ⁺ -Permeable Conductance in Root Cells. <i>Plant Cell</i> , 2012, 24, 1522-1533.	6.6	173
12	Arabidopsis GDSL lipase 2 plays a role in pathogen defense via negative regulation of auxin signaling. <i>Biochemical and Biophysical Research Communications</i> , 2009, 379, 1038-1042.	2.1	157
13	Arabidopsis Annexins AnnAt1 and AnnAt4 Interact with Each Other and Regulate Drought and Salt Stress Responses. <i>Plant and Cell Physiology</i> , 2010, 51, 1499-1514.	3.1	135
14	The Rab GTPase RabG3b functions in autophagy and contributes to tracheary element differentiation in Arabidopsis. <i>Plant Journal</i> , 2010, 64, no-no.	5.7	121
15	The Rab GTPase RabG3b Positively Regulates Autophagy and Immunity-Associated Hypersensitive Cell Death in Arabidopsis. <i>Plant Physiology</i> , 2013, 161, 1722-1736.	4.8	114
16	The Arabidopsis Cysteine-Rich Receptor-Like Kinase CRK36 Regulates Immunity through Interaction with the Cytoplasmic Kinase BIK1. <i>Frontiers in Plant Science</i> , 2017, 8, 1856.	3.6	95
17	Proteomics studies of post-translational modifications in plants. <i>Journal of Experimental Botany</i> , 2006, 57, 1547-1551.	4.8	88
18	An <i>Arabidopsis</i> NAC transcription factor NAC4 promotes pathogen-induced cell death under negative regulation by microRNA164. <i>New Phytologist</i> , 2017, 214, 343-360.	7.3	82

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19	Role of the Methionine Sulfoxide Reductase MsrB3 in Cold Acclimation in Arabidopsis. <i>Plant and Cell Physiology</i> , 2007, 48, 1713-1723.	3.1	80
20	Autophagy deficiency leads to accumulation of ubiquitinated proteins, ER stress, and cell death in <i>Arabidopsis</i> . <i>Autophagy</i> , 2014, 10, 1579-1587.	9.1	75
21	Delayed degradation of chlorophylls and photosynthetic proteins in Arabidopsis autophagy mutants during stress-induced leaf yellowing. <i>Journal of Experimental Botany</i> , 2014, 65, 3915-3925.	4.8	69
22	GDSL LIPASE1 Modulates Plant Immunity through Feedback Regulation of Ethylene Signaling. <i>Plant Physiology</i> , 2013, 163, 1776-1791.	4.8	66
23	MODIFIED VACUOLE PHENOTYPE1 Is an Arabidopsis Myrosinase-Associated Protein Involved in Endomembrane Protein Trafficking. <i>Plant Physiology</i> , 2009, 152, 120-132.	4.8	57
24	Oxygen-evolving enhancer protein 2 is phosphorylated by glycine-rich protein 3/wall-associated kinase 1 in Arabidopsis. <i>Biochemical and Biophysical Research Communications</i> , 2003, 305, 862-868.	2.1	54
25	Proteomic Studies in Plants. <i>BMB Reports</i> , 2004, 37, 133-138.	2.4	53
26	Autophagy in plants. <i>Journal of Plant Biology</i> , 2008, 51, 313-320.	2.1	52
27	GDSL lipase 1 regulates ethylene signaling and ethylene-associated systemic immunity in <i>Arabidopsis</i> . <i>FEBS Letters</i> , 2014, 588, 1652-1658.	2.8	52
28	The Arabidopsis R2R3 MYB Transcription Factor MYB15 Is a Key Regulator of Lignin Biosynthesis in Effector-Triggered Immunity. <i>Frontiers in Plant Science</i> , 2020, 11, 583153.	3.6	51
29	AP2/ERF Family Transcription Factors ORA59 and RAP2.3 Interact in the Nucleus and Function Together in Ethylene Responses. <i>Frontiers in Plant Science</i> , 2018, 9, 1675.	3.6	49
30	Functional study of hot pepper 26S proteasome subunit RPN7 induced by Tobacco mosaic virus from nuclear proteome analysis. <i>Biochemical and Biophysical Research Communications</i> , 2006, 351, 405-411.	2.1	47
31	Dimer Stability as a Determinant of Differential DNA Binding Activity of Stat3 Isoforms. <i>Journal of Biological Chemistry</i> , 2000, 275, 32244-32249.	3.4	44
32	Lipases associated with plant defense against pathogens. <i>Plant Science</i> , 2019, 279, 51-58.	3.6	40
33	Role of Arabidopsis RabG3b and autophagy in tracheary element differentiation. <i>Autophagy</i> , 2010, 6, 1187-1189.	9.1	38
34	In Vivo Determination of Substrate Specificity of Hepatitis C Virus NS3 Protease: Genetic Assay for Site-Specific Proteolysis. <i>Analytical Biochemistry</i> , 2000, 284, 42-48.	2.4	35
35	Selection of Arabidopsis genes encoding secreted and plasma membrane proteins. <i>Plant Molecular Biology</i> , 1999, 41, 415-423.	3.9	29
36	Metal-Catalyzed Oxidation of Phenylalanine-Sensitive 3-Deoxy- <i>D</i> -Heptulosonate-7-Phosphate Synthase from <i>Escherichia coli</i> : Inactivation and Destabilization by Oxidation of Active-Site Cysteines. <i>Journal of Bacteriology</i> , 1999, 181, 1636-1642.	2.2	26

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37	Role of an Arabidopsis Rab GTPase RabG3b in Pathogen Response and Leaf Senescence. <i>Journal of Plant Biology</i> , 2009, 52, 79-87.	2.1	26
38	Phytochrome and Ethylene Signaling Integration in Arabidopsis Occurs via the Transcriptional Regulation of Genes Co-targeted by PIFs and EIN3. <i>Frontiers in Plant Science</i> , 2016, 7, 1055.	3.6	25
39	Overexpression of constitutively active <i>Arabidopsis</i> RabG3b promotes xylem development in transgenic poplars. <i>Plant, Cell and Environment</i> , 2011, 34, 2212-2224.	5.7	24
40	Development of potent inhibitors of the coxsackievirus 3C protease. <i>Biochemical and Biophysical Research Communications</i> , 2007, 358, 7-11.	2.1	19
41	Evaluation of a transgenic poplar as a potential biomass crop for biofuel production. <i>Bioresource Technology</i> , 2013, 129, 639-641.	9.6	19
42	Pathogen-induced autophagy regulates monolignol transport and lignin formation in plant immunity. <i>Autophagy</i> , 2023, 19, 597-615.	9.1	14
43	Integration of floral inductive signals by flowering locus T and suppressor of overexpression of <i>Constans 1</i> . <i>Physiologia Plantarum</i> , 2006, 126, 060127022051003-???	5.2	11
44	The transcription factor ORA59 exhibits dual DNA binding specificity that differentially regulates ethylene- and jasmonic acid-induced genes in plant immunity. <i>Plant Physiology</i> , 2021, 187, 2763-2784.	4.8	11
45	Field evaluation of transgenic poplars expressing the constitutively active small G protein for improved biomass traits. <i>Biomass and Bioenergy</i> , 2018, 109, 16-22.	5.7	3