Hye Sun Cho

List of Publications by Year
in descending order

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		257450	254184
71	2,079	24	43
papers	citations	h-index	g-index

73	73	73	2627
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A chloroplast cyclophilin functions in the assembly and maintenance of photosystem II in Arabidopsis thaliana. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 15947-15952.	7.1	162
2	Near-UV cyanobacteriochrome signaling system elicits negative phototaxis in the cyanobacterium Synechocystis sp. PCC 6803. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10780-10785.	7.1	162
3	Characterization of NtCDPK1, a calcium-dependent protein kinase gene in Nicotiana tabacum, and the activity of its encoded protein. Plant Molecular Biology, 1999, 39, 991-1001.	3.9	134
4	Interaction of NtCDPK1 calcium-dependent protein kinase with NtRpn3 regulatory subunit of the 26S proteasome inNicotiana tabacum. Plant Journal, 2003, 33, 825-840.	5.7	113
5	CaMsrB2, Pepper Methionine Sulfoxide Reductase B2, Is a Novel Defense Regulator against Oxidative Stress and Pathogen Attack. Plant Physiology, 2010, 154, 245-261.	4.8	86
6	DNA Gyrase Is Involved in Chloroplast Nucleoid Partitioning. Plant Cell, 2004, 16, 2665-2682.	6.6	80
7	Classification of rice (Oryza sativa. japonica nipponbare) immunophilins (FKBPs, CYPs) and expression patterns under water stress. BMC Plant Biology, 2010, 10, 253.	3.6	78
8	CHRK1, a Chitinase-Related Receptor-Like Kinase in Tobacco. Plant Physiology, 2000, 123, 905-916.	4.8	68
9	Development of Systems for the Production of Plant-Derived Biopharmaceuticals. Plants, 2020, 9, 30.	3.5	67
10	Capsicum annuum CCR4-associated factor CaCAF1 is necessary for plant development and defence response. Plant Journal, 2007, 51, 792-802.	5.7	65
11	Pepper EST database: comprehensive in silico tool for analyzing the chili pepper (Capsicum annuum) transcriptome. BMC Plant Biology, 2008, 8, 101.	3.6	54
12	Overexpression ofOsCYP19-4increases tolerance to cold stress and enhances grain yield in rice (Oryza sativa). Journal of Experimental Botany, 2016, 67, 69-82.	4.8	51
13	Tomato plants overexpressing CaKR1 enhanced tolerance to salt and oxidative stress. Biochemical and Biophysical Research Communications, 2007, 363, 983-988.	2.1	47
14	CHRK1, a chitinase-related receptor-like kinase, interacts with NtPUB4, an armadillo repeat protein, in tobacco. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2003, 1651, 50-59.	2.3	45
15	The rice thylakoid lumenal cyclophilin OsCYP20-2 confers enhanced environmental stress tolerance in tobacco and Arabidopsis. Plant Cell Reports, 2012, 31, 417-426.	5.6	45
16	Characterization of a Stress-Responsive Ankyrin Repeat-Containing Zinc Finger Protein of Capsicum annuum (CaKR1). BMB Reports, 2007, 40, 952-958.	2.4	41
17	Use of Heat Stress Responsive Gene Expression Levels for Early Selection of Heat Tolerant Cabbage (Brassica oleracea L.). International Journal of Molecular Sciences, 2013, 14, 11871-11894.	4.1	39
18	<scp>PIN</scp>â€mediated polar auxin transport facilitates rootâ˜obstacle avoidance. New Phytologist, 2020, 225, 1285-1296.	7.3	39

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19	Rice cyclophilin OsCYP18â€2 is translocated to the nucleus by an interaction with SKIP and enhances drought tolerance in rice and Arabidopsis. Plant, Cell and Environment, 2015, 38, 2071-2087.	5.7	37
20	Inactivation of Organellar Glutamyl- and Seryl-tRNA Synthetases Leads to Developmental Arrest of Chloroplasts and Mitochondria in Higher Plants. Journal of Biological Chemistry, 2005, 280, 37098-37106.	3.4	35
21	RNA-Seq Analysis and De Novo Transcriptome Assembly of Jerusalem Artichoke (Helianthus tuberosus) Tj ETQq1 1 0.784314 rgBT /Ov	2.5	31
22	CHRK1, a chitinase-related receptor-like kinase, plays a role in plant development and cytokinin homeostasis in tobacco. Plant Molecular Biology, 2003, 53, 877-890.	3.9	29
23	OsCYP21-4, a novel Golgi-resident cyclophilin, increases oxidative stress tolerance in rice. Frontiers in Plant Science, 2015, 6, 797.	3.6	26
24	Identification of Flowering-Related Genes Responsible for Differences in Bolting Time between Two Radish Inbred Lines. Frontiers in Plant Science, 2016, 7, 1844.	3.6	26
25	Construction of SARS-CoV-2 virus-like particles in plant. Scientific Reports, 2022, 12, 1005.	3.3	26
26	<scp>AtFKBP16</scp>â€1, a chloroplast lumenal immunophilin, mediates response to photosynthetic stress by regulating <scp>PsaL</scp> stability. Physiologia Plantarum, 2014, 150, 620-631.	5.2	25
27	The Last Ten Years of Advancements in Plant-Derived Recombinant Vaccines against Hepatitis B. International Journal of Molecular Sciences, 2016, 17, 1715.	4.1	24
28	Highly efficient plant regeneration and Agrobacterium-mediated transformation of Helianthus tuberosus L.. Industrial Crops and Products, 2016, 83, 670-679.	5.2	24
29	Transcriptome Profiling and Characterization of Drought-Tolerant Potato Plant (L.). Molecules and Cells, 2018, 41, 979-992.	2.6	24
30	Expression patterns of diverse genes in response to gamma irradiation inNicotiana tabacum. Journal of Plant Biology, 2000, 43, 82-87.	2.1	23
31	A novel WD40 protein, BnSWD1, is involved in salt stress in Brassica napus. Plant Biotechnology Reports, 2010, 4, 165-172.	1.5	23
32	OsFKBP20â€1b interacts with the splicing factor OsSR45 and participates in the environmental stress response at the postâ€transcriptional level in rice. Plant Journal, 2020, 102, 992-1007.	5.7	21
33	Multiple genes encoding serine/threonine protein phosphatases and their differential expression in Nicotiana tabacum. Plant Molecular Biology, 1998, 36, 315-322.	3.9	20
34	The OsCYP19-4 Gene Is Expressed as Multiple Alternatively Spliced Transcripts Encoding Isoforms with Distinct Cellular Localizations and PPIase Activities under Cold Stress. International Journal of Molecular Sciences, 2016, 17, 1154.	4.1	20
35	Induction of enhanced tolerance to cold stress and disease by overexpression of the pepper CaPIF1 gene in tomato. Physiologia Plantarum, 2007, 129, 555-566.	5.2	19
36	A Rice Immunophilin Gene, OsFKBP16-3, Confers Tolerance to Environmental Stress in Arabidopsis and Rice. International Journal of Molecular Sciences, 2013, 14, 5899-5919.	4.1	15

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37	Overexpression of Golgi Protein CYP21-4s Improves Crop Productivity in Potato and Rice by Increasing the Abundance of Mannosidic Glycoproteins. Frontiers in Plant Science, 2017, 8, 1250.	3.6	15
38	Silencing of a BYPASS1 homolog results in root-independent pleiotrophic developmental defects in Nicotiana benthamiana. Plant Molecular Biology, 2008, 68, 423-437.	3.9	13
39	Gibberellin Promotes Bolting and Flowering via the Floral Integrators RsFT and RsSOC1-1 under Marginal Vernalization in Radish. Plants, 2020, 9, 594.	3.5	13
40	Cucumber Pti1-L is a cytoplasmic protein kinase involved in defense responses and salt tolerance. Journal of Plant Physiology, 2014, 171, 817-822.	3.5	11
41	Comparative proteomic analysis of host responses to Plasmodiophora brassicae infection in susceptible and resistant Brassica oleracea. Plant Biotechnology Reports, 2020, 14, 263-274.	1.5	11
42	Comparison of Major Nutrients in Eels Anguilla japonica Cultured with Different Formula Feeds or at Different Farms. Fisheries and Aquatic Sciences, 2013, 16, 85-92.	0.8	11
43	A novel dual-specificity protein kinase targeted to the chloroplast in tobacco1. FEBS Letters, 2001, 497, 124-130.	2.8	10
44	Nicotiana benthamiana Matrix Metalloprotease 1 (NMMP1) gene confers disease resistance to Phytophthora infestans in tobacco and potato plants. Journal of Plant Physiology, 2017, 218, 189-195.	3.5	10
45	Genome-wide Analysis of Alternative Splicing in An Inbred Cabbage (Brassica oleracea L.) Line â€˜HOâ€™ in Response to Heat Stress. Current Genomics, 2017, 19, 12-20.	1.6	10
46	Genome-wide identification of flowering time genes associated with vernalization and the regulatory flowering networks in Chinese cabbage. Plant Biotechnology Reports, 2018, 12, 347-363.	1.5	10
47	A More Accessible, Time-Saving, and Efficient Method for In Vitro Plant Regeneration from Potato Protoplasts. Plants, 2021, 10, 781.	3.5	10
48	Nitrogen Signaling Genes and SOC1 Determine the Flowering Time in a Reciprocal Negative Feedback Loop in Chinese Cabbage (Brassica rapa L.) Based on CRISPR/Cas9-Mediated Mutagenesis of Multiple BrSOC1 Homologs. International Journal of Molecular Sciences, 2021, 22, 4631.	4.1	10
49	Temporally distinct regulatory pathways coordinate thermo-responsive storage organ formation in potato. Cell Reports, 2022, 38, 110579.	6.4	10
50	The Arabidopsis cyclophilin CYP18-1 facilitates PRP18 dephosphorylation and the splicing of introns retained under heat stress. Plant Cell, 2022, 34, 2383-2403.	6.6	10
51	A novel gibberellin 2-oxidase gene CaGA2ox1 in pepper is specifically induced by incompatible plant pathogens. Plant Biotechnology Reports, 2012, 6, 381-390.	1.5	9
52	Comparative transcriptome profiling and SSR marker identification in three Jerusalem artichoke (Helianthus tuberosus L.) cultivars exhibiting phenotypic variation. Plant Biotechnology Reports, 2016, 10, 447-461.	1.5	9
53	Label-free quantitative proteomic analysis determines changes in amino acid and carbohydrate metabolism in three cultivars of Jerusalem artichoke tubers. Plant Biotechnology Reports, 2019, 13, 111-122.	1.5	8
54	Expression of Jerusalem artichoke (Helianthus tuberosus L.) fructosyltransferases, and high fructan accumulation in potato tubers. Applied Biological Chemistry, 2019, 62, .	1.9	8

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55	Genomic detection and molecular characterization of two distinct isolates of cycas necrotic stunt virus from Paeonia suffruticosa and Daphne odora. Virus Genes, 2019, 55, 734-737.	1.6	7
56	Golgi-localized cyclophilin 21 proteins negatively regulate ABA signalling via the peptidyl prolyl isomerase activity during early seedling development. Plant Molecular Biology, 2020, 102, 19-38.	3.9	7
57	FERONIA Confers Resistance to Photooxidative Stress in Arabidopsis. Frontiers in Plant Science, 2021, 12, 714938.	3.6	7
58	SUMO Modification of OsFKBP20-1b Is Integral to Proper Pre-mRNA Splicing upon Heat Stress in Rice. International Journal of Molecular Sciences, 2021, 22, 9049.	4.1	7
59	Efficient plant regeneration from embryogenic cell suspension cultures of Euonymus alatus. Scientific Reports, 2021, 11, 15120.	3.3	6
60	Submergence deactivates wound-induced plant defence against herbivores. Communications Biology, 2020, 3, 651.	4.4	5
61	A single amino acid insertion in LCYB2 deflects carotenoid biosynthesis in red carrot. Plant Cell Reports, 2021, 40, 1793-1795.	5.6	5
62	Complete genome sequence of artemisia virus B, a new polerovirus infecting Artemisia princeps in South Korea. Archives of Virology, 2021, 166, 1495-1499.	2.1	4
63	Suppression of pepper SGT1 and SKP1 causes severe retardation of plant growth and compromises basal resistance. Physiologia Plantarum, 2006, 126, 060217072449001-???.	5.2	3
64	The complete sequence and genome organization of ligustrum virus A, a novel carlavirus. Archives of Virology, 2016, 161, 3593-3596.	2.1	3
65	Complete genome sequence of a tentative new member of the genus Badnavirus identified in Codonopsis lanceolata. Archives of Virology, 2019, 164, 1733-1737.	2.1	3
66	Complete genome sequence and genome organization of achyranthes virus A, a novel member of the genus Potyvirus. Archives of Virology, 2020, 165, 2695-2698.	2.1	3
67	Complete genome sequence of platycodon closterovirus 1, a novel putative member of the genus Closterovirus. Archives of Virology, 2021, 166, 2051-2054.	2.1	3
68	Evaluation of Major Nutrients of Domestic Farmed Eels Anguilla japonica. Han'guk Susan Hakhoe Chi = Bulletin of the Korean Fisheries Society, 2011, 44, 237-242.	0.1	3
69	Physiological and molecular characterization of two inbred radish lines with different bolting times. Journal of Plant Biotechnology, 2015, 42, 215-222.	0.4	1
70	Complete genome sequence and genome organization of scorzonera virus A (SCoVA), a novel member of the genus Potyvirus. Archives of Virology, 2021, 166, 2901-2904.	2.1	0
71	Temporally Distinct Regulatory Pathways Coordinate Thermo-Responsive Storage Organ Formation in Potato. SSRN Electronic Journal, 0, , .	0.4	0