

Hye Sun Cho

List of Publications by Year in descending order

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71
papers

2,079
citations

257450

24
h-index

254184

43
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73
all docs

73
docs citations

73
times ranked

2627
citing authors

#	ARTICLE	IF	CITATIONS
1	Construction of SARS-CoV-2 virus-like particles in plant. <i>Scientific Reports</i> , 2022, 12, 1005.	3.3	26
2	Temporally distinct regulatory pathways coordinate thermo-responsive storage organ formation in potato. <i>Cell Reports</i> , 2022, 38, 110579.	6.4	10
3	The Arabidopsis cyclophilin CYP18-1 facilitates PRP18 dephosphorylation and the splicing of introns retained under heat stress. <i>Plant Cell</i> , 2022, 34, 2383-2403.	6.6	10
4	Complete genome sequence of artemisia virus B, a new polerovirus infecting <i>Artemisia princeps</i> in South Korea. <i>Archives of Virology</i> , 2021, 166, 1495-1499.	2.1	4
5	A More Accessible, Time-Saving, and Efficient Method for In Vitro Plant Regeneration from Potato Protoplasts. <i>Plants</i> , 2021, 10, 781.	3.5	10
6	Nitrogen Signaling Genes and SOC1 Determine the Flowering Time in a Reciprocal Negative Feedback Loop in Chinese Cabbage (<i>Brassica rapa</i> L.) Based on CRISPR/Cas9-Mediated Mutagenesis of Multiple BrSOC1 Homologs. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4631.	4.1	10
7	Complete genome sequence of platycodon closterovirus 1, a novel putative member of the genus Closterovirus. <i>Archives of Virology</i> , 2021, 166, 2051-2054.	2.1	3
8	A single amino acid insertion in LCYB2 deflects carotenoid biosynthesis in red carrot. <i>Plant Cell Reports</i> , 2021, 40, 1793-1795.	5.6	5
9	Efficient plant regeneration from embryogenic cell suspension cultures of <i>Euonymus alatus</i> . <i>Scientific Reports</i> , 2021, 11, 15120.	3.3	6
10	FERONIA Confers Resistance to Photooxidative Stress in Arabidopsis. <i>Frontiers in Plant Science</i> , 2021, 12, 714938.	3.6	7
11	SUMO Modification of OsFKBP20-1b Is Integral to Proper Pre-mRNA Splicing upon Heat Stress in Rice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9049.	4.1	7
12	Complete genome sequence and genome organization of scorzonera virus A (SCoVA), a novel member of the genus Potyvirus. <i>Archives of Virology</i> , 2021, 166, 2901-2904.	2.1	0
13	<scp>PIN</scp>-mediated polar auxin transport facilitates root ² obstacle avoidance. <i>New Phytologist</i> , 2020, 225, 1285-1296.	7.3	39
14	Golgi-localized cyclophilin 21 proteins negatively regulate ABA signalling via the peptidyl prolyl isomerase activity during early seedling development. <i>Plant Molecular Biology</i> , 2020, 102, 19-38.	3.9	7
15	Development of Systems for the Production of Plant-Derived Biopharmaceuticals. <i>Plants</i> , 2020, 9, 30.	3.5	67
16	Submergence deactivates wound-induced plant defence against herbivores. <i>Communications Biology</i> , 2020, 3, 651.	4.4	5
17	Complete genome sequence and genome organization of achyranthes virus A, a novel member of the genus Potyvirus. <i>Archives of Virology</i> , 2020, 165, 2695-2698.	2.1	3
18	Gibberellin Promotes Bolting and Flowering via the Floral Integrators RsFT and RsSOC1-1 under Marginal Vernalization in Radish. <i>Plants</i> , 2020, 9, 594.	3.5	13

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19	Comparative proteomic analysis of host responses to <i>Plasmodiophora brassicae</i> infection in susceptible and resistant <i>Brassica oleracea</i> . <i>Plant Biotechnology Reports</i> , 2020, 14, 263-274.	1.5	11
20	OsFKBP20a ϵ 1b interacts with the splicing factor OsSR45 and participates in the environmental stress response at the post ϵ transcriptional level in rice. <i>Plant Journal</i> , 2020, 102, 992-1007.	5.7	21
21	Genomic detection and molecular characterization of two distinct isolates of cycas necrotic stunt virus from <i>Paeonia suffruticosa</i> and <i>Daphne odora</i> . <i>Virus Genes</i> , 2019, 55, 734-737.	1.6	7
22	Complete genome sequence of a tentative new member of the genus <i>Badnavirus</i> identified in <i>Codonopsis lanceolata</i> . <i>Archives of Virology</i> , 2019, 164, 1733-1737.	2.1	3
23	Label-free quantitative proteomic analysis determines changes in amino acid and carbohydrate metabolism in three cultivars of Jerusalem artichoke tubers. <i>Plant Biotechnology Reports</i> , 2019, 13, 111-122.	1.5	8
24	Expression of Jerusalem artichoke (<i>Helianthus tuberosus</i> L.) fructosyltransferases, and high fructan accumulation in potato tubers. <i>Applied Biological Chemistry</i> , 2019, 62, .	1.9	8
25	Genome-wide identification of flowering time genes associated with vernalization and the regulatory flowering networks in Chinese cabbage. <i>Plant Biotechnology Reports</i> , 2018, 12, 347-363.	1.5	10
26	Transcriptome Profiling and Characterization of Drought-Tolerant Potato Plant (L.). <i>Molecules and Cells</i> , 2018, 41, 979-992.	2.6	24
27	<i>Nicotiana benthamiana</i> Matrix Metalloprotease 1 (NMMP1) gene confers disease resistance to <i>Phytophthora infestans</i> in tobacco and potato plants. <i>Journal of Plant Physiology</i> , 2017, 218, 189-195.	3.5	10
28	Overexpression of Golgi Protein CYP21-4s Improves Crop Productivity in Potato and Rice by Increasing the Abundance of Mannosidic Glycoproteins. <i>Frontiers in Plant Science</i> , 2017, 8, 1250.	3.6	15
29	Genome-wide Analysis of Alternative Splicing in An Inbred Cabbage (<i>Brassica oleracea</i> L.) Line ϵ HO ϵ ™ in Response to Heat Stress. <i>Current Genomics</i> , 2017, 19, 12-20.	1.6	10
30	The OsCYP19-4 Gene Is Expressed as Multiple Alternatively Spliced Transcripts Encoding Isoforms with Distinct Cellular Localizations and PPlase Activities under Cold Stress. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1154.	4.1	20
31	The Last Ten Years of Advancements in Plant-Derived Recombinant Vaccines against Hepatitis B. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1715.	4.1	24
32	Identification of Flowering-Related Genes Responsible for Differences in Bolting Time between Two Radish Inbred Lines. <i>Frontiers in Plant Science</i> , 2016, 7, 1844.	3.6	26
33	Comparative transcriptome profiling and SSR marker identification in three Jerusalem artichoke (<i>Helianthus tuberosus</i> L.) cultivars exhibiting phenotypic variation. <i>Plant Biotechnology Reports</i> , 2016, 10, 447-461.	1.5	9
34	The complete sequence and genome organization of <i>ligustrum virus A</i> , a novel carlavirus. <i>Archives of Virology</i> , 2016, 161, 3593-3596.	2.1	3
35	Overexpression of <i>OsCYP19-4</i> increases tolerance to cold stress and enhances grain yield in rice (<i>Oryza sativa</i>). <i>Journal of Experimental Botany</i> , 2016, 67, 69-82.	4.8	51
36	Highly efficient plant regeneration and <i>Agrobacterium</i> -mediated transformation of <i>Helianthus tuberosus</i> L.. <i>Industrial Crops and Products</i> , 2016, 83, 670-679.	5.2	24

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37	OsCYP21-4, a novel Golgi-resident cyclophilin, increases oxidative stress tolerance in rice. <i>Frontiers in Plant Science</i> , 2015, 6, 797.	3.6	26
38	Rice cyclophilin OsCYP18a2 is translocated to the nucleus by an interaction with SKIP and enhances drought tolerance in rice and <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2015, 38, 2071-2087.	5.7	37
39	Physiological and molecular characterization of two inbred radish lines with different bolting times. <i>Journal of Plant Biotechnology</i> , 2015, 42, 215-222.	0.4	1
40	AtFKBP16-1, a chloroplast luminal immunophilin, mediates response to photosynthetic stress by regulating Psal stability. <i>Physiologia Plantarum</i> , 2014, 150, 620-631.	5.2	25
41	RNA-Seq Analysis and De Novo Transcriptome Assembly of Jerusalem Artichoke (<i>Helianthus tuberosus</i>) Tj ETQq1 1 0,784314 ggBT /Over	2.5	31
42	Cucumber Pti1-L is a cytoplasmic protein kinase involved in defense responses and salt tolerance. <i>Journal of Plant Physiology</i> , 2014, 171, 817-822.	3.5	11
43	Use of Heat Stress Responsive Gene Expression Levels for Early Selection of Heat Tolerant Cabbage (<i>Brassica oleracea</i> L.). <i>International Journal of Molecular Sciences</i> , 2013, 14, 11871-11894.	4.1	39
44	A Rice Immunophilin Gene, OsFKBP16-3, Confers Tolerance to Environmental Stress in <i>Arabidopsis</i> and Rice. <i>International Journal of Molecular Sciences</i> , 2013, 14, 5899-5919.	4.1	15
45	Comparison of Major Nutrients in Eels <i>Anguilla japonica</i> Cultured with Different Formula Feeds or at Different Farms. <i>Fisheries and Aquatic Sciences</i> , 2013, 16, 85-92.	0.8	11
46	A novel gibberellin 2-oxidase gene CaGA2ox1 in pepper is specifically induced by incompatible plant pathogens. <i>Plant Biotechnology Reports</i> , 2012, 6, 381-390.	1.5	9
47	The rice thylakoid luminal cyclophilin OsCYP20-2 confers enhanced environmental stress tolerance in tobacco and <i>Arabidopsis</i> . <i>Plant Cell Reports</i> , 2012, 31, 417-426.	5.6	45
48	Near-UV cyanobacteriochrome signaling system elicits negative phototaxis in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 10780-10785.	7.1	162
49	Evaluation of Major Nutrients of Domestic Farmed Eels <i>Anguilla japonica</i> . <i>Han'guk Susan Hakhoe Chi = Bulletin of the Korean Fisheries Society</i> , 2011, 44, 237-242.	0.1	3
50	A novel WD40 protein, BnSWD1, is involved in salt stress in <i>Brassica napus</i> . <i>Plant Biotechnology Reports</i> , 2010, 4, 165-172.	1.5	23
51	Classification of rice (<i>Oryza sativa japonica nipponbare</i>) immunophilins (FKBPs, CYPs) and expression patterns under water stress. <i>BMC Plant Biology</i> , 2010, 10, 253.	3.6	78
52	CaMsrB2, Pepper Methionine Sulfoxide Reductase B2, Is a Novel Defense Regulator against Oxidative Stress and Pathogen Attack. <i>Plant Physiology</i> , 2010, 154, 245-261.	4.8	86
53	Silencing of a BYPASS1 homolog results in root-independent pleiotrophic developmental defects in <i>Nicotiana benthamiana</i> . <i>Plant Molecular Biology</i> , 2008, 68, 423-437.	3.9	13
54	Pepper EST database: comprehensive in silico tool for analyzing the chili pepper (<i>Capsicum annuum</i>) transcriptome. <i>BMC Plant Biology</i> , 2008, 8, 101.	3.6	54

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55	A chloroplast cyclophilin functions in the assembly and maintenance of photosystem II in <i>Arabidopsis thaliana</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 15947-15952.	7.1	162
56	Tomato plants overexpressing CaKR1 enhanced tolerance to salt and oxidative stress. <i>Biochemical and Biophysical Research Communications</i> , 2007, 363, 983-988.	2.1	47
57	Induction of enhanced tolerance to cold stress and disease by overexpression of the pepper CaPIF1 gene in tomato. <i>Physiologia Plantarum</i> , 2007, 129, 555-566.	5.2	19
58	<i>Capsicum annuum</i> CCR4-associated factor CaCAF1 is necessary for plant development and defence response. <i>Plant Journal</i> , 2007, 51, 792-802.	5.7	65
59	Characterization of a Stress-Responsive Ankyrin Repeat-Containing Zinc Finger Protein of <i>Capsicum annuum</i> (CaKR1). <i>BMB Reports</i> , 2007, 40, 952-958.	2.4	41
60	Suppression of pepper SGT1 and SKP1 causes severe retardation of plant growth and compromises basal resistance. <i>Physiologia Plantarum</i> , 2006, 126, 060217072449001-???	5.2	3
61	Inactivation of Organellar Glutamyl- and Seryl-tRNA Synthetases Leads to Developmental Arrest of Chloroplasts and Mitochondria in Higher Plants. <i>Journal of Biological Chemistry</i> , 2005, 280, 37098-37106.	3.4	35
62	DNA Gyrase Is Involved in Chloroplast Nucleoid Partitioning. <i>Plant Cell</i> , 2004, 16, 2665-2682.	6.6	80
63	CHRK1, a chitinase-related receptor-like kinase, plays a role in plant development and cytokinin homeostasis in tobacco. <i>Plant Molecular Biology</i> , 2003, 53, 877-890.	3.9	29
64	Interaction of NtCDPK1 calcium-dependent protein kinase with NtRpn3 regulatory subunit of the 26S proteasome in <i>Nicotiana tabacum</i> . <i>Plant Journal</i> , 2003, 33, 825-840.	5.7	113
65	CHRK1, a chitinase-related receptor-like kinase, interacts with NtPUB4, an armadillo repeat protein, in tobacco. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2003, 1651, 50-59.	2.3	45
66	A novel dual-specificity protein kinase targeted to the chloroplast in tobacco1. <i>FEBS Letters</i> , 2001, 497, 124-130.	2.8	10
67	Expression patterns of diverse genes in response to gamma irradiation in <i>Nicotiana tabacum</i> . <i>Journal of Plant Biology</i> , 2000, 43, 82-87.	2.1	23
68	CHRK1, a Chitinase-Related Receptor-Like Kinase in Tobacco. <i>Plant Physiology</i> , 2000, 123, 905-916.	4.8	68
69	Characterization of NtCDPK1, a calcium-dependent protein kinase gene in <i>Nicotiana tabacum</i> , and the activity of its encoded protein. <i>Plant Molecular Biology</i> , 1999, 39, 991-1001.	3.9	134
70	Multiple genes encoding serine/threonine protein phosphatases and their differential expression in <i>Nicotiana tabacum</i> . <i>Plant Molecular Biology</i> , 1998, 36, 315-322.	3.9	20
71	Temporally Distinct Regulatory Pathways Coordinate Thermo-Responsive Storage Organ Formation in Potato. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0