

# Ho Won Jung

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40 papers	2,172 citations	22 h-index	42 g-index
42 ext. papers	2,537 ext. citations	4.5 avg, IF	4.54 L-index

#	Paper	IF	Citations
40	Priming in systemic plant immunity. <i>Science</i> , <b>2009</b> , 324, 89-91	33.3	611
39	Expression and functional roles of the pepper pathogen-induced transcription factor RAV1 in bacterial disease resistance, and drought and salt stress tolerance. <i>Plant Molecular Biology</i> , <b>2006</b> , 61, 897-915	4.6	165
38	Three pathogen-inducible genes encoding lipid transfer protein from pepper are differentially activated by pathogens, abiotic, and environmental stresses. <i>Plant, Cell and Environment</i> , <b>2003</b> , 26, 915-928	8.24	144
37	Differential expression and in situ localization of a pepper defensin (CADEF1) gene in response to pathogen infection, abiotic elicitors and environmental stresses in <i>Capsicum annuum</i> . <i>Plant Science</i> , <b>2004</b> , 166, 1297-1305	5.3	96
36	Isolation, partial sequencing, and expression of pathogenesis-related cDNA genes from pepper leaves infected by <i>Xanthomonas campestris</i> pv. <i>vesicatoria</i> . <i>Molecular Plant-Microbe Interactions</i> , <b>2000</b> , 13, 136-42	3.6	96
35	Expression of peroxidase-like genes, H <sub>2</sub> O <sub>2</sub> production, and peroxidase activity during the hypersensitive response to <i>Xanthomonas campestris</i> pv. <i>vesicatoria</i> in <i>Capsicum annuum</i> . <i>Molecular Plant-Microbe Interactions</i> , <b>2003</b> , 16, 196-205	3.6	92
34	Identification of pathogen-responsive regions in the promoter of a pepper lipid transfer protein gene (CALTP1) and the enhanced resistance of the CALTP1 transgenic <i>Arabidopsis</i> against pathogen and environmental stresses. <i>Planta</i> , <b>2005</b> , 221, 361-73	4.7	91
33	Signaling pathways that regulate the enhanced disease resistance of <i>Arabidopsis</i> "defense, no death" mutants. <i>Molecular Plant-Microbe Interactions</i> , <b>2008</b> , 21, 1285-96	3.6	66
32	The Vr-PLC3 gene encodes a putative plasma membrane-localized phosphoinositide-specific phospholipase C whose expression is induced by abiotic stress in mung bean ( <i>Vigna radiata</i> L.). <i>FEBS Letters</i> , <b>2004</b> , 556, 127-36	3.8	66
31	Genetic modification of the soybean to enhance the $\beta$ -carotene content through seed-specific expression. <i>PLoS ONE</i> , <b>2012</b> , 7, e48287	3.7	60
30	A key role for the <i>Arabidopsis</i> WIN3 protein in disease resistance triggered by <i>Pseudomonas syringae</i> that secrete AvrRpt2. <i>Molecular Plant-Microbe Interactions</i> , <b>2007</b> , 20, 1192-200	3.6	56
29	The leucine-rich repeat (LRR) protein, CaLRR1, interacts with the hypersensitive induced reaction (HIR) protein, CaHIR1, and suppresses cell death induced by the CaHIR1 protein. <i>Molecular Plant Pathology</i> , <b>2007</b> , 8, 503-14	5.7	55
28	Distinct roles of the pepper hypersensitive induced reaction protein gene CaHIR1 in disease and osmotic stress, as determined by comparative transcriptome and proteome analyses. <i>Planta</i> , <b>2008</b> , 227, 409-25	4.7	54
27	CAZFP1, Cys2/His2-type zinc-finger transcription factor gene functions as a pathogen-induced early-defense gene in <i>Capsicum annuum</i> . <i>Plant Molecular Biology</i> , <b>2004</b> , 55, 883-904	4.6	49
26	Identification and characterization of <i>Chryseobacterium wanjuae</i> strain KJ9C8 as a biocontrol agent of <i>Phytophthora</i> blight of pepper. <i>Crop Protection</i> , <b>2012</b> , 32, 129-137	2.7	46
25	ALD1 Regulates Basal Immune Components and Early Inducible Defense Responses in <i>Arabidopsis</i> . <i>Molecular Plant-Microbe Interactions</i> , <b>2015</b> , 28, 455-66	3.6	40
24	Pepper gene encoding a basic class II chitinase is inducible by pathogen and ethephon. <i>Plant Science</i> , <b>2000</b> , 159, 39-49	5.3	37

23	An osmotin-like protein gene, CAOSM1, from pepper: differential expression and in situ localization of its mRNA during pathogen infection and abiotic stress. <i>Physiological and Molecular Plant Pathology</i> , <b>2004</b> , 64, 301-310	2.6	34
22	Pepper gene encoding a basic beta-1,3-glucanase is differentially expressed in pepper tissues upon pathogen infection and ethephon or methyl jasmonate treatment. <i>Plant Science</i> , <b>2000</b> , 159, 97-106	5.3	33
21	Characterization of SMV resistance of soybean produced by genetic transformation of SMV-CP gene in RNAi. <i>Plant Biotechnology Reports</i> , <b>2013</b> , 7, 425-433	2.5	25
20	Isolation and functional analysis of a pepper lipid transfer protein III (CALTPIII) gene promoter during signaling to pathogen, abiotic and environmental stresses. <i>Plant Science</i> , <b>2006</b> , 170, 258-266	5.3	24
19	Molecular cloning and characterization of OsUPS, a U-box containing E3 ligase gene that respond to phosphate starvation in rice ( <i>Oryza sativa</i> ). <i>Molecular Biology Reports</i> , <b>2012</b> , 39, 5883-8	2.8	21
18	Ectopic expression of ubiquitin-conjugating enzyme gene from wild rice, OgUBC1, confers resistance against UV-B radiation and Botrytis infection in <i>Arabidopsis thaliana</i> . <i>Biochemical and Biophysical Research Communications</i> , <b>2012</b> , 427, 309-14	3.4	19
17	An Acidic PATHOGENESIS-RELATED1 Gene of <i>Oryza grandiglumis</i> is Involved in Disease Resistance Response Against Bacterial Infection. <i>Plant Pathology Journal</i> , <b>2014</b> , 30, 208-14	2.5	18
16	Functional and proteomic analyses reveal that wxCB is involved in virulence, motility, detergent tolerance, and biofilm formation in <i>Xanthomonas campestris</i> pv. <i>vesicatoria</i> . <i>Biochemical and Biophysical Research Communications</i> , <b>2014</b> , 452, 389-94	3.4	17
15	In situ localization of chitinase mRNA and protein in compatible and incompatible interactions of pepper stems with <i>Phytophthora capsici</i> . <i>Physiological and Molecular Plant Pathology</i> , <b>2000</b> , 57, 111-121	2.6	16
14	Pathogen-Associated Molecular Pattern-Triggered Immunity Involves Proteolytic Degradation of Core Nonsense-Mediated mRNA Decay Factors During the Early Defense Response. <i>Plant Cell</i> , <b>2020</b> , 32, 1081-1101	11.6	15
13	A gene encoding stellacyanin is induced in <i>Capsicum annuum</i> by pathogens, methyl jasmonate, abscisic acid, wounding, drought and salt stress. <i>Physiologia Plantarum</i> , <b>2002</b> , 115, 550-562	4.6	14
12	Underground Azelaic Acid-Conferred Resistance to <i>Pseudomonas syringae</i> in <i>Arabidopsis</i> . <i>Molecular Plant-Microbe Interactions</i> , <b>2019</b> , 32, 86-94	3.6	14
11	<i>Xanthomonas</i> filamentous hemagglutinin-like protein Fha1 interacts with pepper hypersensitive-induced reaction protein CaHIR1 and functions as a virulence factor in host plants. <i>Molecular Plant-Microbe Interactions</i> , <b>2013</b> , 26, 1441-54	3.6	13
10	Overexpression of AtSZF2 from <i>Arabidopsis</i> Showed Enhanced Tolerance to Salt Stress in Soybean. <i>Plant Breeding and Biotechnology</i> , <b>2017</b> , 5, 1-15	1.2	12
9	Increased Production of Linolenic Acid in Soybean Seeds by Overexpression of Lesquerella. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 1812	6.2	10
8	A Rice Gene Homologous to <i>Arabidopsis</i> AGD2-LIKE DEFENSE1 Participates in Disease Resistance Response against Infection with <i>Magnaporthe oryzae</i> . <i>Plant Pathology Journal</i> , <b>2016</b> , 32, 357-62	2.5	10
7	Cyclic Dipeptides from BS07 Require Key Components of Plant Immunity to Induce Disease Resistance in against Infection. <i>Plant Pathology Journal</i> , <b>2017</b> , 33, 402-409	2.5	10
6	Overexpression of AtYUCCA6 in soybean crop results in reduced ROS production and increased drought tolerance. <i>Plant Biotechnology Reports</i> , <b>2019</b> , 13, 161-168	2.5	8

- 5 Evaluation of Yield Components from Transgenic Soybean Overexpressing Chromatin Architecture-Controlling ATPG8 and ATPG10 Genes. *Plant Breeding and Biotechnology*, **2019**, 7, 34-41 1.2 3
- 4 ALD1 accumulation in Arabidopsis epidermal plastids confers local and non-autonomous disease resistance. *Journal of Experimental Botany*, **2021**, 72, 2710-2726 7 2
- 3 ALTERED MERISTEM PROGRAM1 has conflicting effects on the tolerance to heat shock and symptom development after *Pseudomonas syringae* infection. *Biochemical and Biophysical Research Communications*, **2016**, 480, 296-301 3.4 1
- 2 Two Homologs of Human Lysine-Specific Demethylase Function in Epigenetic Regulation of Plant Defense Responses. *Frontiers in Plant Science*, **2021**, 12, 688003 6.2 1
- 1 The HS1 Strain Renders Vegetable Plants Resistant and Tolerant against Pathogen Infection and High Salinity Stress. *Plant Pathology Journal*, **2021**, 37, 72-78 2.5 1