Byung Kook Hwang

List of Publications by Citations

133 papers	6,296 citations	49 h-index	73 g-index
134 ext. papers	7,196 ext. citations	4.6 avg, IF	6.09 L-index

#	Paper	IF	Citations
133	An important role of the pepper phenylalanine ammonia-lyase gene (PAL1) in salicylic acid-dependent signalling of the defence response to microbial pathogens. *Journal of Experimental Botany*, **2014**, 65, 2295-306	7	224
132	Hydrogen peroxide generation by the pepper extracellular peroxidase CaPO2 activates local and systemic cell death and defense response to bacterial pathogens. *Plant Physiology*, **2007**, 145, 890-904	6.6	218
131	Expression and functional roles of the pepper pathogen-induced transcription factor RAV1 in bacterial disease resistance, and drought and salt stress tolerance. *Plant Molecular Biology*, **2006**, 61, 897-915	4.6	165
130	Pepper pectin methylesterase inhibitor protein CaPMEI1 is required for antifungal activity, basal disease resistance and abiotic stress tolerance. *Planta*, **2008**, 228, 61-78	4.7	152
129	Overexpression of a pepper basic pathogenesis-related protein 1 gene in tobacco plants enhances resistance to heavy metal and pathogen stresses. *Plant Cell Reports*, **2005**, 24, 216-24	5.1	145
128	Three pathogen-inducible genes encoding lipid transfer protein from pepper are differentially activated by pathogens, abiotic, and environmental stresses. *Plant, Cell and Environment*, **2003**, 26, 915-928	8.4	144
127	The pepper 9-lipoxygenase gene CaLOX1 functions in defense and cell death responses to microbial pathogens. *Plant Physiology*, **2010**, 152, 948-67	6.6	141
126	Requirement of the cytosolic interaction between PATHOGENESIS-RELATED PROTEIN10 and LEUCINE-RICH REPEAT PROTEIN1 for cell death and defense signaling in pepper. *Plant Cell*, **2012**, 24, 1675-90	11.6	140
125	In vivo control and in vitro antifungal activity of rhamnolipid B, a glycolipid antibiotic, against Phytophthora capsici and Colletotrichum orbiculare. *Pest Management Science*, **2000**, 56, 1029-1035	4.6	118
124	Isolation and in vivo and in vitro antifungal activity of phenylacetic acid and sodium phenylacetate from Streptomyces humidus. *Applied and Environmental Microbiology*, **2001**, 67, 3739-45	4.8	115
123	Functional roles of the pepper pathogen-induced bZIP transcription factor, CAbZIP1, in enhanced resistance to pathogen infection and environmental stresses. *Planta*, **2006**, 224, 1209-25	4.7	112
122	Phytophthora Blight of Pepper and its Control in Korea. *Plant Disease*, **1995**, 79, 221	1.5	111
121	Function of a novel GDSL-type pepper lipase gene, CaGLIP1, in disease susceptibility and abiotic stress tolerance. *Planta*, **2008**, 227, 539-58	4.7	110
120	Proteomics and functional analyses of pepper abscisic acid-responsive 1 (ABR1), which is involved in cell death and defense signaling. *Plant Cell*, **2011**, 23, 823-42	11.6	109
119	The pepper mannose-binding lectin gene CaMBL1 is required to regulate cell death and defense responses to microbial pathogens. *Plant Physiology*, **2011**, 155, 447-63	6.6	98
118	Differential expression and in situ localization of a pepper defensin (CADEF1) gene in response to pathogen infection, abiotic elicitors and environmental stresses in Capsicum annuum. *Plant Science*, **2004**, 166, 1297-1305	5.3	96
117	Isolation, partial sequencing, and expression of pathogenesis-related cDNA genes from pepper leaves infected by Xanthomonas campestris pv. vesicatoria. *Molecular Plant-Microbe Interactions*, **2000**, 13, 136-42	3.6	96

116	Expression of peroxidase-like genes, H2O2 production, and peroxidase activity during the hypersensitive response to Xanthomonas campestris pv. vesicatoria in Capsicum annuum. *Molecular Plant-Microbe Interactions*, **2003**, 16, 196-205	3.6	92
115	Identification of pathogen-responsive regions in the promoter of a pepper lipid transfer protein gene (CALTPI) and the enhanced resistance of the CALTPI transgenic Arabidopsis against pathogen and environmental stresses. *Planta*, **2005**, 221, 361-73	4.7	91
114	The pepper E3 ubiquitin ligase RING1 gene, CaRING1, is required for cell death and the salicylic acid-dependent defense response. *Plant Physiology*, **2011**, 156, 2011-25	6.6	88
113	Overexpression of lipid transfer protein (LTP) genes enhances resistance to plant pathogens and LTP functions in long-distance systemic signaling in tobacco. *Plant Cell Reports*, **2009**, 28, 419-27	5.1	87
112	CAZFP1, Cys2/His2-type zinc-finger transcription factor gene functions as a pathogen-induced early-defense gene in Capsicum annuum. *Plant Molecular Biology*, **2004**, 55, 883-904	4.6	86
111	Diversity of antifungal actinomycetes in various vegetative soils of Korea. *Canadian Journal of Microbiology*, **2002**, 48, 407-17	3.2	81
110	The Pepper Lipoxygenase CaLOX1 Plays a Role in Osmotic, Drought and High Salinity Stress Response. *Plant and Cell Physiology*, **2015**, 56, 930-42	4.9	80
109	Pepper gene encoding a basic pathogenesis-related 1 protein is pathogen and ethylene inducible. *Physiologia Plantarum*, **2000**, 108, 51-60	4.6	76
108	Pepper asparagine synthetase 1 (CaAS1) is required for plant nitrogen assimilation and defense responses to microbial pathogens. *Plant Journal*, **2011**, 67, 749-62	6.9	75
107	Convergent Evolution of Pathogen Effectors toward Reactive Oxygen Species Signaling Networks in Plants. *Frontiers in Plant Science*, **2017**, 8, 1687	6.2	74
106	Induction of some defense-related genes and oxidative burst is required for the establishment of systemic acquired resistance in Capsicum annuum. *Planta*, **2005**, 221, 790-800	4.7	73
105	The pepper MLO gene, CaMLO2, is involved in the susceptibility cell-death response and bacterial and oomycete proliferation. *Plant Journal*, **2012**, 72, 843-55	6.9	69
104	Microbial Fungicides in the Control of Plant Diseases. *Journal of Phytopathology*, **2007**, 155, 641-653	1.8	69
103	Pepper arginine decarboxylase is required for polyamine and □aminobutyric acid signaling in cell death and defense response. *Plant Physiology*, **2013**, 162, 2067-83	6.6	68
102	Identification of the pepper SAR8.2 gene as a molecular marker for pathogen infection, abiotic elicitors and environmental stresses in Capsicum annuum. *Planta*, **2003**, 216, 387-96	4.7	68
101	Involvement of the pepper antimicrobial protein CaAMP1 gene in broad spectrum disease resistance. *Plant Physiology*, **2008**, 148, 1004-20	6.6	66
100	Iron- and Reactive Oxygen Species-Dependent Ferroptotic Cell Death in Rice- Interactions. *Plant Cell*, **2019**, 31, 189-209	11.6	64
99	The hypersensitive induced reaction and leucine-rich repeat proteins regulate plant cell death associated with disease and plant immunity. *Molecular Plant-Microbe Interactions*, **2011**, 24, 68-78	3.6	63

98	A role for a menthone reductase in resistance against microbial pathogens in plants. *Plant Physiology*, **2008**, 148, 383-401	6.6	62
97	Pepper gene encoding a basic pathogenesis-related 1 protein is pathogen and ethylene inducible. *Physiologia Plantarum*, **2000**, 108, 51-60	4.6	61
96	The pepper extracellular peroxidase CaPO2 is required for salt, drought and oxidative stress tolerance as well as resistance to fungal pathogens. *Planta*, **2012**, 235, 1369-82	4.7	58
95	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. *Molecular Plant Pathology*, **2007**, 8, 503-14	5.7	55
94	Isolation and antifungal and antioomycete activities of aerugine produced by Pseudomonas fluorescens strain MM-B16. *Applied and Environmental Microbiology*, **2003**, 69, 2023-31	4.8	55
93	The pepper calmodulin gene CaCaM1 is involved in reactive oxygen species and nitric oxide generation required for cell death and the defense response. *Molecular Plant-Microbe Interactions*, **2009**, 22, 1389-400	3.6	54
92	Distinct roles of the pepper hypersensitive induced reaction protein gene CaHIR1 in disease and osmotic stress, as determined by comparative transcriptome and proteome analyses. *Planta*, **2008**, 227, 409-25	4.7	54
91	Induced resistance againstPhytophthora capsici in pepper plants in response to DL-□amino-n-butyric acid. *European Journal of Plant Pathology*, **1996**, 102, 663-670	2.1	53
90	Influence of Inoculum Density, Wetness Duration, Plant Age, Inoculation Method, and Cultivar Resistance on Infection of Pepper Plants by Colletotrichum coccodes. *Plant Disease*, **1998**, 82, 1079-1083	1.5	52
89	Isolation of a basic 34 kiloDalton □1,3-glucanase with inhibitory activity againstPhytophthora capsicifrom pepper stems. *Physiological and Molecular Plant Pathology*, **1997**, 50, 103-115	2.6	51
88	Promoter activation of pepper class II basic chitinase gene, CAChi2, and enhanced bacterial disease resistance and osmotic stress tolerance in the CAChi2-overexpressing Arabidopsis. *Planta*, **2006**, 223, 433-48	4.7	51
87	Aggressiveness to Pumpkin Cultivars of Isolates of Phytophthora capsici from Pumpkin and Pepper. *Plant Disease*, **2001**, 85, 497-500	1.5	51
86	Isolation, identification, and antifungal activity of a macrolide antibiotic, oligomycin A, produced by Streptomyces libani. *Canadian Journal of Botany*, **1999**, 77, 850-858		50
85	Pepper heat shock protein 70a interacts with the type III effector AvrBsT and triggers plant cell death and immunity. *Plant Physiology*, **2015**, 167, 307-22	6.6	49
84	Role of a novel pathogen-induced pepper C3-H-C4 type RING-finger protein gene, CaRFPI, in disease susceptibility and osmotic stress tolerance. *Plant Molecular Biology*, **2007**, 63, 571-88	4.6	49
83	Induction by pathogen, salt and drought of a basic class II chitinase mRNA and its in situ localization in pepper (Capsicum annuum). *Physiologia Plantarum*, **2002**, 114, 549-558	4.6	49
82	Isolation and in vitro and in vivo activity against Phytophthora capsici and Colletotrichum orbiculare of phenazine-1-carboxylic acid from Pseudomonas aeruginosa strain GC-B26. *Pest Management Science*, **2003**, 59, 872-82	4.6	49
81	Differential accumulation of □1,3-glucanase and chitinase isoforms in pepper stems infected by compatible and incompatible isolates of Phytophthora capsici. *Physiological and Molecular Plant Pathology*, **1994**, 45, 195-209	2.6	49

80	CAZFP1, Cys2/His2-type zinc-finger transcription factor gene functions as a pathogen-induced early-defense gene in Capsicum annuum. *Plant Molecular Biology*, **2004**, 55, 883-904	4.6	49
79	Xanthomonas campestris pv. vesicatoria effector AvrBsT induces cell death in pepper, but suppresses defense responses in tomato. *Molecular Plant-Microbe Interactions*, **2010**, 23, 1069-82	3.6	45
78	Production, purification, and antifungal activity of the antibiotic nucleoside, tubercidin, produced by Streptomyces violaceoniger. *Canadian Journal of Botany*, **1994**, 72, 480-485		44
77	Isolation, antifungal activity, and structure elucidation of the glutarimide antibiotic, streptimidone, produced by Micromonospora coerulea. *Journal of Agricultural and Food Chemistry*, **1999**, 47, 3372-80	5.7	42
76	The pepper receptor-like cytoplasmic protein kinase CaPIK1 is involved in plant signaling of defense and cell-death responses. *Plant Journal*, **2011**, 66, 642-55	6.9	41
75	Isolation and anti-oomycete activity of nyasol from Anemarrhena asphodeloides rhizomes. *Phytochemistry*, **2003**, 64, 997-1001	4	40
74	Identification of a novel pathogen-induced gene encoding a leucine-rich repeat protein expressed in phloem cells of Capsicum annuum. *Biochimica Et Biophysica Acta Gene Regulatory Mechanisms*, **2004**, 1676, 211-22		37
73	Pepper gene encoding a basic class II chitinase is inducible by pathogen and ethephon. *Plant Science* , **2000**, 159, 39-49	5.3	37
72	Structure elucidation and antifungal activity of an anthracycline antibiotic, daunomycin, isolated from Actinomadura roseola. *Journal of Agricultural and Food Chemistry*, **2000**, 48, 1875-81	5.7	37
71	Induction of Local and Systemic Resistance to Colletotrichum coccodes in Pepper Plants by dl -Amino-n-Butyric Acid. *Journal of Phytopathology*, **1999**, 147, 193-198	1.8	36
70	CASAR82A, a pathogen-induced pepper SAR8.2, exhibits an antifungal activity and its overexpression enhances disease resistance and stress tolerance. *Plant Molecular Biology*, **2006**, 61, 95-109	4.6	35
69	Activation of pepper basic PR-1 gene promoter during defense signaling to pathogen, abiotic and environmental stresses. *Gene*, **2005**, 356, 169-80	3.8	34
68	Identification and functional expression of the pepper pathogen-induced gene, CAPIP2, involved in disease resistance and drought and salt stress tolerance. *Plant Molecular Biology*, **2006**, 62, 151-64	4.6	34
67	An osmotin-like protein gene, CAOSM1, from pepper: differential expression and in situ localization of its mRNA during pathogen infection and abiotic stress. *Physiological and Molecular Plant Pathology*, **2004**, 64, 301-310	2.6	34
66	Differential Induction and Accumulation of 1,3-Glucanase and Chitinase Isoforms in the Intercellular Space and Leaf Tissues of Pepper by Xanthomonas campestris pv. vesicatoria Infection. *Journal of Phytopathology*, **1996**, 144, 79-87	1.8	34
65	Functional roles of the pepper antimicrobial protein gene, CaAMP1, in abscisic acid signaling, and salt and drought tolerance in Arabidopsis. *Planta*, **2009**, 229, 383-91	4.7	33
64	The pepper oxidoreductase CaOXR1 interacts with the transcription factor CaRAV1 and is required for salt and osmotic stress tolerance. *Plant Molecular Biology*, **2010**, 73, 409-24	4.6	33
63	Pepper gene encoding a basic beta-1,3-glucanase is differentially expressed in pepper tissues upon pathogen infection and ethephon or methyl jasmonate treatment. *Plant Science*, **2000**, 159, 97-106	5.3	33

62	A pathogen-induced chitin-binding protein gene from pepper: its isolation and differential expression in pepper tissues treated with pathogens, ethephon, methyl jasmonate or wounding. *Plant and Cell Physiology*, **2001**, 42, 1321-30	4.9	33
61	Pepper osmotin-like protein 1 (CaOSM1) is an essential component for defense response, cell death, and oxidative burst in plants. *Planta*, **2013**, 238, 1113-24	4.7	32
60	Induction of enhanced disease resistance and oxidative stress tolerance by overexpression of pepper basic PR-1 gene in Arabidopsis. *Physiologia Plantarum*, **2005**, 124, 267-277	4.6	32
59	Pepper gene encoding thionin is differentially induced by pathogens, ethylene and methyl jasmonate. *Physiological and Molecular Plant Pathology*, **2000**, 56, 207-216	2.6	32
58	Pepper suppressor of the G2 allele of skp1 interacts with the receptor-like cytoplasmic kinase1 and type III effector AvrBsT and promotes the hypersensitive cell death response in a phosphorylation-dependent manner. *Plant Physiology*, **2014**, 165, 76-91	6.6	30
57	Streptomyces koyangensis sp. nov., a novel actinomycete that produces 4-phenyl-3-butenoic acid. *International Journal of Systematic and Evolutionary Microbiology*, **2005**, 55, 257-262	2.2	30
56	Pathogenesis-related protein 4b interacts with leucine-rich repeat protein 1 to suppress PR4b-triggered cell death and defense response in pepper. *Plant Journal*, **2014**, 77, 521-33	6.9	28
55	Pepper mitochondrial FORMATE DEHYDROGENASE1 regulates cell death and defense responses against bacterial pathogens. *Plant Physiology*, **2014**, 166, 1298-311	6.6	27
54	Isolation, Structure Elucidation, and Antifungal Activity of a Manumycin-Type Antibiotic from Streptomyces flaveus. *Journal of Agricultural and Food Chemistry*, **1996**, 44, 3653-3657	5.7	27
53	Pepper pathogenesis-related protein 4c is a plasma membrane-localized cysteine protease inhibitor that is required for plant cell death and defense signaling. *Plant Journal*, **2015**, 81, 81-94	6.9	26
52	Streptomyces cheonanensis sp. nov., a novel streptomycete with antifungal activity. *International Journal of Systematic and Evolutionary Microbiology*, **2006**, 56, 471-475	2.2	26
51	Isolation and antifungal activity of kakuol, a propiophenone derivative from Asarum sieboldii rhizome. *Pest Management Science*, **2005**, 61, 821-5	4.6	26
50	Isolation and antifungal and antioomycete activities of staurosporine from Streptomyces roseoflavus strain LS-A24. *Journal of Agricultural and Food Chemistry*, **2006**, 54, 3041-6	5.7	25
49	Isolation and functional analysis of a pepper lipid transfer protein III (CALTPIII) gene promoter during signaling to pathogen, abiotic and environmental stresses. *Plant Science*, **2006**, 170, 258-266	5.3	24
48	Differential interactions ofPhytophthora capsici isolates with pepper genotypes at various plant growth stages. *European Journal of Plant Pathology*, **1996**, 102, 311-316	2.1	24
47	Pepper aldehyde dehydrogenase CaALDH1 interacts with Xanthomonas effector AvrBsT and promotes effector-triggered cell death and defence responses. *Journal of Experimental Botany*, **2015**, 66, 3367-80	7	22
46	A novel pepper membrane-located receptor-like protein gene CaMRP1 is required for disease susceptibility, methyl jasmonate insensitivity and salt tolerance. *Plant Molecular Biology*, **2008**, 67, 519-33	4.6	22
45	Molecular and cellular control of cell death and defense signaling in pepper. *Planta*, **2015**, 241, 1-27	4.7	21

44	Regulation and function of the pepper pectin methylesterase inhibitor (CaPMEI1) gene promoter in defense and ethylene and methyl jasmonate signaling in plants. *Planta*, **2009**, 230, 1223-37	4.7	21
43	The pepper extracellular xyloglucan-specific endo-β1,4-glucanase inhibitor protein gene, CaXEGIP1, is required for plant cell death and defense responses. *Plant Physiology*, **2013**, 161, 384-96	6.6	21
42	In situ localization of PR-1 mRNA and PR-1 protein in compatible and incompatible interactions of pepper stems withPhytophthora capsici. *Protoplasma*, **2000**, 211, 64-75	3.4	21
41	The pepper patatin-like phospholipase CaPLP1 functions in plant cell death and defense signaling. *Plant Molecular Biology*, **2014**, 84, 329-44	4.6	20
40	The promoter of the pepper pathogen-induced membrane protein gene CaPIMP1 mediates environmental stress responses in plants. *Planta*, **2009**, 229, 249-59	4.7	20
39	Role of the pepper cytochrome P450 gene CaCYP450A in defense responses against microbial pathogens. *Planta*, **2010**, 232, 1409-21	4.7	20
38	Carbohydrate, Amino acid, Phenolic and Mineral Nutrient Contents of Pepper Plants in Relation to Age-Related Resistance to Phytophthora capsici. *Journal of Phytopathology*, **1991**, 131, 40-52	1.8	19
37	In-vivo efficacy and in-vitro activity of tubercidin, an antibiotic nucleoside, for control of Phytophthora capsici blight in Capsicum annuum. *Pest Management Science*, **1995**, 44, 255-260		18
36	In situ localization of chitinase mRNA and protein in compatible and incompatible interactions of pepper stems with Phytophthora capsici. *Physiological and Molecular Plant Pathology*, **2000**, 57, 111-121	2.6	16
35	Carbohydrate Composition and Acid Invertase Activity in Rice Leaves Infected with Pyricularia oryzae. *Journal of Phytopathology*, **1989**, 125, 124-132	1.8	16
34	Molecular functions of Xanthomonas type III effector AvrBsT and its plant interactors in cell death and defense signaling. *Planta*, **2017**, 245, 237-253	4.7	15
33	Functional roles of the pepper RING finger protein gene, CaRING1, in abscisic acid signaling and dehydration tolerance. *Plant Molecular Biology*, **2015**, 89, 143-56	4.6	15
32	Pepper mildew resistance locus O interacts with pepper calmodulin and suppresses Xanthomonas AvrBsT-triggered cell death and defense responses. *Planta*, **2014**, 240, 827-39	4.7	15
31	Identification and deletion analysis of the promoter of the pepper SAR8.2 gene activated by bacterial infection and abiotic stresses. *Planta*, **2006**, 224, 255-67	4.7	14
30	A gene encoding stellacyanin is induced in Capsicum annuum by pathogens, methyl jasmonate, abscisic acid, wounding, drought and salt stress. *Physiologia Plantarum*, **2002**, 115, 550-562	4.6	14
29	Effect of Metalaxyl on Capsidiol Production in Stems of Pepper Plants Infected with Phytophthora capsici. *Plant Disease*, **1989**, 73, 748	1.5	14
28	The pepper RNA-binding protein CaRBP1 functions in hypersensitive cell death and defense signaling in the cytoplasm. *Plant Journal*, **2012**, 72, 235-48	6.9	13
27	Xanthomonas filamentous hemagglutinin-like protein Fha1 interacts with pepper hypersensitive-induced reaction protein CaHIR1 and functions as a virulence factor in host plants. *Molecular Plant-Microbe Interactions*, **2013**, 26, 1441-54	3.6	13

26	Effects of Plant Age, Leaf Position, Inoculum Density, and Wetness Period on Bipolaris coicis Infection in Adlays of Differing Resistance. *Plant Disease*, **2003**, 87, 821-826	1.5	13
25	In situ hybridization study of organ- and pathogen-dependent expression of a novel thionin gene in pepper (Capsicum annuum). *Physiologia Plantarum*, **2000**, 110, 384-392	4.6	13
24	The Capsicum annuum class IV chitinase ChitIV interacts with receptor-like cytoplasmic protein kinase PIK1 to accelerate PIK1-triggered cell death and defence responses. *Journal of Experimental Botany*, **2015**, 66, 1987-99	7	12
23	The pepper cysteine/histidine-rich DC1 domain protein CaDC1 binds both RNA and DNA and is required for plant cell death and defense response. *New Phytologist*, **2014**, 201, 518-530	9.8	12
22	Distinct roles of the pepper pathogen-induced membrane protein gene CaPIMP1 in bacterial disease resistance and oomycete disease susceptibility. *Planta*, **2008**, 228, 485-97	4.7	12
21	Isolation and antifungal activity of 4-phenyl-3-butenoic acid from Streptomyces koyangensis strain VK-A60. *Journal of Agricultural and Food Chemistry*, **2005**, 53, 7696-700	5.7	12
20	Thiobutacin, a novel antifungal and antioomycete antibiotic from Lechevalieria aerocolonigenes. *Journal of Natural Products*, **2004**, 67, 2076-8	4.9	11
19	An ultrastructural study of the effect of metalaxyl on Phytophthora capsici infected stems of Capsicum annuum. *Pest Management Science*, **1990**, 29, 151-162		11
18	Functional roles of the pepper leucine-rich repeat protein and its interactions with pathogenesis-related and hypersensitive-induced proteins in plant cell death and immunity. *Planta*, **2017**, 246, 351-364	4.7	10
17	GLYCINE-RICH RNA-BINDING PROTEIN1 interacts with RECEPTOR-LIKE CYTOPLASMIC PROTEIN KINASE1 and suppresses cell death and defense responses in pepper (Capsicum annuum). *New Phytologist*, **2015**, 205, 786-800	9.8	10
16	The pepper GNA-related lectin and PAN domain protein gene, CaGLP1, is required for plant cell death and defense signaling during bacterial infection. *Plant Science*, **2015**, 241, 307-15	5.3	10
15	Overexpression of Xanthomonas campestris pv. vesicatoria effector AvrBsT in Arabidopsis triggers plant cell death, disease and defense responses. *Planta*, **2012**, 236, 1191-204	4.7	10
14	In vitro antimicrobial and in vivo antioomycete activities of the novel antibiotic thiobutacin. *Pest Management Science*, **2008**, 64, 172-7	4.6	10
13	Temporal and subcellular localization of PR-1 proteins in tomato stem tissues infected by virulent and avirulent isolates of Phytophthora capsici. *Protoplasma*, **2002**, 219, 131-9	3.4	10
12	The pepper phosphoenolpyruvate carboxykinase CaPEPCK1 is involved in plant immunity against bacterial and oomycete pathogens. *Plant Molecular Biology*, **2015**, 89, 99-111	4.6	9
11	Screening for In Vitro Antifungal Activity of Soil Bacteria Against Plant Pathogens. *Mycobiology*, **2000**, 28, 190-192	1.7	8
10	Functional analysis of the promoter of the pepper pathogen-induced gene, CAPIP2, during bacterial infection and abiotic stresses. *Plant Science*, **2007**, 172, 236-245	5.3	7
9	Proteomics and functional analyses of Arabidopsis nitrilases involved in the defense response to microbial pathogens. *Planta*, **2016**, 244, 449-65	4.7	7

8	Overexpression of the pepper antimicrobial protein CaAMP1 gene regulates the oxidative stress- and disease-related proteome in Arabidopsis. *Planta*, **2011**, 234, 1111-25	4.7	5
7	Relationship of Host Genotype to Bipolaris Leaf Blight Severities and Yield Components of Adlay. *Plant Disease*, **2002**, 86, 774-779	1.5	4
6	Restriction Fragment Length Polymorphism Analyses of the Plasmid DNAs in Strains of Xanthomonas campestris pv. vesicatoria from Different Geographic Areas. *Journal of Phytopathology*, **1995**, 143, 185-191	1.8	4
5	Restriction Fragment Length Polymorphisms of Mitochondrial and Nuclear DNAs among Korean Races of Magnaporthe grisea. *Journal of Phytopathology*, **1993**, 138, 41-54	1.8	4
4	Evaluation of Virulence to Adlays of Korean Isolates of Bipolaris coicis Using a Disease Rating Scale. *Plant Disease*, **2003**, 87, 726-731	1.5	3
3	Mitogen-Activated Protein Kinase OsMEK2 and OsMPK1 Signaling Is Required for Ferroptotic Cell Death in Rice- Interactions. *Frontiers in Plant Science*, **2021**, 12, 710794	6.2	2
2	Systemic Acquired Resistance of Pepper to Microbial Pathogens. *Journal of Phytopathology*, **2011**, 159, no-no	1.8	1
1	In situ hybridization study of organ- and pathogen-dependent expression of a novel thionin gene in pepper (Capsicum annuum). *Physiologia Plantarum*, **2008**, 110, 384-392	4.6	0