

Min Gab Kim

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

781
citations

623734

14
h-index

552781

26
g-index

29
all docs

29
docs citations

29
times ranked

1182
citing authors

#	ARTICLE	IF	CITATIONS
1	Heat-Shock and Redox-Dependent Functional Switching of an h-Type Arabidopsis Thioredoxin from a Disulfide Reductase to a Molecular Chaperone. <i>Plant Physiology</i> , 2009, 150, 552-561.	4.8	113
2	The Physiological Functions of Universal Stress Proteins and Their Molecular Mechanism to Protect Plants From Environmental Stresses. <i>Frontiers in Plant Science</i> , 2019, 10, 750.	3.6	96
3	Biosynthesis, physiology, and functions of hydroxycinnamic acid amides in plants. <i>Plant Biotechnology Reports</i> , 2015, 9, 269-278.	1.5	76
4	Biotic stress related functions of hydroxycinnamic acid amide in plants. <i>Journal of Plant Biology</i> , 2015, 58, 156-163.	2.1	70
5	Redox-dependent structural switch and CBF activation confer freezing tolerance in plants. <i>Nature Plants</i> , 2021, 7, 914-922.	9.3	60
6	Direct and Indirect Targeting of PP2A by Conserved Bacterial Type-III Effector Proteins. <i>PLoS Pathogens</i> , 2016, 12, e1005609.	4.7	51
7	Role of RIN4 in Regulating PAMP-Triggered Immunity and Effector-Triggered Immunity: Current Status and Future Perspectives. <i>Molecules and Cells</i> , 2019, 42, 503-511.	2.6	39
8	NADPH-dependent thioredoxin reductase A (NTRA) confers elevated tolerance to oxidative stress and drought. <i>Plant Physiology and Biochemistry</i> , 2014, 80, 184-191.	5.8	37
9	Redox sensor QSOX1 regulates plant immunity by targeting GSNOR to modulate ROS generation. <i>Molecular Plant</i> , 2021, 14, 1312-1327.	8.3	34
10	Humic acid enhances heat stress tolerance via transcriptional activation of Heat-Shock Proteins in Arabidopsis. <i>Scientific Reports</i> , 2020, 10, 15042.	3.3	31
11	Structural variation of humic-like substances and its impact on plant stimulation: Implication for structure-function relationship of soil organic matters. <i>Science of the Total Environment</i> , 2020, 725, 138409.	8.0	30
12	Humic Acid Confers HIGH-AFFINITY K ⁺ TRANSPORTER 1-Mediated Salinity Stress Tolerance in Arabidopsis. <i>Molecules and Cells</i> , 2017, 40, 966-975.	2.6	27
13	Ribosomal P3 protein AtP3B of <i>Arabidopsis</i> acts as both protein and RNA chaperone to increase tolerance of heat and cold stresses. <i>Plant, Cell and Environment</i> , 2016, 39, 1631-1642.	5.7	23
14	Inhibitor of Apoptosis (IAP)-like Protein Lacks a Baculovirus IAP Repeat (BIR) Domain and Attenuates Cell Death in Plant and Animal Systems*. <i>Journal of Biological Chemistry</i> , 2011, 286, 42670-42678.	3.4	16
15	Plant-based, adjuvant-free, potent multivalent vaccines for avian influenza virus via <i>Lactococcus</i> surface display. <i>Journal of Integrative Plant Biology</i> , 2021, 63, 1505-1520.	8.5	13
16	N-Glycosylation process in both ER and Golgi plays pivotal role in plant immunity. <i>Journal of Plant Biology</i> , 2015, 58, 374-382.	2.1	11
17	Inositol-requiring enzyme 1 (IRE1) plays for AvrRpt2-triggered immunity and RIN4 cleavage in Arabidopsis under endoplasmic reticulum (ER) stress. <i>Plant Physiology and Biochemistry</i> , 2020, 156, 105-114.	5.8	9
18	Transcriptome Changes Reveal the Molecular Mechanisms of Humic Acid-Induced Salt Stress Tolerance in Arabidopsis. <i>Molecules</i> , 2021, 26, 782.	3.8	9

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19	SDE5, a putative RNA export protein, participates in plant innate immunity through a flagellin-dependent signaling pathway in Arabidopsis. <i>Scientific Reports</i> , 2017, 7, 9859.	3.3	6
20	An insulin-binding protein from the venom of a solitary wasp <i>Eumenes pomiformis</i> binds to apolipoprotein III in lepidopteran hemolymph. <i>Toxicon</i> , 2016, 111, 62-64.	1.6	4
21	Tunicamycin-induced endoplasmic reticulum stress suppresses plant immunity. <i>Applied Biological Chemistry</i> , 2017, 60, 623-630.	1.9	4
22	Production and characterization of polyclonal antibody against Arabidopsis GIGANTEA, a circadian clock controlled flowering time regulator. <i>Journal of Plant Biology</i> , 2017, 60, 622-629.	2.1	4
23	Effect of Hydroxycinnamic Acid Amides, Coumaroyl Tyramine and Coumaroyl Tryptamine on Biotic Stress Response in Arabidopsis. <i>Journal of Plant Biology</i> , 2022, 65, 145-155.	2.1	4
24	Ca ²⁺ /CaM increases the necrotrophic pathogen resistance through the inhibition of a CaM-regulated dual-specificity protein phosphatase 1 in Arabidopsis. <i>Plant Biotechnology Reports</i> , 2022, 16, 71-78.	1.5	4
25	Phytochrome B Positively Regulates Red Light-Mediated ER Stress Response in Arabidopsis. <i>Frontiers in Plant Science</i> , 2022, 13, 846294.	3.6	3
26	Demyristoylation of the Cytoplasmic Redox Protein Trx-h2 Is Critical for Inducing a Rapid Cold Stress Response in Plants. <i>Antioxidants</i> , 2021, 10, 1287.	5.1	2
27	Production of a Bacteria-like Particle Vaccine Targeting Rock Bream (<i>Oplegnathus fasciatus</i>) Iridovirus Using <i>Nicotiana benthamiana</i> . <i>Journal of Plant Biology</i> , 2022, 65, 21-28.	2.1	2
28	Universal Stress Protein regulates the circadian rhythm of central oscillator genes in <i>Arabidopsis</i> . <i>FEBS Letters</i> , 2022, 596, 1871-1880.	2.8	2
29	Development of in vitro HSP90 foldase chaperone assay using a GST-fused Real-substrate, ZTL (ZEITLUPE). <i>Journal of Plant Biology</i> , 2015, 58, 236-241.	2.1	1