

Jin-Hong Kim

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

831
citations

623734

14
h-index

526287

27
g-index

27
all docs

27
docs citations

27
times ranked

778
citing authors

#	ARTICLE	IF	CITATIONS
1	Alterations in the photosynthetic pigments and antioxidant machineries of red pepper (<i>Capsicum</i>) Tj ETQq1 1 0.784314 rgBT/Overlook	2.1	132
2	Ultrastructural changes of cell organelles in <i>Arabidopsis</i> stems after gamma irradiation. <i>Journal of Plant Biology</i> , 2005, 48, 195-200.	2.1	125
3	Effects of <i>in planta</i> gamma-irradiation on growth, photosynthesis, and antioxidative capacity of red pepper (<i>Capsicum annuum</i> L.) plants. <i>Journal of Plant Biology</i> , 2005, 48, 47-56.	2.1	123
4	Ionizing radiation manifesting DNA damage response in plants: An overview of DNA damage signaling and repair mechanisms in plants. <i>Plant Science</i> , 2019, 278, 44-53.	3.6	46
5	Multifaceted Chromatin Structure and Transcription Changes in Plant Stress Response. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2013.	4.1	46
6	Chromatin Remodeling and Epigenetic Regulation in Plant DNA Damage Repair. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4093.	4.1	43
7	A Mutation in Plant-Specific SWI2/SNF2-Like Chromatin-Remodeling Proteins, DRD1 and DDM1, Delays Leaf Senescence in <i>Arabidopsis thaliana</i> . <i>PLoS ONE</i> , 2016, 11, e0146826.	2.5	37
8	Practical use of chemical probes for reactive oxygen species produced in biological systems by β -irradiation. <i>Radiation Physics and Chemistry</i> , 2009, 78, 323-327.	2.8	32
9	Detection of Reactive Oxygen Species in Higher Plants. <i>Journal of Plant Biology</i> , 2011, 54, 351-357.	2.1	31
10	<scp>SOG</scp> is a dependent <scp>NAC</scp>103 modulates the <scp>DNA</scp> damage response as a transcriptional regulator in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2019, 98, 83-96.	5.7	28
11	Photosynthetic Capacity of <i>Arabidopsis</i> Plants at the Reproductive Stage Tolerates β Irradiation. <i>Journal of Radiation Research</i> , 2011, 52, 441-449.	1.6	26
12	Regulation of Dual Activity of Ascorbate Peroxidase 1 From <i>Arabidopsis thaliana</i> by Conformational Changes and Posttranslational Modifications. <i>Frontiers in Plant Science</i> , 2021, 12, 678111.	3.6	19
13	Localization of hydrogen peroxide in pumpkin (<i>Cucurbita ficifolia</i> bouché) seedlings exposed to high-dose gamma ray. <i>Journal of Plant Biology</i> , 2006, 49, 1-8.	2.1	17
14	Functional switching of ascorbate peroxidase 2 of rice (<i>OsAPX2</i>) between peroxidase and molecular chaperone. <i>Scientific Reports</i> , 2018, 8, 9171.	3.3	16
15	Thermal Dissipation of Excess Light in <i>Arabidopsis</i> Leaves is Inhibited after Gamma-irradiation. <i>Journal of Plant Biology</i> , 2008, 51, 52-57.	2.1	15
16	Transcriptome-based biological dosimetry of gamma radiation in <i>Arabidopsis</i> using DNA damage response genes. <i>Journal of Environmental Radioactivity</i> , 2018, 181, 94-101.	1.7	14
17	Characterization of histone modifications associated with DNA damage repair genes upon exposure to gamma rays in <i>Arabidopsis</i> seedlings. <i>Journal of Radiation Research</i> , 2016, 57, 646-654.	1.6	13
18	Mutation in DDM1 inhibits the homology directed repair of double strand breaks. <i>PLoS ONE</i> , 2019, 14, e0211878.	2.5	13

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19	Integrated analysis of diverse transcriptomic data from Arabidopsis reveals genetic markers that reliably and reproducibly respond to ionizing radiation. <i>Gene</i> , 2013, 518, 273-279.	2.2	12
20	Cloning, characterization, and expression of two cDNA clones for a rice ferulate-5-hydroxylase gene, a cytochrome P450-dependent monooxygenase. <i>Journal of Plant Biology</i> , 2006, 49, 200-204.	2.1	9
21	Chromosomal Aberrations in Human Peripheral Blood Lymphocytes after Exposure to Ionizing Radiation. <i>Genome Integrity</i> , 2016, 7, 5.	1.0	9
22	Alleviation of low-temperature photoinhibition in gamma-irradiated red pepper (<i>Capsicum annuum</i> L.) plants. <i>Journal of Plant Biology</i> , 2006, 49, 353-357.	2.1	6
23	[6]-Gingerol prevents gamma radiation-induced cell damage in HepG2 cells. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 305, 323-328.	1.5	5
24	Liquid chromatography-tandem mass spectrometry-assisted identification of two salinity-inducible ascorbate peroxidases in a salt-sensitive rice cultivar (<i>Oryza sativa</i> L. cv. "IR-29"). <i>Plant Growth Regulation</i> , 2015, 75, 143-153.	3.4	5
25	Gamma radiation and hormone treatment as tools to reduce salt stress in rice (<i>Oryza sativa</i> L.). <i>Journal of Plant Biology</i> , 2006, 49, 257-260.	2.1	4
26	Application of Gamma Ray-Responsive Genes for Transcriptome-Based Phytodosimetry in Rice. <i>Plants</i> , 2021, 10, 968.	3.5	3
27	Functional properties and the oligomeric state of alkyl hydroperoxide reductase subunit F (AhpF) in <i>Pseudomonas aeruginosa</i> . <i>Protoplasma</i> , 2020, 257, 807-817.	2.1	2