

Seung Sik Lee

List of Publications by Year in descending order

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33
papers

1,146
citations

687363

13
h-index

454955

30
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33
all docs

33
docs citations

33
times ranked

1641
citing authors

#	ARTICLE	IF	CITATIONS
1	Radioprotective effects of centipede grass extract on NIH3T3 fibroblasts via anti-oxidative activity. <i>Experimental and Therapeutic Medicine</i> , 2021, 21, 419.	1.8	5
2	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
3	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
4	Comparative Analysis of Volatile Terpenoids Composition in Rosemary Leaves in Response to Ionizing Radiation. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2020, 23, 594-600.	1.9	5
5	Centipede grass extracts regulate LPS-mediated aberrant immune responses by inhibiting Janus kinase. <i>Phytomedicine</i> , 2019, 55, 172-178.	5.3	3
6	Functional and genomic characterization of a wound- and methyl jasmonate-inducible chalcone isomerase in <i>Eremochloa ophiuroides</i> [Munro] Hack. <i>Plant Physiology and Biochemistry</i> , 2019, 144, 355-364.	5.8	4
7	Transcriptome-guided identification and functional characterization of key terpene synthases involved in constitutive and methyl jasmonate-inducible volatile terpene formation in <i>Eremochloa ophiuroides</i> (Munro) Hack. <i>Plant Physiology and Biochemistry</i> , 2019, 141, 193-201.	5.8	4
8	Mutation in DDM1 inhibits the homology directed repair of double strand breaks. <i>PLoS ONE</i> , 2019, 14, e0211878.	2.5	13
9	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
10	Novel functions of peroxiredoxin Q from <i>Deinococcus radiodurans</i> R1 as a peroxidase and a molecular chaperone. <i>FEBS Letters</i> , 2019, 593, 219-229.	2.8	10
11	Structural insights into stressosome assembly. <i>IUCr</i> , 2019, 6, 938-947.	2.2	11
12	GIGANTEA Regulates the Timing Stabilization of CONSTANS by Altering the Interaction between FKF1 and ZEITLUPE. <i>Molecules and Cells</i> , 2019, 42, 693-701.	2.6	16
13	Gamma irradiation of aloe-emodin induced structural modification and apoptosis through a ROS- and caspase-dependent mitochondrial pathway in stomach tumor cells. <i>International Journal of Radiation Biology</i> , 2018, 94, 403-416.	1.8	15
14	Gamma irradiation-assisted degradation of rosmarinic acid and evaluation of structures and anti-adipogenic properties. <i>Food Chemistry</i> , 2018, 258, 181-188.	8.2	18
15	A Pyridazine-Based Fluorescent Probe Targeting A β 2 Plaques in Alzheimer's Disease. <i>Journal of Analytical Methods in Chemistry</i> , 2018, 2018, 1-5.	1.6	0
16	Functional switching of ascorbate peroxidase 2 of rice (OsAPX2) between peroxidase and molecular chaperone. <i>Scientific Reports</i> , 2018, 8, 9171.	3.3	16
17	Site-specific mutagenesis of yeast 2-Cys peroxiredoxin improves heat or oxidative stress tolerance by enhancing its chaperone or peroxidase function. <i>Protoplasma</i> , 2017, 254, 327-334.	2.1	17
18	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

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19	Enhancement of the Chaperone Activity of Alkyl Hydroperoxide Reductase C from <i>Pseudomonas aeruginosa</i> PAO1 Resulting from a Point-Specific Mutation Confers Heat Tolerance in <i>Escherichia coli</i> . <i>Molecules and Cells</i> , 2016, 39, 594-602.	2.6	8
20	Enhancement of Chaperone Activity of Plant-Specific Thioredoxin through \hat{I}^3 -Ray Mediated Conformational Change. <i>International Journal of Molecular Sciences</i> , 2015, 16, 27302-27312.	4.1	3
21	Site-directed mutagenesis substituting cysteine for serine in 2-Cys peroxiredoxin (2-Cys Prx A) of <i>Arabidopsis thaliana</i> effectively improves its peroxidase and chaperone functions. <i>Annals of Botany</i> , 2015, 116, 713-725.	2.9	26
22	An additional cysteine in a typical 2-Cys peroxiredoxin of <i>Pseudomonas</i> promotes functional switching between peroxidase and molecular chaperone. <i>FEBS Letters</i> , 2015, 589, 2831-2840.	2.8	8
23	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
24	Degradation of cyanidin-3-rutinoside and formation of protocatechuic acid methyl ester in methanol solution by gamma irradiation. <i>Food Chemistry</i> , 2014, 156, 312-318.	8.2	12
25	Removing Undesirable Color and Boosting Biological Activity in Red Beet Extracts Using Gamma Irradiation. , 2012, , .		2
26	Drastic Enhancement of Maysin and Maysin Derivatives Contents in the Centipedegrass Extracts by Different Stresses. , 2012, , .		1
27	Functional switching of a novel prokaryotic 2-Cys peroxiredoxin (PpPrx) under oxidative stress. <i>Cell Stress and Chaperones</i> , 2011, 16, 317-328.	2.9	19
28	Global analysis of disulfide bond proteins in <i>Pseudomonas aeruginosa</i> exposed to hydrogen peroxide and gamma rays. <i>International Journal of Radiation Biology</i> , 2010, 86, 400-408.	1.8	4
29	Heat-shock dependent oligomeric status alters the function of a plant-specific thioredoxin-like protein, AtTDX. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 5978-5983.	7.1	97
30	Development of an embryogenic callus induction method for centipede grass (<i>Eremochloa</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 T - Plant, 2009, 45, 155-161.	2.1	17
31	The relationship between lignin and morphological characteristics of the tracheary elements from cacao (<i>Theobroma cacao</i> L.) Hulls. <i>Journal of Plant Biology</i> , 2008, 51, 139-144.	2.1	5
32	Structural and functional regulation of eukaryotic 2-Cys peroxiredoxins including the plant ones in cellular defense signaling mechanisms against oxidative stress. <i>Physiologia Plantarum</i> , 2006, 126, 549-559.	5.2	26
33	Two Enzymes in One. <i>Cell</i> , 2004, 117, 625-635.	28.9	696