

Chun-Lei Wang

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

1,905
citations

430754

18
h-index

265120

42
g-index

44
all docs

44
docs citations

44
times ranked

1876
citing authors

#	ARTICLE	IF	CITATIONS
1	The genome of the pear (<i>Pyrus bretschneideri</i> Rehd.). <i>Genome Research</i> , 2013, 23, 396-408.	2.4	832
2	S-RNase disrupts tip-localized reactive oxygen species and induces nuclear DNA degradation in incompatible pollen tubes of <i>Pyrus pyrifolia</i> . <i>Journal of Cell Science</i> , 2010, 123, 4301-4309.	1.2	116
3	Hydrogen Sulfide: A Gaseous Molecule in Postharvest Freshness. <i>Frontiers in Plant Science</i> , 2018, 9, 1172.	1.7	75
4	S-RNase triggers mitochondrial alteration and DNA degradation in the incompatible pollen tube of <i>Pyrus pyrifolia</i> in vitro. <i>Plant Journal</i> , 2009, 57, 220-229.	2.8	73
5	Roles of nitric oxide in heavy metal stress in plants: Cross-talk with phytohormones and protein S-nitrosylation. <i>Environmental Pollution</i> , 2020, 259, 113943.	3.7	52
6	Recent progress in the knowledge on the alleviating effect of nitric oxide on heavy metal stress in plants. <i>Plant Physiology and Biochemistry</i> , 2020, 147, 161-171.	2.8	50
7	Effects of ALA on Photosynthesis, Antioxidant Enzyme Activity, and Gene Expression, and Regulation of Proline Accumulation in Tomato Seedlings Under NaCl Stress. <i>Journal of Plant Growth Regulation</i> , 2015, 34, 637-650.	2.8	49
8	Identification of a gene controlling variation in the salt tolerance of rapeseed (<i>Brassica napus</i> L.). <i>Planta</i> , 2015, 242, 313-326.	1.6	45
9	Molecular Determinants and Mechanisms of Gametophytic Self-Incompatibility in Fruit Trees of Rosaceae. <i>Critical Reviews in Plant Sciences</i> , 2013, 32, 53-68.	2.7	39
10	Research Progress on the Functions of Gasotransmitters in Plant Responses to Abiotic Stresses. <i>Plants</i> , 2019, 8, 605.	1.6	39
11	Hydrogen gas alleviates postharvest senescence of cut rose "Movie star" by antagonizing ethylene. <i>Plant Molecular Biology</i> , 2020, 102, 271-285.	2.0	39
12	Hydrogen Sulfide in Plants: Crosstalk with Other Signal Molecules in Response to Abiotic Stresses. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12068.	1.8	34
13	Peroxisomal β -oxidation regulates histone acetylation and DNA methylation in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10576-10585.	3.3	32
14	Low temperature inhibits pollen tube growth by disruption of both tip-localized reactive oxygen species and endocytosis in <i>Pyrus bretschneideri</i> Rehd.. <i>Plant Physiology and Biochemistry</i> , 2014, 74, 255-262.	2.8	30
15	Strigolactone is involved in nitric oxide-enhanced the salt resistance in tomato seedlings. <i>Journal of Plant Research</i> , 2022, 135, 337-350.	1.2	29
16	Genome-wide identification and expression analysis of the trehalose-6-phosphate synthase (<i>TPS</i>) gene family in cucumber (<i>Cucumis sativus</i> L.). <i>PeerJ</i> , 2021, 9, e11398.	0.9	28
17	Nitric Oxide Enhanced Salt Stress Tolerance in Tomato Seedlings, Involving Phytohormone Equilibrium and Photosynthesis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4539.	1.8	22
18	Comparative Proteomic Analysis during the Involvement of Nitric Oxide in Hydrogen Gas-Improved Postharvest Freshness in Cut Lilies. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3955.	1.8	21

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19	Hydrogen gas promotes the adventitious rooting in cucumber under cadmium stress. <i>PLoS ONE</i> , 2019, 14, e0212639.	1.1	21
20	Roles of Small-Molecule Compounds in Plant Adventitious Root Development. <i>Biomolecules</i> , 2019, 9, 420.	1.8	20
21	NO is involved in H ₂ -induced adventitious rooting in cucumber by regulating the expression and interaction of plasma membrane H ⁺ -ATPase and 14-3-3. <i>Planta</i> , 2020, 252, 9.	1.6	20
22	Hydrogen-rich water promotes the formation of bulblets in <i>Lilium davidii</i> var. <i>unicolor</i> through regulating sucrose and starch metabolism. <i>Planta</i> , 2021, 254, 106.	1.6	19
23	Recent Progress in Protein S-Nitrosylation in Phytohormone Signaling. <i>Plant and Cell Physiology</i> , 2019, 60, 494-502.	1.5	18
24	Hydrogen Sulfide Improves the Vase Life and Quality of Cut Roses and Chrysanthemums. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 2532-2547.	2.8	18
25	A cascade signal pathway occurs in self-incompatibility of <i>Pyrus pyrifolia</i> . <i>Plant Signaling and Behavior</i> , 2011, 6, 420-421.	1.2	17
26	SNF1-Related Protein Kinase (SnRK) 1 Involved in the Regulation of Raffinose Family Oligosaccharide Metabolism in Cucumber (<i>Cucumis sativus</i> L.) Calli. <i>Journal of Plant Growth Regulation</i> , 2016, 35, 851-864.	2.8	17
27	Protein S-nitrosylation in programmed cell death in plants. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 1877-1887.	2.4	17
28	An integrated metabolic and transcriptomic analysis reveals the mechanism through which fruit bagging alleviates exocarp semi-russeting in pear fruit. <i>Tree Physiology</i> , 2021, 41, 1306-1318.	1.4	15
29	Nitric Oxide Enhances Salt Tolerance in Tomato Seedlings by Regulating Endogenous S-nitrosylation Levels. <i>Journal of Plant Growth Regulation</i> , 2023, 42, 275-293.	2.8	15
30	Transcriptome and Metabolome Analyses Provide Insights into the Watercore Disorder on 'Akiba' Pear Fruit. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4911.	1.8	12
31	Methane-rich water induces bulblet formation of scale cuttings in <i>Lilium davidii</i> var. <i>unicolor</i> by regulating the signal transduction of phytohormones and their levels. <i>Physiologia Plantarum</i> , 2021, 172, 1919-1930.	2.6	11
32	Hydrogen Peroxide is Involved in Salicylic Acid-Induced Adventitious Rooting in Cucumber Under Cadmium Stress. <i>Journal of Plant Biology</i> , 2022, 65, 43-52.	0.9	10
33	The role and proteomic analysis of ethylene in hydrogen gas-induced adventitious rooting development in cucumber (<i>Cucumis sativus</i> L.) explants. <i>PeerJ</i> , 2020, 8, e8896.	0.9	9
34	Turnover of diacylglycerol kinase 4 by cytoplasmic acidification induces vacuole morphological change and nuclear DNA degradation in the early stage of pear self-incompatibility response. <i>Journal of Integrative Plant Biology</i> , 2021, 63, 2123-2135.	4.1	9
35	Genome-wide identification and expression analysis of serine hydroxymethyltransferase (SHMT) gene family in tomato (<i>Solanum lycopersicum</i>). <i>PeerJ</i> , 2022, 10, e12943.	0.9	9
36	Transcriptome and Metabolite Conjoint Analysis Reveals the Seed Dormancy Release Process in Callery Pear. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2186.	1.8	8

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37	An optimized method to obtain high-quality RNA from different tissues in <i>Lilium davidii</i> var. <i>unicolor</i> . <i>Scientific Reports</i> , 2022, 12, 2825.	1.6	8
38	Deciphering Codon Usage Patterns in Genome of <i>Cucumis sativus</i> in Comparison with Nine Species of Cucurbitaceae. <i>Agronomy</i> , 2021, 11, 2289.	1.3	7
39	A sorbitol transporter gene plays specific role in the occurrence of watercore by modulating the level of intercellular sorbitol in pear. <i>Plant Science</i> , 2022, 317, 111179.	1.7	6
40	Sucrose synthase is involved in the carbohydrate metabolism-based regulation of seed dormancy release in <i>Pyrus calleryana</i> Decne. <i>Journal of Horticultural Science and Biotechnology</i> , 2020, 95, 590-599.	0.9	5
41	S genotyping in Japanese plum and sweet cherry by allele-specific hybridization using streptavidin-coated magnetic beads. <i>Plant Cell Reports</i> , 2013, 32, 567-576.	2.8	3
42	SCR-22 of pollen-dominant S haplotype class is recessive to SCR-44 of pollen-recessive S haplotype class in <i>Brassica rapa</i> . <i>Horticulture Research</i> , 2019, 6, 25.	2.9	3
43	Watercore Pear Fruit Respiration Changed and Accumulated $\hat{3}$ -Aminobutyric Acid (GABA) in Response to Inner Hypoxia Stress. <i>Genes</i> , 2022, 13, 977.	1.0	3