

Hong Luo

List of Publications by Year in descending order

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91
papers

4,751
citations

126907

33
h-index

102487

66
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98
all docs

98
docs citations

98
times ranked

5825
citing authors

#	ARTICLE	IF	CITATIONS
1	Uptake, Translocation, and Transmission of Carbon Nanomaterials in Rice Plants. <i>Small</i> , 2009, 5, 1128-1132.	10.0	478
2	Corrosion behavior of an equiatomic CoCrFeMnNi high-entropy alloy compared with 304 stainless steel in sulfuric acid solution. <i>Corrosion Science</i> , 2018, 134, 131-139.	6.6	465
3	Constitutive Expression of a <i>miR319</i> Gene Alters Plant Development and Enhances Salt and Drought Tolerance in Transgenic Creeping Bentgrass. <i>Plant Physiology</i> , 2013, 161, 1375-1391.	4.8	378
4	CVTree: a phylogenetic tree reconstruction tool based on whole genomes. <i>Nucleic Acids Research</i> , 2004, 32, W45-W47.	14.5	202
5	Complete chloroplast genome sequences of <i>Hordeum vulgare</i> , <i>Sorghum bicolor</i> and <i>Agrostis stolonifera</i> , and comparative analyses with other grass genomes. <i>Theoretical and Applied Genetics</i> , 2007, 115, 571-590.	3.6	194
6	Passivation and electrochemical behavior of 316L stainless steel in chlorinated simulated concrete pore solution. <i>Applied Surface Science</i> , 2017, 400, 38-48.	6.1	171
7	Heterologous expression of <i>Arabidopsis</i> H ⁺ pyrophosphatase enhances salt tolerance in transgenic creeping bentgrass (<i>Agrostis stolonifera</i> L.). <i>Plant, Cell and Environment</i> , 2010, 33, 272-289.	5.7	158
8	Constitutive Expression of Rice <i>MicroRNA528</i> Alters Plant Development and Enhances Tolerance to Salinity Stress and Nitrogen Starvation in Creeping Bentgrass. <i>Plant Physiology</i> , 2015, 169, 576-593.	4.8	136
9	MicroRNA-mediated gene regulation: potential applications for plant genetic engineering. <i>Plant Molecular Biology</i> , 2013, 83, 59-75.	3.9	118
10	Bph32, a novel gene encoding an unknown SCR domain-containing protein, confers resistance against the brown planthopper in rice. <i>Scientific Reports</i> , 2016, 6, 37645.	3.3	118
11	A strong and ductile medium-entropy alloy resists hydrogen embrittlement and corrosion. <i>Nature Communications</i> , 2020, 11, 3081.	12.8	116
12	Extensive variation within the pan-genome of cultivated and wild sorghum. <i>Nature Plants</i> , 2021, 7, 766-773.	9.3	94
13	Overexpression of the Rice SUMO E3 Ligase Gene <i>OsSIZ1</i> in Cotton Enhances Drought and Heat Tolerance, and Substantially Improves Fiber Yields in the Field under Reduced Irrigation and Rainfed Conditions. <i>Plant and Cell Physiology</i> , 2017, 58, 735-746.	3.1	86
14	AshSP17, a creeping bentgrass small heat shock protein modulates plant photosynthesis and ABA-dependent and independent signalling to attenuate plant response to abiotic stress. <i>Plant, Cell and Environment</i> , 2016, 39, 1320-1337.	5.7	82
15	RTS, a rice anther-specific gene is required for male fertility and its promoter sequence directs tissue-specific gene expression in different plant species. <i>Plant Molecular Biology</i> , 2006, 62, 397-408.	3.9	79
16	Heterologous expression of <i>OsSIZ1</i> , a rice SUMO E3 ligase, enhances broad abiotic stress tolerance in transgenic creeping bentgrass. <i>Plant Biotechnology Journal</i> , 2013, 11, 432-445.	8.3	79
17	Transcriptomic profiling of tall fescue in response to heat stress and improved thermotolerance by melatonin and 24-epibrassinolide. <i>BMC Genomics</i> , 2018, 19, 224.	2.8	78
18	Transgenic creeping bentgrass overexpressing <i>Osa-miR393a</i> exhibits altered plant development and improved multiple stress tolerance. <i>Plant Biotechnology Journal</i> , 2019, 17, 233-251.	8.3	75

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19	Ectopic expression of a cyanobacterial flavodoxin in creeping bentgrass impacts plant development and confers broad abiotic stress tolerance. <i>Plant Biotechnology Journal</i> , 2017, 15, 433-446.	8.3	66
20	MiR319 mediated salt tolerance by ethylene. <i>Plant Biotechnology Journal</i> , 2019, 17, 2370-2383.	8.3	64
21	MicroRNA396-mediated alteration in plant development and salinity stress response in creeping bentgrass. <i>Horticulture Research</i> , 2019, 6, 48.	6.3	64
22	Mitochondrial DNA polymorphism and phylogenetic relationships in <i>Hevea brasiliensis</i> . <i>Molecular Breeding</i> , 1995, 1, 51-63.	2.1	62
23	Direct plant gene delivery with a poly(amidoamine) dendrimer. <i>Biotechnology Journal</i> , 2008, 3, 1078-1082.	3.5	60
24	Understanding and identifying amino acid repeats. <i>Briefings in Bioinformatics</i> , 2014, 15, 582-591.	6.5	60
25	Role of microRNA319 in creeping bentgrass salinity and drought stress response. <i>Plant Signaling and Behavior</i> , 2014, 9, e28700.	2.4	59
26	Sweet Sorghum Originated through Selection of <i>Dry1</i> , a Plant-Specific NAC Transcription Factor Gene. <i>Plant Cell</i> , 2018, 30, 2286-2307.	6.6	55
27	The Two Major Types of Plant Plasma Membrane H ⁺ -ATPases Show Different Enzymatic Properties and Confer Differential pH Sensitivity of Yeast Growth1. <i>Plant Physiology</i> , 1999, 119, 627-634.	4.8	52
28	STRESS INDUCED FACTOR 2, a Leucine-Rich Repeat Kinase Regulates Basal Plant Pathogen Defense. <i>Plant Physiology</i> , 2018, 176, 3062-3080.	4.8	49
29	Sorghum breeding in the genomic era: opportunities and challenges. <i>Theoretical and Applied Genetics</i> , 2021, 134, 1899-1924.	3.6	48
30	SorGSD: a sorghum genome SNP database. <i>Biotechnology for Biofuels</i> , 2016, 9, 6.	6.2	44
31	Predicting protein sumoylation sites from sequence features. <i>Amino Acids</i> , 2012, 43, 447-455.	2.7	42
32	Co-transfer and expression of chitinase, glucanase, and bar genes in creeping bentgrass for conferring fungal disease resistance. <i>Plant Science</i> , 2003, 165, 497-506.	3.6	41
33	Transcriptome profiling of developmental leaf senescence in sorghum (<i>Sorghum bicolor</i>). <i>Plant Molecular Biology</i> , 2016, 92, 555-580.	3.9	36
34	Genetic analysis and gene fine mapping of aroma in rice (<i>Oryza sativa</i> L. Cyperales, Poaceae). <i>Genetics and Molecular Biology</i> , 2008, 31, 532-538.	1.3	35
35	MiR396-GRF module associates with switchgrass biomass yield and feedstock quality. <i>Plant Biotechnology Journal</i> , 2021, 19, 1523-1536.	8.3	35
36	Controlling Transgene Escape in GM Creeping Bentgrass. <i>Molecular Breeding</i> , 2005, 16, 185-188.	2.1	32

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37	Impacts of Altered Light Spectral Quality on Warm Season Turfgrass Growth under Greenhouse Conditions. <i>Crop Science</i> , 2009, 49, 1444-1453.	1.8	32
38	FLP recombinase-mediated site-specific recombination in rice. <i>Plant Biotechnology Journal</i> , 2008, 6, 176-188.	8.3	31
39	Heterologous expression of a rice miR395 gene in <i>Nicotiana tabacum</i> impairs sulfate homeostasis. <i>Scientific Reports</i> , 2016, 6, 28791.	3.3	29
40	SNP-based high density genetic map and mapping of btwd1 dwarfing gene in barley. <i>Scientific Reports</i> , 2016, 6, 31741.	3.3	29
41	Genome-wide identification and characterization of LRR-RLKs reveal functional conservation of the SIF subfamily in cotton (<i>Gossypium hirsutum</i>). <i>BMC Plant Biology</i> , 2018, 18, 185.	3.6	28
42	AsHSP26.8a, a creeping bentgrass small heat shock protein integrates different signaling pathways to modulate plant abiotic stress response. <i>BMC Plant Biology</i> , 2020, 20, 184.	3.6	27
43	Expression of a Novel Antimicrobial Peptide Penaeidin4-1 in Creeping Bentgrass (<i>Agrostis stolonifera</i>) Tj ETQq1 1 0.784314 rgBT /Ove	2.5	26
44	Enhancing catalytic activity of tungsten disulfide through topology. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117802.	20.2	26
45	Nitrogen and Plant Growth Regulator Influence on "Champion"™ Bermudagrass Putting Green under Reduced Sunlight. <i>Agronomy Journal</i> , 2009, 101, 75-81.	1.8	24
46	Genome-wide patterns of large size presence/absence variants in sorghum. <i>Journal of Integrative Plant Biology</i> , 2014, 56, 24-37.	8.5	22
47	Production of 15N-labeled Î±-amanitin in <i>Galerina marginata</i> . <i>Toxicon</i> , 2015, 103, 60-64.	1.6	21
48	MiR396 is involved in plant response to vernalization and flower development in <i>Agrostis stolonifera</i> . <i>Horticulture Research</i> , 2020, 7, 173.	6.3	21
49	Genome of lethal <i>Lepiota venenata</i> and insights into the evolution of toxin-biosynthetic genes. <i>BMC Genomics</i> , 2019, 20, 198.	2.8	20
50	Promoter analysis in transient assays using a GUS reporter gene construct in creeping bentgrass (<i>Agrostis palustris</i>). <i>Journal of Plant Physiology</i> , 2003, 160, 1233-1239.	3.5	19
51	The MSDIN family in amanitin-producing mushrooms and evolution of the prolyl oligopeptidase genes. <i>IMA Fungus</i> , 2018, 9, 225-242.	3.8	19
52	Zr ₂ O ₂ Coating-Improved Corrosion Resistance for the Anodic Dissolution Induced by Cathodic Transient Potential. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 40111-40124.	8.0	19
53	Hydrogen induced microstructure evolution and cracking mechanism in a metastable dual-phase high-entropy alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 819, 141490.	5.6	19
54	Adventitious shoot regeneration from in vitro cultured leaf explants of peach rootstock Guardian® is significantly enhanced by silver thiosulfate. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 120, 757-765.	2.3	17

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55	A comprehensive study on frictional dependence and predictive accuracy of viscoelastic model for optical glass using compression creep test. <i>Journal of the American Ceramic Society</i> , 2019, 102, 6606-6617.	3.8	17
56	A chloroplast heat shock protein modulates growth and abiotic stress response in creeping bentgrass. <i>Plant, Cell and Environment</i> , 2021, 44, 1769-1787.	5.7	16
57	New genomic resources for switchgrass: a BAC library and comparative analysis of homoeologous genomic regions harboring bioenergy traits. <i>BMC Genomics</i> , 2011, 12, 369.	2.8	15
58	DRMY1, a Myb-Like Protein, Regulates Cell Expansion and Seed Production in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2019, 60, 285-302.	3.1	15
59	Genomic footprints of sorghum domestication and breeding selection for multiple end uses. <i>Molecular Plant</i> , 2022, 15, 537-551.	8.3	15
60	ProRepeat: an integrated repository for studying amino acid tandem repeats in proteins. <i>Nucleic Acids Research</i> , 2012, 40, D394-D399.	14.5	14
61	Effect of yttrium on properties of copper prepared by powder metallurgy. <i>Advanced Powder Technology</i> , 2015, 26, 1079-1086.	4.1	14
62	Homeostatic regulation of flavonoid and lignin biosynthesis in phenylpropanoid pathway of transgenic tobacco. <i>Gene</i> , 2022, 809, 146017.	2.2	14
63	Genomic tools development for <i>Aquilegia</i> : construction of a BAC-based physical map. <i>BMC Genomics</i> , 2010, 11, 621.	2.8	13
64	Eigenfrequency characterization and tuning of Ti-6Al-4V ultrasonic horn at high temperatures for glass molding. <i>Ultrasonics</i> , 2020, 101, 106002.	3.9	13
65	FLP-mediated site-specific recombination for genome modification in turfgrass. <i>Biotechnology Letters</i> , 2006, 28, 1793-1804.	2.2	12
66	Copper-tungsten electrode wear process and carbon layer characterization in electrical discharge machining. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 85, 1759-1768.	3.0	12
67	SorGSD: updating and expanding the sorghum genome science database with new contents and tools. <i>Biotechnology for Biofuels</i> , 2021, 14, 165.	6.2	12
68	RDfold: a web server for prediction of RNA secondary structure. <i>Nucleic Acids Research</i> , 2004, 32, W150-W153.	14.5	11
69	Mechanism study on microformability of optical glass in ultrasonic-assisted molding process. <i>International Journal of Applied Glass Science</i> , 2019, 10, 103-114.	2.0	11
70	Genes and evolutionary fates of the amanitin biosynthesis pathway in poisonous mushrooms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2201113119.	7.1	10
71	Reconstruction of high-speed cam curve based on high-order differential interpolation and shape adjustment. <i>Applied Mathematics and Computation</i> , 2019, 356, 272-281.	2.2	9
72	Novel Cyclic Peptides from Lethal <i>Amanita</i> Mushrooms through a Genome-Guided Approach. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 204.	3.5	9

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73	The Effect of Melt Overheating on the Melt Structure Transition and Solidified Structures of Al-La Alloy. <i>Jom</i> , 2015, 67, 948-954.	1.9	7
74	Effects of Cu particle size on CuSnFeNi/diamond composite processed using hybrid microwave sintering. <i>Powder Metallurgy</i> , 2019, 62, 124-132.	1.7	7
75	Controlling Transgene Escape in Genetically Modified Grasses. , 2004, , 245-254.		6
76	Random forest-based prediction of protein sumoylation sites from sequence features. , 2010, , .		5
77	Expression of the shrimp antimicrobial peptide penaeidin 4-1 confers resistance against brown patch disease in tall fescue. <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 125, 599-603.	2.3	5
78	Winter Foot and Equipment Traffic Impacts on a "L93" Creeping Bentgrass Putting Green. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2008, 43, 922-926.	1.0	5
79	CgbZIP1: A bZIP Transcription Factor from <i>Chrysanthemum Grandiflora</i> Confers Plant Tolerance to Salinity and Drought Stress. <i>Agronomy</i> , 2022, 12, 556.	3.0	5
80	Variant mitochondrial transcripts of a broad bean line are associated with two point mutations located upstream of the nad5 exon c. <i>Plant Science</i> , 1997, 129, 203-212.	3.6	4
81	Turf Grasses. , 2006, 344, 83-95.		4
82	Effect of trace Sr and Sc contents and ultrasonic vibration on the microstructure and mechanical properties of the A380 alloy. <i>Advances in Mechanical Engineering</i> , 2018, 10, 168781401877517.	1.6	4
83	Morphology, Multilocus Phylogeny, and Toxin Analysis Reveal <i>Amanita albolimbata</i> , the First Lethal <i>Amanita</i> Species From Benin, West Africa. <i>Frontiers in Microbiology</i> , 2020, 11, 599047.	3.5	4
84	Effects of Melt Thermal-Rate Treatment and Modification of Y on Zn-27Al Alloy. <i>Jom</i> , 2015, 67, 991-995.	1.9	3
85	Study effects on diamond concentration of CuSnFeNi/diamond composite on grinding WC. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 104, 2863-2873.	3.0	3
86	Differential Expression of Amanitin Biosynthetic Genes and Novel Cyclic Peptides in <i>Amanita molluscula</i> . <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 384.	3.5	3
87	Investigation of the Antifouling Mechanism of Electroless Nickel"Phosphorus Coating against Sand and Bitumen. <i>Energy & Fuels</i> , 2019, 33, 6350-6360.	5.1	2
88	Effects of La2O3 on Mechanical Properties and Corrosion Resistance of H62 Brass. <i>Jom</i> , 2017, 69, 184-190.	1.9	1
89	Manipulating Expression of Tonoplast Transporters. , 2012, 913, 359-369.		0
90	Glass viscoelasticity determination and analysis based on TMA compression creep. , 2019, , .		0

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91	Biolytic DNA Delivery in Turfgrass Embryonic Callus Initiated from Mature Seeds. <i>Methods in Molecular Biology</i> , 2020, 2124, 251-261.	0.9	0