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 g-index
98 all docs	98 docs citations	98 times ranked	5825 citing authors

#	Article	IF	Citations
1	Homeostatic regulation of flavonoid and lignin biosynthesis in phenylpropanoid pathway of transgenic tobacco. Gene, 2022, 809, 146017.	2.2	14
2	Genomic footprints of sorghum domestication and breeding selection for multiple end uses. Molecular Plant, 2022, 15, 537-551.	8.3	15
3	CgbZIP1: A bZIP Transcription Factor from Chrysanthemum Grandiflora Confers Plant Tolerance to Salinity and Drought Stress. Agronomy, 2022, 12, 556.	3.0	5
4	Genes and evolutionary fates of the amanitin biosynthesis pathway in poisonous mushrooms. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2201113119.	7.1	10
5	MiR396â€GRF module associates with switchgrass biomass yield and feedstock quality. Plant Biotechnology Journal, 2021, 19, 1523-1536.	8.3	35
6	A chloroplast heat shock protein modulates growth and abiotic stress response in creeping bentgrass. Plant, Cell and Environment, 2021, 44, 1769-1787.	5.7	16
7	Sorghum breeding in the genomic era: opportunities and challenges. Theoretical and Applied Genetics, 2021, 134, 1899-1924.	3.6	48
8	Novel Cyclic Peptides from Lethal Amanita Mushrooms through a Genome-Guided Approach. Journal of Fungi (Basel, Switzerland), 2021, 7, 204.	3.5	9
9	Extensive variation within the pan-genome of cultivated and wild sorghum. Nature Plants, 2021, 7, 766-773.	9.3	94
10	Differential Expression of Amanitin Biosynthetic Genes and Novel Cyclic Peptides in Amanita molliuscula. Journal of Fungi (Basel, Switzerland), 2021, 7, 384.	3.5	3
11	Hydrogen induced microstructure evolution and cracking mechanism in a metastable dual-phase high-entropy alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 819, 141490.	5.6	19
12	SorGSD: updating and expanding the sorghum genome science database with new contents and tools. Biotechnology for Biofuels, 2021, 14, 165.	6.2	12
13	Eigenfrequency characterization and tuning of Ti-6Al-4V ultrasonic horn at high temperatures for glass molding. Ultrasonics, 2020, 101, 106002.	3.9	13
14	Morphology, Multilocus Phylogeny, and Toxin Analysis Reveal Amanita albolimbata, the First Lethal Amanita Species From Benin, West Africa. Frontiers in Microbiology, 2020, 11, 599047.	3.5	4
15	MiR396 is involved in plant response to vernalization and flower development in Agrostis stolonifera. Horticulture Research, 2020, 7, 173.	6.3	21
16	A strong and ductile medium-entropy alloy resists hydrogen embrittlement and corrosion. Nature Communications, 2020, 11, 3081.	12.8	116
17	AsHSP26.8a, a creeping bentgrass small heat shock protein integrates different signaling pathways to modulate plant abiotic stress response. BMC Plant Biology, 2020, 20, 184.	3.6	27
18	Biolistic DNA Delivery in Turfgrass Embryonic Callus Initiated from Mature Seeds. Methods in Molecular Biology, 2020, 2124, 251-261.	0.9	0

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19	Mechanism study on microformability of optical glass in ultrasonicâ€assisted molding process. International Journal of Applied Glass Science, 2019, 10, 103-114.	2.0	11
20	Transgenic creeping bentgrass overexpressing Osaâ€miR393a exhibits altered plant development and improved multiple stress tolerance. Plant Biotechnology Journal, 2019, 17, 233-251.	8.3	75
21	Study effects on diamond concentration of CuSnFeNi/diamond composite on grinding WC. International Journal of Advanced Manufacturing Technology, 2019, 104, 2863-2873.	3.0	3
22	Investigation of the Antifouling Mechanism of Electroless Nickelâ€“Phosphorus Coating against Sand and Bitumen. Energy & Fuels, 2019, 33, 6350-6360.	5.1	2
23	Enhancing catalytic activity of tungsten disulfide through topology. Applied Catalysis B: Environmental, 2019, 256, 117802.	20.2	26
24	MiR319 mediated salt tolerance by ethylene. Plant Biotechnology Journal, 2019, 17, 2370-2383.	8.3	64
25	Effects of Cu particle size on CuSnFeNi/diamond composite processed using hybrid microwave sintering. Powder Metallurgy, 2019, 62, 124-132.	1.7	7
26	MicroRNA396-mediated alteration in plant development and salinity stress response in creeping bentgrass. Horticulture Research, 2019, 6, 48.	6.3	64
27	A comprehensive study on frictional dependence and predictive accuracy of viscoelastic model for optical glass using compression creep test. Journal of the American Ceramic Society, 2019, 102, 6606-6617.	3.8	17
28	Genome of lethal Lepiota venenata and insights into the evolution of toxin-biosynthetic genes. BMC Genomics, 2019, 20, 198.	2.8	20
29	Reconstruction of high-speed cam curve based on high-order differential interpolation and shape adjustment. Applied Mathematics and Computation, 2019, 356, 272-281.	2.2	9
30	DRMY1, a Myb-Like Protein, Regulates Cell Expansion and Seed Production in Arabidopsis thaliana. Plant and Cell Physiology, 2019, 60, 285-302.	3.1	15
31	Glass viscoelasticity determination and analysis based on TMA compression creep. , 2019, , .		0
32	STRESS INDUCED FACTOR 2, a Leucine-Rich Repeat Kinase Regulates Basal Plant Pathogen Defense. Plant Physiology, 2018, 176, 3062-3080.	4.8	49
33	Corrosion behavior of an equiatomic CoCrFeMnNi high-entropy alloy compared with 304 stainless steel in sulfuric acid solution. Corrosion Science, 2018, 134, 131-139.	6.6	465
34	Transcriptomic profiling of tall fescue in response to heat stress and improved thermotolerance by melatonin and 24-epibrassinolide. BMC Genomics, 2018, 19, 224.	2.8	78
35	The MSDIN family in amanitin-producing mushrooms and evolution of the prolyl oligopeptidase genes. IMA Fungus, 2018, 9, 225-242.	3.8	19
36	Zr₂N₂O Coating-Improved Corrosion Resistance for the Anodic Dissolution Induced by Cathodic Transient Potential. ACS Applied Materials & Interfaces, 2018, 10, 40111-40124.	8.0	19

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37	Sweet Sorghum Originated through Selection of Dry, a Plant-Specific NAC Transcription Factor Gene. Plant Cell, 2018, 30, 2286-2307.	6.6	55
38	Genome-wide identification and characterization of LRR-RLKs reveal functional conservation of the SIF subfamily in cotton (Gossypium hirsutum). BMC Plant Biology, 2018, 18, 185.	3.6	28
39	Effect of trace Sr and Sc contents and ultrasonic vibration on the microstructure and mechanical properties of the A380 alloy. Advances in Mechanical Engineering, 2018, 10, 168781401877517.	1.6	4
40	Effects of La2O3 on Mechanical Properties and Corrosion Resistance of H62 Brass. Jom, 2017, 69, 184-190.	1.9	1
41	Passivation and electrochemical behavior of 316L stainless steel in chlorinated simulated concrete pore solution. Applied Surface Science, 2017, 400, 38-48.	6.1	171
42	Ectopic expression of a cyanobacterial flavodoxin in creeping bentgrass impacts plant development and confers broad abiotic stress tolerance. Plant Biotechnology Journal, 2017, 15, 433-446.	8.3	66
43	Overexpression of the Rice SUMO E3 Ligase Gene OsSIZ1 in Cotton Enhances Drought and Heat Tolerance, and Substantially Improves Fiber Yields in the Field under Reduced Irrigation and Rainfed Conditions. Plant and Cell Physiology, 2017, 58, 735-746.	3.1	86
44	AsHSP17, a creeping bentgrass small heat shock protein modulates plant photosynthesis and ABAâ€dependent and independent signalling to attenuate plant response to abiotic stress. Plant, Cell and Environment, 2016, 39, 1320-1337.	5.7	82
45	Heterologous expression of a rice miR395 gene in Nicotiana tabacum impairs sulfate homeostasis. Scientific Reports, 2016, 6, 28791.	3.3	29
46	Transcriptome profiling of developmental leaf senescence in sorghum (Sorghum bicolor). Plant Molecular Biology, 2016, 92, 555-580.	3.9	36
47	Bph32, a novel gene encoding an unknown SCR domain-containing protein, confers resistance against the brown planthopper in rice. Scientific Reports, 2016, 6, 37645.	3.3	118
48	SNP-based high density genetic map and mapping of btwd1 dwarfing gene in barley. Scientific Reports, 2016, 6, 31741.	3.3	29
49	Expression of the shrimp antimicrobial peptide penaeidin 4-1 confers resistance against brown patch disease in tall fescue. Plant Cell, Tissue and Organ Culture, 2016, 125, 599-603.	2.3	5
50	Copperâ€“tungsten electrode wear process and carbon layer characterization in electrical discharge machining. International Journal of Advanced Manufacturing Technology, 2016, 85, 1759-1768.	3.0	12
51	SorGSD: a sorghum genome SNP database. Biotechnology for Biofuels, 2016, 9, 6.	6.2	44
52	Effect of yttrium on properties of copper prepared by powder metallurgy. Advanced Powder Technology, 2015, 26, 1079-1086.	4.1	14
53	The Effect of Melt Overheating on the Melt Structure Transition and Solidified Structures of Al-La Alloy. Jom, 2015, 67, 948-954.	1.9	7
54	Effects of Melt Thermal-Rate Treatment and Modification of Y on Zn-27Al Alloy. Jom, 2015, 67, 991-995.	1.9	3

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55	Constitutive Expression of Rice MicroRNA528 Alters Plant Development and Enhances Tolerance to Salinity Stress and Nitrogen Starvation in Creeping Bentgrass. Plant Physiology, 2015, 169, 576-593.	4.8	136
56	Production of 15N-labeled Î±-amanitin in Galerina marginata. Toxicon, 2015, 103, 60-64.	1.6	21
57	Adventitious shoot regeneration from in vitro cultured leaf explants of peach rootstock GuardianÂ® is significantly enhanced by silver thiosulfate. Plant Cell, Tissue and Organ Culture, 2015, 120, 757-765.	2.3	17
58	Role of microRNA319 in creeping bentgrass salinity and drought stress response. Plant Signaling and Behavior, 2014, 9, e28700.	2.4	59
59	Understanding and identifying amino acid repeats. Briefings in Bioinformatics, 2014, 15, 582-591.	6.5	60
60	Genomeâ€<scp>w</scp>ide patterns of largeâ€<scp>s</scp>ize presence/<scp>a</scp>bsence variants in sorghum. Journal of Integrative Plant Biology, 2014, 56, 24-37.	8.5	22
61	MicroRNA-mediated gene regulation: potential applications for plant genetic engineering. Plant Molecular Biology, 2013, 83, 59-75.	3.9	118
62	Heterologous expression of Os<scp>SIZ</scp>1, a rice <scp>SUMO E</scp>3 ligase, enhances broad abiotic stress tolerance in transgenic creeping bentgrass. Plant Biotechnology Journal, 2013, 11, 432-445.	8.3	79
63	Constitutive Expression of a miR319 Gene Alters Plant Development and Enhances Salt and Drought Tolerance in Transgenic Creeping Bentgrass. Plant Physiology, 2013, 161, 1375-1391.	4.8	378
64	ProRepeat: an integrated repository for studying amino acid tandem repeats in proteins. Nucleic Acids Research, 2012, 40, D394-D399.	14.5	14
65	Predicting protein sumoylation sites from sequence features. Amino Acids, 2012, 43, 447-455.	2.7	42
66	Manipulating Expression of Tonoplast Transporters. , 2012, 913, 359-369.		0
67	Expression of a Novel Antimicrobial Peptide Penaeidin4-1 in Creeping Bentgrass (Agrostis stolonifera) Tj ETQq1 1 0.784314 rgBT /Ove	2.5	26
68	New genomic resources for switchgrass: a BAC library and comparative analysis of homoeologous genomic regions harboring bioenergy traits. BMC Genomics, 2011, 12, 369.	2.8	15
69	Genomic tools development for Aquilegia: construction of a BAC-based physical map. BMC Genomics, 2010, 11, 621.	2.8	13
70	Heterologous expression of Arabidopsis H⁺â€pyrophosphatase enhances salt tolerance in transgenic creeping bentgrass (Agrostis stolonifera L.). Plant, Cell and Environment, 2010, 33, 272-289.	5.7	158
71	Random forest-based prediction of protein sumoylation sites from sequence features. , 2010, , .		5
72	Uptake, Translocation, and Transmission of Carbon Nanomaterials in Rice Plants. Small, 2009, 5, 1128-1132.	10.0	478

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73	Nitrogen and Plant Growth Regulator Influence on â€˜Championâ€™ Bermudagrass Putting Green under Reduced Sunlight. Agronomy Journal, 2009, 101, 75-81.	1.8	24
74	Impacts of Altered Light Spectral Quality on Warm Season Turfgrass Growth under Greenhouse Conditions. Crop Science, 2009, 49, 1444-1453.	1.8	32
75	Direct plant gene delivery with a poly(amidoamine) dendrimer. Biotechnology Journal, 2008, 3, 1078-1082.	3.5	60
76	FLP recombinase-mediated site-specific recombination in rice. Plant Biotechnology Journal, 2008, 6, 176-188.	8.3	31
77	Genetic analysis and gene fine mapping of aroma in rice (Oryza sativa L. Cyperales, Poaceae). Genetics and Molecular Biology, 2008, 31, 532-538.	1.3	35
78	Winter Foot and Equipment Traffic Impacts on a â€˜L93â€™ Creeping Bentgrass Putting Green. Hortscience: A Publication of the American Society for Hortcultural Science, 2008, 43, 922-926.	1.0	5
79	Complete chloroplast genome sequences of Hordeum vulgare, Sorghum bicolor and Agrostis stolonifera, and comparative analyses with other grass genomes. Theoretical and Applied Genetics, 2007, 115, 571-590.	3.6	194
80	RTS, a rice anther-specific gene is required for male fertility and its promoter sequence directs tissue-specific gene expression in different plant species. Plant Molecular Biology, 2006, 62, 397-408.	3.9	79
81	FLP-mediated site-specific recombination for genome modification in turfgrass. Biotechnology Letters, 2006, 28, 1793-1804.	2.2	12
82	Turf Grasses. , 2006, 344, 83-95.		4
83	Controlling Transgene Escape in GM Creeping Bentgrass. Molecular Breeding, 2005, 16, 185-188.	2.1	32
84	RDfolder: a web server for prediction of RNA secondary structure. Nucleic Acids Research, 2004, 32, W150-W153.	14.5	11
85	CVTree: a phylogenetic tree reconstruction tool based on whole genomes. Nucleic Acids Research, 2004, 32, W45-W47.	14.5	202
86	Controlling Transgene Escape in Genetically Modified Grasses. , 2004, , 245-254.		6
87	Co-transfer and expression of chitinase, glucanase, and bar genes in creeping bentgrass for conferring fungal disease resistance. Plant Science, 2003, 165, 497-506.	3.6	41
88	Promoter analysis in transient assays using a GUS reporter gene construct in creeping bentgrass (Agrostis palustris). Journal of Plant Physiology, 2003, 160, 1233-1239.	3.5	19
89	The Two Major Types of Plant Plasma Membrane H+-ATPases Show Different Enzymatic Properties and Confer Differential pH Sensitivity of Yeast Growth1. Plant Physiology, 1999, 119, 627-634.	4.8	52
90	Variant mitochondrial transcripts of a broad bean line are associated with two point mutations located upstream of the nad5 exon c. Plant Science, 1997, 129, 203-212.	3.6	4

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91	Mitochondrial DNA polymorphism and phylogenetic relationships inHevea brasiliensis. Molecular Breeding, 1995, 1, 51-63.	2.1	62