Hong Luo

List of Publications by Year
in descending order

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57 papers	3,166 citations	201385 27 h-index	182168 51 g-index
59 all docs	59 docs citations	59 times ranked	4030 citing authors

#	Article	IF	Citations
1	Uptake, Translocation, and Transmission of Carbon Nanomaterials in Rice Plants. Small, 2009, 5, 1128-1132.	5.2	478
2	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.	2.3	378
3	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.	1.8	194
4	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.	2.8	158
5	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.	2.3	136
6	MicroRNA-mediated gene regulation: potential applications for plant genetic engineering. Plant Molecular Biology, 2013, 83, 59-75.	2.0	118
7	Bph32, a novel gene encoding an unknown SCR domain-containing protein, confers resistance against the brown planthopper in rice. Scientific Reports, 2016, 6, 37645.	1.6	118
8	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.	1.5	86
9	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.	2.8	82
10	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.	2.0	79
11	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.	4.1	79
12	Transcriptomic profiling of tall fescue in response to heat stress and improved thermotolerance by melatonin and 24-epibrassinolide. BMC Genomics, 2018, 19, 224.	1.2	78
13	Transgenic creeping bentgrass overexpressing Osaâ€miR393a exhibits altered plant development and improved multiple stress tolerance. Plant Biotechnology Journal, 2019, 17, 233-251.	4.1	75
14	FLP-mediated recombination for use in hybrid plant production. Plant Journal, 2000, 23, 423-430.	2.8	66
15	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.	4.1	66
16	MiR319 mediated salt tolerance by ethylene. Plant Biotechnology Journal, 2019, 17, 2370-2383.	4.1	64
17	MicroRNA396-mediated alteration in plant development and salinity stress response in creeping bentgrass. Horticulture Research, 2019, 6, 48.	2.9	64
18	Mitochondrial DNA polymorphism and phylogenetic relationships inHevea brasiliensis. Molecular Breeding, 1995, 1, 51-63.	1.0	62

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19	Role of microRNA319 in creeping bentgrass salinity and drought stress response. Plant Signaling and Behavior, 2014, 9, e28700.	1.2	59
20	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.	2.3	52
21	STRESS INDUCED FACTOR 2, a Leucine-Rich Repeat Kinase Regulates Basal Plant Pathogen Defense. Plant Physiology, 2018, 176, 3062-3080.	2.3	49
22	Predicting protein sumoylation sites from sequence features. Amino Acids, 2012, 43, 447-455.	1.2	42
23	Co-transfer and expression of chitinase, glucanase, and bar genes in creeping bentgrass for conferring fungal disease resistance. Plant Science, 2003, 165, 497-506.	1.7	41
24	MiR396â€GRF module associates with switchgrass biomass yield and feedstock quality. Plant Biotechnology Journal, 2021, 19, 1523-1536.	4.1	35
25	Controlling Transgene Escape in GM Creeping Bentgrass. Molecular Breeding, 2005, 16, 185-188.	1.0	32
26	Impacts of Altered Light Spectral Quality on Warm Season Turfgrass Growth under Greenhouse Conditions. Crop Science, 2009, 49, 1444-1453.	0.8	32
27	FLP recombinase-mediated site-specific recombination in rice. Plant Biotechnology Journal, 2008, 6, 176-188.	4.1	31
28	Heterologous expression of a rice miR395 gene in Nicotiana tabacum impairs sulfate homeostasis. Scientific Reports, 2016, 6, 28791.	1.6	29
29	SNP-based high density genetic map and mapping of btwd1 dwarfing gene in barley. Scientific Reports, 2016, 6, 31741.	1.6	29
30	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.	1.6	28
31	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.	1.6	27
32	Expression of a Novel Antimicrobial Peptide Penaeidin4-1 in Creeping Bentgrass (Agrostis stolonifera) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.1	26
33	Comparative transcriptome profiling provides insights into plant salt tolerance in seashore paspalum (Paspalum vaginatum). BMC Genomics, 2020, 21, 131.	1.2	26
34	Nitrogen and Plant Growth Regulator Influence on â€˜Championâ€™ Bermudagrass Putting Green under Reduced Sunlight. Agronomy Journal, 2009, 101, 75-81.	0.9	24
35	MiR396 is involved in plant response to vernalization and flower development in Agrostis stolonifera. Horticulture Research, 2020, 7, 173.	2.9	21
36	Promoter analysis in transient assays using a GUS reporter gene construct in creeping bentgrass (Agrostis palustris). Journal of Plant Physiology, 2003, 160, 1233-1239.	1.6	19

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37	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.	1.2	17
38	A chloroplast heat shock protein modulates growth and abiotic stress response in creeping bentgrass. Plant, Cell and Environment, 2021, 44, 1769-1787.	2.8	16
39	New genomic resources for switchgrass: a BAC library and comparative analysis of homoeologous genomic regions harboring bioenergy traits. BMC Genomics, 2011, 12, 369.	1.2	15
40	DRMY1, a Myb-Like Protein, Regulates Cell Expansion and Seed Production in Arabidopsis thaliana. Plant and Cell Physiology, 2019, 60, 285-302.	1.5	15
41	Application of FLP/FRT Site-Specific DNA Recombination System in Plants. , 2002, 24, 1-16.		15
42	Homeostatic regulation of flavonoid and lignin biosynthesis in phenylpropanoid pathway of transgenic tobacco. Gene, 2022, 809, 146017.	1.0	14
43	Genomic tools development for Aquilegia: construction of a BAC-based physical map. BMC Genomics, 2010, 11, 621.	1.2	13
44	FLP-mediated site-specific recombination for genome modification in turfgrass. Biotechnology Letters, 2006, 28, 1793-1804.	1.1	12
45	A conservative pathway for coordination of cell wall biosynthesis and cell cycle progression in plants. Plant Journal, 2021, 106, 630-648.	2.8	8
46	Controlling Transgene Escape in Genetically Modified Grasses. , 2004, , 245-254.		6
47	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.	1.2	5
48	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.	0.5	5
49	CgbZIP1: A bZIP Transcription Factor from Chrysanthemum Grandiflora Confers Plant Tolerance to Salinity and Drought Stress. Agronomy, 2022, 12, 556.	1.3	5
50	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.	1.7	4
51	Transient reporter gene (GUS) expression in creeping bentgrass (Agrostis palustris) is affected by in vivo nucleolytic activity. Biotechnology Letters, 2003, 25, 939-944.	1.1	4
52	Turf Grasses. , 2006, 344, 83-95.		4
53	Enhancing Turfgrass Nitrogen Use under Stresses. Books in Soils, Plants, and the Environment, 2007, , 557-601.	0.1	2
54	Development of Molecular Strategies for Gene Containment and Marker-Free Genetically Modified Organisms. , 2016, , 223-236.		1

#	Article	IF	Citations
55	Negative Regulators of Messenger RNA and the Role of microRNA for Plant Genetic Engineering. , 2016, , 237-255.		0
56	Manipulating Expression of Tonoplast Transporters. , 2012, 913, 359-369.		0
57	Biolistic DNA Delivery in Turfgrass Embryonic Callus Initiated from Mature Seeds. Methods in Molecular Biology, 2020, 2124, 251-261.	0.4	0