

Mingshu Cao

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

846
citations

567281

15
h-index

642732

23
g-index

29
all docs

29
docs citations

29
times ranked

1322
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental regulation of leaf colour in red <i>35S:PAP1 Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2009, 182, 102-115.	7.3	215
2	High-throughput direct-infusion ion trap mass spectrometry: a new method for metabolomics. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 421-428.	1.5	79
3	Predicting retention time in hydrophilic interaction liquid chromatography mass spectrometry and its use for peak annotation in metabolomics. <i>Metabolomics</i> , 2015, 11, 696-706.	3.0	78
4	Predictive ability of genomic selection models in a multi-population perennial ryegrass training set using genotyping-by-sequencing. <i>Theoretical and Applied Genetics</i> , 2018, 131, 703-720.	3.6	65
5	A novel family of cyclic oligopeptides derived from ribosomal peptide synthesis of an in planta-induced gene, <i>gigA</i> , in <i>Epichloa</i> endophytes of grasses. <i>Fungal Genetics and Biology</i> , 2015, 85, 14-24.	2.1	54
6	Advanced Data-Mining Strategies for the Analysis of Direct-Infusion Ion Trap Mass Spectrometry Data from the Association of Perennial Ryegrass with Its Endophytic Fungus, <i>Neotyphodium lolii</i> . <i>Plant Physiology</i> , 2008, 146, 1501-1514.	4.8	42
7	Semi-quantitative and structural metabolic phenotyping by direct infusion ion trap mass spectrometry and its application in genetical metabolomics. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 2253-2263.	1.5	36
8	Multi-Trait Genomic Prediction Improves Predictive Ability for Dry Matter Yield and Water-Soluble Carbohydrates in Perennial Ryegrass. <i>Frontiers in Plant Science</i> , 2020, 11, 1197.	3.6	28
9	<i>E/Z</i> -Thesinine-O-4- β -D-rhamnoside, pyrrolizidine conjugates produced by grasses (Poaceae). <i>Phytochemistry</i> , 2008, 69, 1927-1932.	2.9	27
10	Genomic Predictive Ability for Foliar Nutritive Traits in Perennial Ryegrass. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 695-708.	1.8	27
11	A QTL analysis of host plant effects on fungal endophyte biomass and alkaloid expression in perennial ryegrass. <i>Molecular Breeding</i> , 2015, 35, 161.	2.1	22
12	The genome of <i>Cleistogenes songorica</i> provides a blueprint for functional dissection of dimorphic flower differentiation and drought adaptability. <i>Plant Biotechnology Journal</i> , 2021, 19, 532-547.	8.3	21
13	Identification of Urinary Biomarkers of Colon Inflammation in IL10 ^{-/-} Mice Using Short-Column LCMS Metabolomics. <i>Journal of Biomedicine and Biotechnology</i> , 2011, 2011, 1-12.	3.0	19
14	Phenotypic characterization of transposon-inserted mutants of <i>Clostridium proteoclasticum</i> B316T using extracellular metabolomics. <i>Journal of Biotechnology</i> , 2008, 134, 55-63.	3.8	18
15	Metabolic changes and associated cytokinin signals in response to nitrate assimilation in roots and shoots of <i>Lolium perenne</i> . <i>Physiologia Plantarum</i> , 2016, 156, 497-511.	5.2	17
16	Computational Analyses of Spectral Trees from Electrospray Multi-Stage Mass Spectrometry to Aid Metabolite Identification. <i>Metabolites</i> , 2013, 3, 1036-1050.	2.9	16
17	Untargeted Metabotyping <i>Lolium perenne</i> Reveals Population-Level Variation in Plant Flavonoids and Alkaloids. <i>Frontiers in Plant Science</i> , 2017, 8, 133.	3.6	15
18	A large-scale metabolomics study to harness chemical diversity and explore biochemical mechanisms in ryegrass. <i>Communications Biology</i> , 2019, 2, 87.	4.4	14

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19	Relationship between Virulence Gene Profiles of Atypical Enteropathogenic Escherichia coli and Shiga Toxin- Producing E. coli Isolates from Cattle and Sheep in New Zealand. Applied and Environmental Microbiology, 2010, 76, 3744-3747.	3.1	12
20	Analysis of microRNA reveals cleistogamous and chasmogamous floret divergence in dimorphic plant. Scientific Reports, 2018, 8, 6287.	3.3	11
21	Divergent Genomic Selection for Herbage Accumulation and Days-To-Heading in Perennial Ryegrass. Agronomy, 2020, 10, 340.	3.0	7
22	Genomic assessment of white clover and perennial ryegrass genetic resources. Journal of New Zealand Grasslands, 0, 82, 27-34.	0.0	7
23	Low pyrrolizidine alkaloid levels in perennial ryegrass is associated with the absence of a homospermidine synthase gene. BMC Plant Biology, 2018, 18, 56.	3.6	6
24	Serum metabolomics using ultra performance liquid chromatography coupled to mass spectrometry in lactating dairy cows following a single dose of sporidesmin. Metabolomics, 2018, 14, 61.	3.0	5