

Kai Guo

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47
papers

789
citations

15
h-index

27
g-index

54
ext. papers

1,112
ext. citations

5.9
avg, IF

3.87
L-index

#	Paper	IF	Citations
47	Expression profiling and integrative analysis of the CESA/CSL superfamily in rice. <i>BMC Plant Biology</i> , 2010 , 10, 282	5.3	164
46	High-level hemicellulosic arabinose predominately affects lignocellulose crystallinity for genetically enhancing both plant lodging resistance and biomass enzymatic digestibility in rice mutants. <i>Plant Biotechnology Journal</i> , 2015 , 13, 514-25	11.6	102
45	Biomass digestibility is predominantly affected by three factors of wall polymer features distinctive in wheat accessions and rice mutants. <i>Biotechnology for Biofuels</i> , 2013 , 6, 183	7.8	86
44	Analysis of five rice 4-coumarate:coenzyme A ligase enzyme activity and stress response for potential roles in lignin and flavonoid biosynthesis in rice. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 430, 1151-6	3.4	66
43	Global identification of multiple OsGH9 family members and their involvement in cellulose crystallinity modification in rice. <i>PLoS ONE</i> , 2013 , 8, e50171	3.7	44
42	CRISPR-Cas13 Inhibitors Block RNA Editing in Bacteria and Mammalian Cells. <i>Molecular Cell</i> , 2020 , 78, 850-861.e5	17.6	32
41	Temporal evolution of the microbiome, immune system and epigenome with disease progression in ALS mice. <i>DMM Disease Models and Mechanisms</i> , 2019 , 13,	4.1	32
40	Conserved Transcriptional Signatures in Human and Murine Diabetic Peripheral Neuropathy. <i>Scientific Reports</i> , 2018 , 8, 17678	4.9	29
39	An integrated genomic and metabolomic framework for cell wall biology in rice. <i>BMC Genomics</i> , 2014 , 15, 596	4.5	21
38	Domestication of rice has reduced the occurrence of transposable elements within gene coding regions. <i>BMC Genomics</i> , 2017 , 18, 55	4.5	20
37	Integrated lipidomic and transcriptomic analyses identify altered nerve triglycerides in mouse models of prediabetes and type 2 diabetes. <i>DMM Disease Models and Mechanisms</i> , 2020 , 13,	4.1	18
36	Pathway crosstalk perturbation network modeling for identification of connectivity changes induced by diabetic neuropathy and pioglitazone. <i>BMC Systems Biology</i> , 2019 , 13, 1	3.5	17
35	Distinct biochemical activities and heat shock responses of two UDP-glucose sterol glucosyltransferases in cotton. <i>Plant Science</i> , 2014 , 219-220, 1-8	5.3	16
34	Genome-wide DNA methylation profiling of human diabetic peripheral neuropathy in subjects with type 2 diabetes mellitus. <i>Epigenetics</i> , 2019 , 14, 766-779	5.7	15
33	Untargeted metabolomics yields insight into ALS disease mechanisms. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2020 , 91, 1329-1338	5.5	15
32	Genome-wide profiling of DNA methylation and gene expression identifies candidate genes for human diabetic neuropathy. <i>Clinical Epigenetics</i> , 2020 , 12, 123	7.7	13
31	A Novel / Mutation Distinctively Causes Alteration in the Expression of the Genes for Cell Wall Polymer Synthesis in Rice. <i>Frontiers in Plant Science</i> , 2016 , 7, 1366	6.2	11

30	Exploration of the Anti-Inflammatory Drug Space Through Network Pharmacology: Applications for Drug Repurposing. <i>Frontiers in Physiology</i> , 2018 , 9, 151	4.6	10
29	Impairs Host Defense by Increasing the Quorum-Sensing-Mediated Virulence of. <i>Frontiers in Immunology</i> , 2020 , 11, 1696	8.4	7
28	CdpR Inhibits CRISPR-Cas Adaptive Immunity to Lower Anti-viral Defense while Avoiding Self-Reactivity. <i>IScience</i> , 2019 , 13, 55-68	6.1	7
27	Proteomic profiling of cellulase-aid-extracted membrane proteins for functional identification of cellulose synthase complexes and their potential associated- components in cotton fibers. <i>Scientific Reports</i> , 2016 , 6, 26356	4.9	6
26	Plasma lipid metabolites associate with diabetic polyneuropathy in a cohort with type 2 diabetes. <i>Annals of Clinical and Translational Neurology</i> , 2021 , 8, 1292-1307	5.3	6
25	Epigenetic Reprogramming Mediated by Maternal Diet Rich in Omega-3 Fatty Acids Protects From Breast Cancer Development in F1 Offspring. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 682593	5.7	6
24	Microbial and genetic-based framework identifies drug targets in inflammatory bowel disease. <i>Theranostics</i> , 2021 , 11, 7491-7506	12.1	6
23	Network-Based Assessment of Adverse Drug Reaction Risk in Polypharmacy Using High-Throughput Screening Data. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	5
22	Positive selection drives adaptive diversification of the 4-coumarate: CoA ligase (4CL) gene in angiosperms. <i>Ecology and Evolution</i> , 2015 , 5, 3413-20	2.8	5
21	Dynamic impact of virome on colitis and colorectal cancer: Immunity, inflammation, prevention and treatment. <i>Seminars in Cancer Biology</i> , 2021 ,	12.7	4
20	Gut Microbiota Regulate Gut-Lung Axis Inflammatory Responses by Mediating ILC2 Compartmental Migration. <i>Journal of Immunology</i> , 2021 ,	5.3	4
19	NOX, NOX, Are You Here? The Emerging Role of NOX5 in Diabetic Neuropathy. <i>Diabetes</i> , 2018 , 67, 30-LB0.9		3
18	Bitter receptor TAS2R138 facilitates lipid droplet degradation in neutrophils during Pseudomonas aeruginosa infection. <i>Signal Transduction and Targeted Therapy</i> , 2021 , 6, 210	21	3
17	A Network Pharmacology Approach for the Identification of Common Mechanisms of Drug-Induced Peripheral Neuropathy. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , 2019 , 8, 211-219	4.5	3
16	The impact of methodology on the reproducibility and rigor of DNA methylation data.. <i>Scientific Reports</i> , 2022 , 12, 380	4.9	2
15	Alpha-Synuclein-induced DNA Methylation and Gene Expression in Microglia. <i>Neuroscience</i> , 2021 , 468, 186-198	3.9	2
14	Plasma Metabolomics and Lipidomics Differentiate Obese Individuals by Peripheral Neuropathy Status. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021 ,	5.6	2
13	Type III CRISPR-based RNA editing for programmable control of SARS-CoV-2 and human coronaviruses.. <i>Nucleic Acids Research</i> , 2022 ,	20.1	1

12	Amelioration of Peripheral Neuropathy in Mouse Models of Diabetes by Dietary Reversal. <i>Diabetes</i> , 2018 , 67, 569-P	0.9	1
11	Predicting Drug-Induced Liver Injury Using Machine Learning on a Diverse Set of Predictors. <i>Frontiers in Pharmacology</i> , 2021 , 12, 648805	5.6	1
10	Interferon- β promotes monocyte-mediated lung injury during influenza infection.. <i>Cell Reports</i> , 2022 , 38, 110456	10.6	1
9	Repurposable drugs for SARS-CoV-2 and influenza sepsis with scRNA-seq data targeting post-transcription modifications.. <i>Precision Clinical Medicine</i> , 2021 , 4, 215-230	6.7	0
8	SMAP is a pipeline for sample matching in proteogenomics.. <i>Nature Communications</i> , 2022 , 13, 744	17.4	
7	Systems Approach to Assign Expression Based Signatures to Adrenergic Drugs. <i>FASEB Journal</i> , 2018 , 32, 690.2	0.9	
6	Two-Way Orthogonal Partial Least Squares (O2PLS) Analysis of the Lipidome and Transcriptome in Prediabetic and Diabetic Neuropathy. <i>Diabetes</i> , 2018 , 67, 548-P	0.9	
5	Large-Scale DNA Methylation Profiling of Human Diabetic Peripheral Neuropathy in Subjects with Type 2 Diabetes Mellitus. <i>Diabetes</i> , 2018 , 67, 551-P	0.9	
4	Post-transcriptional processing at the promoter proximal RNA polymerase II pausing. A possible mechanism for premature termination. <i>FASEB Journal</i> , 2019 , 33, 458.13	0.9	
3	31-LB: Identification of Repurposable Drug Candidate for Diabetic Peripheral Neuropathy Using High-Throughput Drug-Perturbation Data. <i>Diabetes</i> , 2019 , 68, 31-LB	0.9	
2	2285-PUB: Hippocampal Transcriptomic Changes Due to High-Fat Diet in Prediabetic Mice. <i>Diabetes</i> , 2020 , 69, 2285-PUB	0.9	
1	537-P: Dietary Reversal Improves Peripheral Neuropathy and Gut Microbiota Profile in a Murine Model of Prediabetes and Obesity. <i>Diabetes</i> , 2020 , 69, 537-P	0.9	