Kai Guo

List of Publications by Year
in descending order

49	1,392	394421 19	361022 35
papers	citations	h-index	g-index

54	54	54	1824
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Expression profiling and integrative analysis of the CESA/CSL superfamily in rice. BMC Plant Biology, 2010, 10, 282.	3.6	240
2	Highâ€level hemicellulosic arabinose predominately affects lignocellulose crystallinity for genetically enhancing both plant lodging resistance and biomass enzymatic digestibility in rice mutants. Plant Biotechnology Journal, 2015, 13, 514-525.	8.3	139
3	Analysis of five rice 4-coumarate:coenzyme A ligase enzyme activity and stress response for potential roles in lignin and flavonoid biosynthesis in rice. Biochemical and Biophysical Research Communications, 2013, 430, 1151-1156.	2.1	113
4	Biomass digestibility is predominantly affected by three factors of wall polymer features distinctive in wheat accessions and rice mutants. Biotechnology for Biofuels, 2013, 6, 183.	6.2	106
5	CRISPR-Cas13 Inhibitors Block RNA Editing in Bacteria and Mammalian Cells. Molecular Cell, 2020, 78, 850-861.e5.	9.7	65
6	Global Identification of Multiple OsGH9 Family Members and Their Involvement in Cellulose Crystallinity Modification in Rice. PLoS ONE, 2013, 8, e50171.	2.5	62
7	Untargeted metabolomics yields insight into ALS disease mechanisms. Journal of Neurology, Neurosurgery and Psychiatry, 2020, 91, 1329-1338.	1.9	51
8	Temporal evolution of the microbiome, immune system, and epigenome with disease progression in ALS mice. DMM Disease Models and Mechanisms, 2019, 13, .	2.4	50
9	Integrated lipidomic and transcriptomic analyses identify altered nerve triglycerides in mouse models of prediabetes and type 2 diabetes. DMM Disease Models and Mechanisms, 2020, 13, .	2.4	42
10	Conserved Transcriptional Signatures in Human and Murine Diabetic Peripheral Neuropathy. Scientific Reports, 2018, 8, 17678.	3.3	40
11	Domestication of rice has reduced the occurrence of transposable elements within gene coding regions. BMC Genomics, 2017, 18, 55.	2.8	30
12	Gut Microbiota Regulate Gutâ€“Lung Axis Inflammatory Responses by Mediating ILC2 Compartmental Migration. Journal of Immunology, 2021, 207, 257-267.	0.8	30
13	Interferon-Î³ promotes monocyte-mediated lung injury during influenza infection. Cell Reports, 2022, 38, 110456.	6.4	29
14	Pathway crosstalk perturbation network modeling for identification of connectivity changes induced by diabetic neuropathy and pioglitazone. BMC Systems Biology, 2019, 13, 1.	3.0	28
15	Genome-wide DNA methylation profiling of human diabetic peripheral neuropathy in subjects with type 2 diabetes mellitus. Epigenetics, 2019, 14, 766-779.	2.7	28
16	Plasma lipid metabolites associate with diabetic polyneuropathy in a cohort with type 2 diabetes. Annals of Clinical and Translational Neurology, 2021, 8, 1292-1307.	3.7	27
17	An integrated genomic and metabolomic framework for cell wall biology in rice. BMC Genomics, 2014, 15, 596.	2.8	26
18	Distinct biochemical activities and heat shock responses of two UDP-glucose sterol glucosyltransferases in cotton. Plant Science, 2014, 219-220, 1-8.	3.6	26

#	Article	IF	Citations
19	Genome-wide profiling of DNA methylation and gene expression identifies candidate genes for human diabetic neuropathy. Clinical Epigenetics, 2020, 12, 123.	4.1	26
20	A Novel FC116/BC10 Mutation Distinctively Causes Alteration in the Expression of the Genes for Cell Wall Polymer Synthesis in Rice. Frontiers in Plant Science, 2016, 7, 1366.	3.6	23
21	Metabolomics identifies shared lipid pathways in independent amyotrophic lateral sclerosis cohorts. Brain, 2022, 145, 4425-4439.	7.6	22
22	Dynamic impact of virome on colitis and colorectal cancer: Immunity, inflammation, prevention and treatment. Seminars in Cancer Biology, 2022, 86, 943-954.	9.6	17
23	Plasma Metabolomics and Lipidomics Differentiate Obese Individuals by Peripheral Neuropathy Status. Journal of Clinical Endocrinology and Metabolism, 2022, 107, 1091-1109.	3.6	17
24	CdpR Inhibits CRISPR-Cas Adaptive Immunity to Lower Anti-viral Defense while Avoiding Self-Reactivity. IScience, 2019, 13, 55-68.	4.1	14
25	Epigenetic Reprogramming Mediated by Maternal Diet Rich in Omega-3 Fatty Acids Protects From Breast Cancer Development in F1 Offspring. Frontiers in Cell and Developmental Biology, 2021, 9, 682593.	3.7	14
26	Exploration of the Anti-Inflammatory Drug Space Through Network Pharmacology: Applications for Drug Repurposing. Frontiers in Physiology, 2018, 9, 151.	2.8	13
27	Microbial and genetic-based framework identifies drug targets in inflammatory bowel disease. Theranostics, 2021, 11, 7491-7506.	10.0	13
28	Network-Based Assessment of Adverse Drug Reaction Risk in Polypharmacy Using High-Throughput Screening Data. International Journal of Molecular Sciences, 2019, 20, 386.	4.1	12
29	oprC Impairs Host Defense by Increasing the Quorum-Sensing-Mediated Virulence of Pseudomonas aeruginosa. Frontiers in Immunology, 2020, 11, 1696.	4.8	11
30	Positive selection drives adaptive diversification of the 4â€coumarate: CoA ligase (4<scp>CL</scp>) gene in angiosperms. Ecology and Evolution, 2015, 5, 3413-3420.	1.9	10
31	Bitter receptor TAS2R138 facilitates lipid droplet degradation in neutrophils during Pseudomonas aeruginosa infection. Signal Transduction and Targeted Therapy, 2021, 6, 210.	17.1	9
32	Alpha-Synuclein-induced DNA Methylation and Gene Expression in Microglia. Neuroscience, 2021, 468, 186-198.	2.3	8
33	Type III CRISPR-based RNA editing for programmable control of SARS-CoV-2 and human coronaviruses. Nucleic Acids Research, 2022, 50, e47-e47.	14.5	8
34	Proteomic profiling of cellulase-aid-extracted membrane proteins for functional identification of cellulose synthase complexes and their potential associated- components in cotton fibers. Scientific Reports, 2016, 6, 26356.	3.3	7
35	Predicting Drug-Induced Liver Injury Using Machine Learning on a Diverse Set of Predictors. Frontiers in Pharmacology, 2021, 12, 648805.	3.5	6
36	Amelioration of Peripheral Neuropathy in Mouse Models of Diabetes by Dietary Reversal. Diabetes, 2018, 67, .	0.6	6

#	Article	IF	Citations
37	A Network Pharmacology Approach for the Identification of Common Mechanisms of Drugâ€Induced Peripheral Neuropathy. CPT: Pharmacometrics and Systems Pharmacology, 2019, 8, 211-219.	2.5	4
38	NOX, NOX, Are You Here? The Emerging Role of NOX5 in Diabetic Neuropathy. Diabetes, 2018, 67, 30-LB.	0.6	4
39	Repurposable drugs for SARS-CoV-2 and influenza sepsis with scRNA-seq data targeting post-transcription modifications. Precision Clinical Medicine, 2021, 4, 215-230.	3.3	3
40	The impact of methodology on the reproducibility and rigor of DNA methylation data. Scientific Reports, 2022, 12, 380.	3.3	3
41	SMAP is a pipeline for sample matching in proteogenomics. Nature Communications, 2022, 13, 744.	12.8	3
42	NADPH oxidase 5: A new player in peripheral neuropathy. Journal of the Neurological Sciences, 2021, 429, 119359.	0.6	0
43	Systems Approach to Assign Expression Based Signatures to Adrenergic Drugs. FASEB Journal, 2018, 32, 690.2.	0.5	0
44	Two-Way Orthogonal Partial Least Squares (O2PLS) Analysis of the Lipidome and Transcriptome in Prediabetic and Diabetic Neuropathy. Diabetes, 2018, 67, 548-P.	0.6	0
45	Large-Scale DNA Methylation Profiling of Human Diabetic Peripheral Neuropathy in Subjects with Type 2 Diabetes Mellitus. Diabetes, 2018, 67, .	0.6	0
46	Postâ€transcriptional processing at the promoter proximal RNA polymerase II pausing. A possible mechanism for premature termination. FASEB Journal, 2019, 33, 458.13.	0.5	0
47	31-LB: Identification of Repurposable Drug Candidate for Diabetic Peripheral Neuropathy Using High-Throughput Drug-Perturbation Data. Diabetes, 2019, 68, .	0.6	0
48	2285-PUB: Hippocampal Transcriptomic Changes Due to High-Fat Diet in Prediabetic Mice. Diabetes, 2020, 69, 2285-PUB.	0.6	0
49	537-P: Dietary Reversal Improves Peripheral Neuropathy and Gut Microbiota Profile in a Murine Model of Prediabetes and Obesity. Diabetes, 2020, 69, .	0.6	0