

# Kai Guo

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

1,392  
citations

394286

19  
h-index

360920

35  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1824  
citing authors

#	ARTICLE	IF	CITATIONS
1	Expression profiling and integrative analysis of the CESA/CSL superfamily in rice. <i>BMC Plant Biology</i> , 2010, 10, 282.	1.6	240
2	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, 514-525.	4.1	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. <i>Biochemical and Biophysical Research Communications</i> , 2013, 430, 1151-1156.	1.0	113
4	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.	6.2	106
5	CRISPR-Cas13 Inhibitors Block RNA Editing in Bacteria and Mammalian Cells. <i>Molecular Cell</i> , 2020, 78, 850-861.e5.	4.5	65
6	Global Identification of Multiple OsGH9 Family Members and Their Involvement in Cellulose Crystallinity Modification in Rice. <i>PLoS ONE</i> , 2013, 8, e50171.	1.1	62
7	Untargeted metabolomics yields insight into ALS disease mechanisms. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2020, 91, 1329-1338.	0.9	51
8	Temporal evolution of the microbiome, immune system, and epigenome with disease progression in ALS mice. <i>DMM Disease Models and Mechanisms</i> , 2019, 13, .	1.2	50
9	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, .	1.2	42
10	Conserved Transcriptional Signatures in Human and Murine Diabetic Peripheral Neuropathy. <i>Scientific Reports</i> , 2018, 8, 17678.	1.6	40
11	Domestication of rice has reduced the occurrence of transposable elements within gene coding regions. <i>BMC Genomics</i> , 2017, 18, 55.	1.2	30
12	Gut Microbiota Regulate Gut-Lung Axis Inflammatory Responses by Mediating ILC2 Compartmental Migration. <i>Journal of Immunology</i> , 2021, 207, 257-267.	0.4	30
13	Interferon- $\beta$ promotes monocyte-mediated lung injury during influenza infection. <i>Cell Reports</i> , 2022, 38, 110456.	2.9	29
14	Pathway crosstalk perturbation network modeling for identification of connectivity changes induced by diabetic neuropathy and pioglitazone. <i>BMC Systems Biology</i> , 2019, 13, 1.	3.0	28
15	Genome-wide DNA methylation profiling of human diabetic peripheral neuropathy in subjects with type 2 diabetes mellitus. <i>Epigenetics</i> , 2019, 14, 766-779.	1.3	28
16	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.	1.7	27
17	An integrated genomic and metabolomic framework for cell wall biology in rice. <i>BMC Genomics</i> , 2014, 15, 596.	1.2	26
18	Distinct biochemical activities and heat shock responses of two UDP-glucose sterol glucosyltransferases in cotton. <i>Plant Science</i> , 2014, 219-220, 1-8.	1.7	26

#	ARTICLE	IF	CITATIONS
19	Genome-wide profiling of DNA methylation and gene expression identifies candidate genes for human diabetic neuropathy. <i>Clinical Epigenetics</i> , 2020, 12, 123.	1.8	26
20	A Novel FC116/BC10 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.	1.7	23
21	Metabolomics identifies shared lipid pathways in independent amyotrophic lateral sclerosis cohorts. <i>Brain</i> , 2022, 145, 4425-4439.	3.7	22
22	Dynamic impact of virome on colitis and colorectal cancer: Immunity, inflammation, prevention and treatment. <i>Seminars in Cancer Biology</i> , 2022, 86, 943-954.	4.3	17
23	Plasma Metabolomics and Lipidomics Differentiate Obese Individuals by Peripheral Neuropathy Status. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, 1091-1109.	1.8	17
24	CdpR Inhibits CRISPR-Cas Adaptive Immunity to Lower Anti-viral Defense while Avoiding Self-Reactivity. <i>IScience</i> , 2019, 13, 55-68.	1.9	14
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.	1.8	14
26	Exploration of the Anti-Inflammatory Drug Space Through Network Pharmacology: Applications for Drug Repurposing. <i>Frontiers in Physiology</i> , 2018, 9, 151.	1.3	13
27	Microbial and genetic-based framework identifies drug targets in inflammatory bowel disease. <i>Theranostics</i> , 2021, 11, 7491-7506.	4.6	13
28	Network-Based Assessment of Adverse Drug Reaction Risk in Polypharmacy Using High-Throughput Screening Data. <i>International Journal of Molecular Sciences</i> , 2019, 20, 386.	1.8	12
29	oprC Impairs Host Defense by Increasing the Quorum-Sensing-Mediated Virulence of <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Immunology</i> , 2020, 11, 1696.	2.2	11
30	Positive selection drives adaptive diversification of the 4- <i>coumarate: CoA ligase</i> ( <i>CL</i> ) gene in angiosperms. <i>Ecology and Evolution</i> , 2015, 5, 3413-3420.	0.8	10
31	Bitter receptor TAS2R138 facilitates lipid droplet degradation in neutrophils during <i>Pseudomonas aeruginosa</i> infection. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 210.	7.1	9
32	Alpha-Synuclein-induced DNA Methylation and Gene Expression in Microglia. <i>Neuroscience</i> , 2021, 468, 186-198.	1.1	8
33	Type III CRISPR-based RNA editing for programmable control of SARS-CoV-2 and human coronaviruses. <i>Nucleic Acids Research</i> , 2022, 50, e47-e47.	6.5	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. <i>Scientific Reports</i> , 2016, 6, 26356.	1.6	7
35	Predicting Drug-Induced Liver Injury Using Machine Learning on a Diverse Set of Predictors. <i>Frontiers in Pharmacology</i> , 2021, 12, 648805.	1.6	6
36	Amelioration of Peripheral Neuropathy in Mouse Models of Diabetes by Dietary Reversal. <i>Diabetes</i> , 2018, 67, .	0.3	6

#	ARTICLE	IF	CITATIONS
37	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.	1.3	4
38	NOX, NOX, Are You Here? The Emerging Role of NOX5 in Diabetic Neuropathy. <i>Diabetes</i> , 2018, 67, 30-LB.	0.3	4
39	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.	1.3	3
40	The impact of methodology on the reproducibility and rigor of DNA methylation data. <i>Scientific Reports</i> , 2022, 12, 380.	1.6	3
41	SMAP is a pipeline for sample matching in proteogenomics. <i>Nature Communications</i> , 2022, 13, 744.	5.8	3
42	NADPH oxidase 5: A new player in peripheral neuropathy. <i>Journal of the Neurological Sciences</i> , 2021, 429, 119359.	0.3	0
43	Systems Approach to Assign Expression Based Signatures to Adrenergic Drugs. <i>FASEB Journal</i> , 2018, 32, 690.2.	0.2	0
44	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.	0.3	0
45	Large-Scale DNA Methylation Profiling of Human Diabetic Peripheral Neuropathy in Subjects with Type 2 Diabetes Mellitus. <i>Diabetes</i> , 2018, 67, .	0.3	0
46	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.	0.2	0
47	31-LB: Identification of Repurposable Drug Candidate for Diabetic Peripheral Neuropathy Using High-Throughput Drug-Perturbation Data. <i>Diabetes</i> , 2019, 68, .	0.3	0
48	2285-PUB: Hippocampal Transcriptomic Changes Due to High-Fat Diet in Prediabetic Mice. <i>Diabetes</i> , 2020, 69, 2285-PUB.	0.3	0
49	537-P: Dietary Reversal Improves Peripheral Neuropathy and Gut Microbiota Profile in a Murine Model of Prediabetes and Obesity. <i>Diabetes</i> , 2020, 69, .	0.3	0