

# Kai Guo

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

1,392  
citations

394421  
19  
h-index

361022  
35  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1824  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Dynamic impact of virome on colitis and colorectal cancer: Immunity, inflammation, prevention and treatment. <i>Seminars in Cancer Biology</i> , 2022, 86, 943-954.   | 9.6  | 17        |
| 2  | 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.  | 14.5 | 8         |
| 3  | The impact of methodology on the reproducibility and rigor of DNA methylation data. <i>Scientific Reports</i> , 2022, 12, 380.  | 3.3  | 3         |
| 4  | Metabolomics identifies shared lipid pathways in independent amyotrophic lateral sclerosis cohorts. <i>Brain</i> , 2022, 145, 4425-4439.  | 7.6  | 22        |
| 5  | SMAP is a pipeline for sample matching in proteogenomics. <i>Nature Communications</i> , 2022, 13, 744.   | 12.8 | 3         |
| 6  | Interferon- $\beta$ promotes monocyte-mediated lung injury during influenza infection. <i>Cell Reports</i> , 2022, 38, 110456.  | 6.4  | 29        |
| 7  | Plasma Metabolomics and Lipidomics Differentiate Obese Individuals by Peripheral Neuropathy Status. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, 1091-1109.                           | 3.6  | 17        |
| 8  | Microbial and genetic-based framework identifies drug targets in inflammatory bowel disease. <i>Theranostics</i> , 2021, 11, 7491-7506.   | 10.0 | 13        |
| 9  | 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.                                 | 3.7  | 27        |
| 10 | 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. | 3.7  | 14        |
| 11 | Gut Microbiota Regulate Gut-Lung Axis Inflammatory Responses by Mediating ILC2 Compartmental Migration. <i>Journal of Immunology</i> , 2021, 207, 257-267.  | 0.8  | 30        |
| 12 | 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.                 | 17.1 | 9         |
| 13 | Predicting Drug-Induced Liver Injury Using Machine Learning on a Diverse Set of Predictors. <i>Frontiers in Pharmacology</i> , 2021, 12, 648805.  | 3.5  | 6         |
| 14 | Alpha-Synuclein-induced DNA Methylation and Gene Expression in Microglia. <i>Neuroscience</i> , 2021, 468, 186-198.   | 2.3  | 8         |
| 15 | 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.                                 | 3.3  | 3         |
| 16 | NADPH oxidase 5: A new player in peripheral neuropathy. <i>Journal of the Neurological Sciences</i> , 2021, 429, 119359.  | 0.6  | 0         |
| 17 | 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, .              | 2.4  | 42        |
| 18 | oprC Impairs Host Defense by Increasing the Quorum-Sensing-Mediated Virulence of <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Immunology</i> , 2020, 11, 1696.   | 4.8  | 11        |

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|----|---|-----|-----------|
| 19 | Genome-wide profiling of DNA methylation and gene expression identifies candidate genes for human diabetic neuropathy. <i>Clinical Epigenetics</i> , 2020, 12, 123.                         | 4.1 | 26        |
| 20 | Untargeted metabolomics yields insight into ALS disease mechanisms. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2020, 91, 1329-1338.   | 1.9 | 51        |
| 21 | CRISPR-Cas13 Inhibitors Block RNA Editing in Bacteria and Mammalian Cells. <i>Molecular Cell</i> , 2020, 78, 850-861.e5.  | 9.7 | 65        |
| 22 | 2285-PUB: Hippocampal Transcriptomic Changes Due to High-Fat Diet in Prediabetic Mice. <i>Diabetes</i> , 2020, 69, 2285-PUB.  | 0.6 | 0         |
| 23 | 537-P: Dietary Reversal Improves Peripheral Neuropathy and Gut Microbiota Profile in a Murine Model of Prediabetes and Obesity. <i>Diabetes</i> , 2020, 69, .                               | 0.6 | 0         |
| 24 | 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.            | 4.1 | 12        |
| 25 | 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        |
| 26 | Genome-wide DNA methylation profiling of human diabetic peripheral neuropathy in subjects with type 2 diabetes mellitus. <i>Epigenetics</i> , 2019, 14, 766-779.                            | 2.7 | 28        |
| 27 | Cdpr Inhibits CRISPR-Cas Adaptive Immunity to Lower Anti-viral Defense while Avoiding Self-Reactivity. <i>IScience</i> , 2019, 13, 55-68.   | 4.1 | 14        |
| 28 | 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. | 2.5 | 4         |
| 29 | Temporal evolution of the microbiome, immune system, and epigenome with disease progression in ALS mice. <i>DMM Disease Models and Mechanisms</i> , 2019, 13, .                             | 2.4 | 50        |
| 30 | 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.                | 0.5 | 0         |
| 31 | 31-LB: Identification of Repurposable Drug Candidate for Diabetic Peripheral Neuropathy Using High-Throughput Drug-Perturbation Data. <i>Diabetes</i> , 2019, 68, .                         | 0.6 | 0         |
| 32 | Conserved Transcriptional Signatures in Human and Murine Diabetic Peripheral Neuropathy. <i>Scientific Reports</i> , 2018, 8, 17678.  | 3.3 | 40        |
| 33 | Exploration of the Anti-Inflammatory Drug Space Through Network Pharmacology: Applications for Drug Repurposing. <i>Frontiers in Physiology</i> , 2018, 9, 151.                             | 2.8 | 13        |
| 34 | NOX, NOX, Are You Here? The Emerging Role of NOX5 in Diabetic Neuropathy. <i>Diabetes</i> , 2018, 67, 30-LB.  | 0.6 | 4         |
| 35 | Amelioration of Peripheral Neuropathy in Mouse Models of Diabetes by Dietary Reversal. <i>Diabetes</i> , 2018, 67, .  | 0.6 | 6         |
| 36 | Systems Approach to Assign Expression Based Signatures to Adrenergic Drugs. <i>FASEB Journal</i> , 2018, 32, 690.2.   | 0.5 | 0         |

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|----|---|-----|-----------|
| 37 | 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.  | 0.6 | 0         |
| 38 | Large-Scale DNA Methylation Profiling of Human Diabetic Peripheral Neuropathy in Subjects with Type 2 Diabetes Mellitus. <i>Diabetes</i> , 2018, 67, .  | 0.6 | 0         |
| 39 | Domestication of rice has reduced the occurrence of transposable elements within gene coding regions. <i>BMC Genomics</i> , 2017, 18, 55.   | 2.8 | 30        |
| 40 | 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.  | 3.6 | 23        |
| 41 | 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.                     | 3.3 | 7         |
| 42 | Positive selection drives adaptive diversification of the 4-coumarate: CoA ligase ( <i>CL</i> ) gene in angiosperms. <i>Ecology and Evolution</i> , 2015, 5, 3413-3420.   | 1.9 | 10        |
| 43 | 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. | 8.3 | 139       |
| 44 | An integrated genomic and metabolomic framework for cell wall biology in rice. <i>BMC Genomics</i> , 2014, 15, 596.   | 2.8 | 26        |
| 45 | Distinct biochemical activities and heat shock responses of two UDP-glucose sterol glucosyltransferases in cotton. <i>Plant Science</i> , 2014, 219-220, 1-8.   | 3.6 | 26        |
| 46 | 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       |
| 47 | 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.                | 2.1 | 113       |
| 48 | Global Identification of Multiple OsGH9 Family Members and Their Involvement in Cellulose Crystallinity Modification in Rice. <i>PLoS ONE</i> , 2013, 8, e50171.  | 2.5 | 62        |
| 49 | Expression profiling and integrative analysis of the CESA/CSL superfamily in rice. <i>BMC Plant Biology</i> , 2010, 10, 282.  | 3.6 | 240       |