

# Liangcai zhao

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

1,373  
citations

331670

21  
h-index

361022

35  
g-index

52  
all docs

52  
docs citations

52  
times ranked

2251  
citing authors

#	ARTICLE	IF	CITATIONS
1	Crosstalk of <sc>FGFR1</sc> signaling and choline metabolism promotes cell proliferation and survival in prostate cancer cells. <i>International Journal of Cancer</i> , 2022, 150, 1525-1536.	5.1	3
2	Targeting Gut Microbiota and Host Metabolism with <i>Dendrobium officinale</i> Dietary Fiber to Prevent Obesity and Improve Glucose Homeostasis in Diet-Induced Obese Mice. <i>Molecular Nutrition and Food Research</i> , 2022, 66, e2100772.	3.3	18
3	Metabolomics-based study of the potential interventional effects of Xiao-Xu-Ming Decoction on cerebral ischemia/reperfusion rats. <i>Journal of Ethnopharmacology</i> , 2022, 295, 115379.	4.1	6
4	Effects of Fibroblast Growth Factor 21 on Lactate Uptake and Usage in Mice with Diabetes-Associated Cognitive Decline. <i>Molecular Neurobiology</i> , 2022, 59, 5656-5672.	4.0	4
5	Region-specific metabolic characterization of the type 1 diabetic brain in mice with and without cognitive impairment. <i>Neurochemistry International</i> , 2021, 143, 104941.	3.8	7
6	Integration of FGF21 Signaling and Metabolomics in High-Fat Diet-Induced Obesity. <i>Journal of Proteome Research</i> , 2021, 20, 3900-3912.	3.7	6
7	Sex-dependent effects on the gut microbiota and host metabolome in type 1 diabetic mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021, 1867, 166266.	3.8	7
8	The Protective Effect of Basic Fibroblast Growth Factor in Intestine of db/db Mice: A 1H NMR-Based Metabolomics Investigation. <i>Journal of Proteome Research</i> , 2021, 20, 5024-5035.	3.7	1
9	Fibroblast Growth Factor 21 Modulates Microglial Polarization That Attenuates Neurodegeneration in Mice and Cellular Models of Parkinson's Disease. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 778527.	3.4	12
10	NMR-based metabolomics analysis identifies discriminatory metabolic disturbances in tissue and biofluid samples for progressive prostate cancer. <i>Clinica Chimica Acta</i> , 2020, 501, 241-251.	1.1	27
11	Sex-specific metabolic alterations in the type 1 diabetic brain of mice revealed by an integrated method of metabolomics and mixed-model. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 2063-2074.	4.1	12
12	S100A2 promotes glycolysis and proliferation via GLUT1 regulation in colorectal cancer. <i>FASEB Journal</i> , 2020, 34, 13333-13344.	0.5	28
13	Sex-Specific Metabolic Changes in Peripheral Organs of Diabetic Mice. <i>Journal of Proteome Research</i> , 2020, 19, 3011-3021.	3.7	4
14	The Protective Effect of Basic Fibroblast Growth Factor on Diabetic Nephropathy Through Remodeling Metabolic Phenotype and Suppressing Oxidative Stress in Mice. <i>Frontiers in Pharmacology</i> , 2020, 11, 66.	3.5	15
15	Brain-Region Specific Metabolic Abnormalities in Parkinson's Disease and Levodopa-Induced Dyskinesia. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 75.	3.4	18
16	Metabolic remodeling of cardiomyocytes identified in phosphoinositide-dependent kinase 1-deficient mice. <i>Biochemical Journal</i> , 2019, 476, 1943-1954.	3.7	3
17	Changes in hepatic metabolic profile during the evolution of STZ-induced diabetic rats via an 1H NMR-based metabolomic investigation. <i>Bioscience Reports</i> , 2019, 39, .	2.4	15
18	Neurochemical changes in unilateral cerebral hemisphere during the subacute stage of focal cerebral ischemia-reperfusion in rats: An ex vivo 1H magnetic resonance spectroscopy study. <i>Brain Research</i> , 2018, 1684, 67-74.	2.2	19

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19	Time-Dependent Lactate Production and Amino Acid Utilization in Cultured Astrocytes Under High Glucose Exposure. <i>Molecular Neurobiology</i> , 2018, 55, 1112-1122.	4.0	13
20	Metabolomic Analysis Identifies Lactate as an Important Pathogenic Factor in Diabetes-associated Cognitive Decline Rats. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 2335-2346.	3.8	29
21	Metabolic Changes Associated with a Rat Model of Diabetic Depression Detected by Ex Vivo <sup>1</sup> H Nuclear Magnetic Resonance Spectroscopy in the Prefrontal Cortex, Hippocampus, and Hypothalamus. <i>Neural Plasticity</i> , 2018, 2018, 1-12.	2.2	10
22	Identification of Energy Metabolism Changes in Diabetic Cardiomyopathy Rats Using a Metabonomic Approach. <i>Cellular Physiology and Biochemistry</i> , 2018, 48, 934-946.	1.6	11
23	Characteristic Metabolic Alterations Identified in Primary Neurons Under High Glucose Exposure. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 207.	3.7	18
24	Metabolic Disturbances in the Striatum and Substantia Nigra in the Onset and Progression of MPTP-Induced Parkinsonism Model. <i>Frontiers in Neuroscience</i> , 2018, 12, 90.	2.8	13
25	High Glucose-Induced Cardiomyocyte Death May Be Linked to Unbalanced Branched-Chain Amino Acids and Energy Metabolism. <i>Molecules</i> , 2018, 23, 807.	3.8	26
26	Aberrant FGFR Tyrosine Kinase Signaling Enhances the Warburg Effect by Reprogramming LDH Isoform Expression and Activity in Prostate Cancer. <i>Cancer Research</i> , 2018, 78, 4459-4470.	0.9	84
27	Analysis of Metabolic Alterations Related to Pathogenic Process of Diabetic Encephalopathy Rats. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 527.	3.7	11
28	Analysis of neuron-astrocyte metabolic cooperation in the brain of <i>db/db</i> mice with cognitive decline using <sup>13</sup> C NMR spectroscopy. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 332-343.	4.3	33
29	NMR-based metabolomics reveals brain region-specific metabolic alterations in streptozotocin-induced diabetic rats with cognitive dysfunction. <i>Metabolic Brain Disease</i> , 2017, 32, 585-593.	2.9	36
30	Predictive diagnosis of major depression using NMR-based metabolomics and least-squares support vector machine. <i>Clinica Chimica Acta</i> , 2017, 464, 223-227.	1.1	49
31	Optimal preprocessing of serum and urine metabolomic data fusion for staging prostate cancer through design of experiment. <i>Analytica Chimica Acta</i> , 2017, 991, 68-75.	5.4	24
32	Metabolic characterization of hepatitis B virus-related liver cirrhosis using NMR-based serum metabolomics. <i>Metabolomics</i> , 2017, 13, 1.	3.0	10
33	Cognitive decline in type 2 diabetic <i>db/db</i> mice may be associated with brain region-specific metabolic disorders. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 266-273.	3.8	59
34	Early Effect of Amyloid- $\beta$ -Peptide on Hippocampal and Serum Metabolism in Rats Studied by an Integrated Method of NMR-Based Metabolomics and ANOVA-Simultaneous Component Analysis. <i>BioMed Research International</i> , 2017, 2017, 1-9.	1.9	15
35	High Glucose-Induced PC12 Cell Death by Increasing Glutamate Production and Decreasing Methyl Group Metabolism. <i>BioMed Research International</i> , 2016, 2016, 1-9.	1.9	22
36	Metabonomic profiles delineate potential role of glutamate-glutamine cycle in <i>db/db</i> mice with diabetes-associated cognitive decline. <i>Molecular Brain</i> , 2016, 9, 40.	2.6	50

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37	Identification of key metabolic changes in renal interstitial fibrosis rats using metabonomics and pharmacology. <i>Scientific Reports</i> , 2016, 6, 27194.	3.3	34
38	Metabolic effects of basic fibroblast growth factor in streptozotocin-induced diabetic rats: A <sup>1</sup> H NMR-based metabolomics investigation. <i>Scientific Reports</i> , 2016, 6, 36474.	3.3	22
39	NMR-Based Metabolomics Reveal a Recovery from Metabolic Changes in the Striatum of 6-OHDA-Induced Rats Treated with Basic Fibroblast Growth Factor. <i>Molecular Neurobiology</i> , 2016, 53, 6690-6697.	4.0	23
40	Prediction and diagnosis of renal cell carcinoma using nuclear magnetic resonance-based serum metabolomics and self-organizing maps. <i>Oncotarget</i> , 2016, 7, 59189-59198.	1.8	58
41	Metabonomic analysis of potential biomarkers and drug targets involved in diabetic nephropathy mice. <i>Scientific Reports</i> , 2015, 5, 11998.	3.3	41
42	Serum Metabonomic Analysis of Protective Effects of Curcuma aromatica Oil on Renal Fibrosis Rats. <i>PLoS ONE</i> , 2014, 9, e108678.	2.5	16
43	Ex vivo <sup>1</sup> H nuclear magnetic resonance spectroscopy reveals systematic alterations in cerebral metabolites as the key pathogenetic mechanism of bilirubin encephalopathy. <i>Molecular Brain</i> , 2014, 7, 87.	2.6	14
44	Systemic and characteristic metabolites in the serum of streptozotocin-induced diabetic rats at different stages as revealed by a <sup>1</sup> H-NMR based metabonomic approach. <i>Molecular BioSystems</i> , 2014, 10, 686-693.	2.9	52
45	NMR-based Metabolomic Analysis of Human Bladder Cancer. <i>Analytical Sciences</i> , 2012, 28, 451-456.	1.6	76
46	Metabonomic analysis of the therapeutic effect of Zhibai Dihuang Pill in treatment of streptozotocin-induced diabetic nephropathy. <i>Journal of Ethnopharmacology</i> , 2012, 142, 647-656.	4.1	45
47	<sup>1</sup> H NMR-Based Metabonomic Analysis of Metabolic Changes of Serum and Liver in Zucker Obese Rats. <i>Analytical Letters</i> , 2011, 44, 1579-1590.	1.8	8
48	<sup>1</sup> H-NMR-based metabonomic analysis of metabolic profiling in diabetic nephropathy rats induced by streptozotocin. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 300, F947-F956.	2.7	56
49	<sup>1</sup> H NMR-based Metabonomic Analysis of Metabolic Changes in Streptozotocin-induced Diabetic Rats. <i>Analytical Sciences</i> , 2010, 26, 1277-1282.	1.6	29
50	Application of <sup>1</sup> H NMR-based metabonomics in the study of metabolic profiling of human hepatocellular carcinoma and liver cirrhosis. <i>Cancer Science</i> , 2009, 100, 782-785.	3.9	181