

Zhibo Gai

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

2,731
citations

218381

26
h-index

189595

50
g-index

62
all docs

62
docs citations

62
times ranked

4691
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual-Functional Plasmonic Photothermal Biosensors for Highly Accurate Severe Acute Respiratory Syndrome Coronavirus 2 Detection. <i>ACS Nano</i> , 2020, 14, 5268-5277.	7.3	838
2	Lipid Accumulation and Chronic Kidney Disease. <i>Nutrients</i> , 2019, 11, 722.	1.7	207
3	Arachidonic Acid Metabolism and Kidney Inflammation. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3683.	1.8	191
4	Molecular Mechanisms of Colistin-Induced Nephrotoxicity. <i>Molecules</i> , 2019, 24, 653.	1.7	84
5	An Overview of Lipid Metabolism and Nonalcoholic Fatty Liver Disease. <i>BioMed Research International</i> , 2020, 2020, 1-12.	0.9	82
6	Vitamin D 3 transactivates the zinc and manganese transporter SLC30A10 via the Vitamin D receptor. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016, 163, 77-87.	1.2	69
7	Effects of Farnesoid X Receptor Activation on Arachidonic Acid Metabolism, NF- κ B Signaling, and Hepatic Inflammation. <i>Molecular Pharmacology</i> , 2018, 94, 802-811.	1.0	69
8	Farnesoid X Receptor Protects against Kidney Injury in Uninephrectomized Obese Mice. <i>Journal of Biological Chemistry</i> , 2016, 291, 2397-2411.	1.6	64
9	Drug-induced bile duct injury. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 1498-1506.	1.8	59
10	SNAIL induces epithelial-to-mesenchymal transition in a human pancreatic cancer cell line (BxPC3) and promotes distant metastasis and invasiveness in vivo. <i>Experimental and Molecular Pathology</i> , 2010, 89, 149-157.	0.9	54
11	Farnesoid X receptor activation protects the kidney from ischemia-reperfusion damage. <i>Scientific Reports</i> , 2017, 7, 9815.	1.6	54
12	Thermoplasmonic-Assisted Cyclic Cleavage Amplification for Self-Validating Plasmonic Detection of SARS-CoV-2. <i>ACS Nano</i> , 2021, 15, 7536-7546.	7.3	44
13	TNF- α Deficiency Prevents Renal Inflammation and Oxidative Stress in Obese Mice. <i>Kidney and Blood Pressure Research</i> , 2017, 42, 416-427.	0.9	43
14	Organic Cation Transporters in Human Physiology, Pharmacology, and Toxicology. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7890.	1.8	42
15	Trps1 plays a pivotal role downstream of Gdf5 signaling in promoting chondrogenesis and apoptosis of ATDC5 cells. <i>Genes To Cells</i> , 2008, 13, 355-363.	0.5	41
16	Uninephrectomy augments the effects of high fat diet induced obesity on gene expression in mouse kidney. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 1870-1878.	1.8	40
17	Organic Cation Transporter 2 Overexpression May Confer an Increased Risk of Gentamicin-Induced Nephrotoxicity. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 5573-5580.	1.4	40
18	Trps1 Functions Downstream of Bmp7 in Kidney Development. <i>Journal of the American Society of Nephrology: JASN</i> , 2009, 20, 2403-2411.	3.0	39

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19	Trps1 Haploinsufficiency Promotes Renal Fibrosis by Increasing Arkadia Expression. <i>Journal of the American Society of Nephrology: JASN</i> , 2010, 21, 1468-1476.	3.0	38
20	Effect of chronic renal failure on the hepatic, intestinal, and renal expression of bile acid transporters. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 306, F130-F137.	1.3	37
21	Vitamin D and Vitamin D Receptor: New Insights in the Treatment of Hypertension. <i>Current Protein and Peptide Science</i> , 2019, 20, 984-995.	0.7	36
22	Antioxidant Effects of Protocatechuic Acid and Protocatechuic Aldehyde: Old Wine in a New Bottle. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-19.	0.5	35
23	TNF- α deficiency accelerates renal tubular interstitial fibrosis in the late stage of ureteral obstruction. <i>Experimental and Molecular Pathology</i> , 2008, 85, 207-213.	0.9	32
24	Trps1 deficiency enlarges the proliferative zone of growth plate cartilage by upregulation of Pthrp. <i>Bone</i> , 2008, 43, 64-71.	1.4	30
25	The function of TRPS1 in the development and differentiation of bone, kidney, and hair follicles. <i>Histology and Histopathology</i> , 2011, 26, 915-21.	0.5	30
26	Bile acids but not acidic acids induce Barrett's esophagus. <i>International Journal of Clinical and Experimental Pathology</i> , 2015, 8, 1384-92.	0.5	29
27	Colistin is Substrate of the Carnitine/Organic Cation Transporter 2 (OCTN2, SLC22A5). <i>Drug Metabolism and Disposition</i> , 2017, 45, 1240-1244.	1.7	25
28	The Role of Mitochondria in Drug-Induced Kidney Injury. <i>Frontiers in Physiology</i> , 2020, 11, 1079.	1.3	23
29	The Significance of Natural Product Derivatives and Traditional Medicine for COVID-19. <i>Processes</i> , 2020, 8, 937.	1.3	23
30	Obeticholic Acid Ameliorates Valproic Acid-Induced Hepatic Steatosis and Oxidative Stress. <i>Molecular Pharmacology</i> , 2020, 97, 314-323.	1.0	23
31	Farnesoid X Receptor (FXR) Aggravates Amyloid- β -Triggered Apoptosis by Modulating the cAMP-Response Element-Binding Protein (CREB)/Brain-Derived Neurotrophic Factor (BDNF) Pathway In Vitro. <i>Medical Science Monitor</i> , 2019, 25, 9335-9345.	0.5	23
32	The organic solute transporters alpha and beta are induced by hypoxia in human hepatocytes. <i>Liver International</i> , 2015, 35, 1152-1161.	1.9	19
33	Farnesoid X receptor activation induces the degradation of hepatotoxic 1-deoxysphingolipids in non-alcoholic fatty liver disease. <i>Liver International</i> , 2020, 40, 844-859.	1.9	18
34	Flurocholine Transport Mediated by the Organic Cation Transporter 2 (OCT2, SLC22A2): Implication for Imaging of Kidney Tumors. <i>Drug Metabolism and Disposition</i> , 2018, 46, 1129-1136.	1.7	17
35	Renal Reabsorption of Folates: Pharmacological and Toxicological Snapshots. <i>Nutrients</i> , 2019, 11, 2353.	1.7	16
36	SR-BI as a target of natural products and its significance in cancer. <i>Seminars in Cancer Biology</i> , 2022, 80, 18-38.	4.3	16

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37	Loss of Smad3 gives rise to poor soft callus formation and accelerates early fracture healing. <i>Experimental and Molecular Pathology</i> , 2011, 90, 107-115.	0.9	15
38	Effects of Farnesiferol B on Ischemia-Reperfusion-Induced Renal Damage, Inflammation, and NF- κ B Signaling. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6280.	1.8	15
39	Docosahexaenoic acid protects against palmitate-induced mitochondrial dysfunction in diabetic cardiomyopathy. <i>Biomedicine and Pharmacotherapy</i> , 2020, 128, 110306.	2.5	14
40	Plasma Membrane Cholesterol Regulates the Allosteric Binding of 1-Methyl-4-Phenylpyridinium to Organic Cation Transporter 2 (SLC22A2). <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2020, 372, 46-53.	1.3	14
41	Recent Progress on Lipid Intake and Chronic Kidney Disease. <i>BioMed Research International</i> , 2020, 2020, 1-11.	0.9	12
42	The loss of Trps1 suppresses ureteric bud branching because of the activation of TGF- β 2 signaling. <i>Developmental Biology</i> , 2013, 377, 415-427.	0.9	11
43	Opposing Effects of Reduced Kidney Mass on Liver and Skeletal Muscle Insulin Sensitivity in Obese Mice. <i>Diabetes</i> , 2015, 64, 1131-1141.	0.3	10
44	Farnesoid X receptor activation inhibits TGFBR1/TAK1-mediated vascular inflammation and calcification via miR-135a-5p. <i>Communications Biology</i> , 2020, 3, 327.	2.0	10
45	Bile Acids and Farnesoid X Receptor: Novel Target for the Treatment of Diabetic Cardiomyopathy. <i>Current Protein and Peptide Science</i> , 2019, 20, 976-983.	0.7	10
46	Genome-wide profiling to analyze the effects of FXR activation on mouse renal proximal tubular cells. <i>Genomics Data</i> , 2015, 6, 31-32.	1.3	9
47	Low expression level of ASK1-interacting protein-1 correlated with tumor angiogenesis and poor survival in patients with esophageal squamous cell cancer. <i>OncoTargets and Therapy</i> , 2018, Volume 11, 7699-7707.	1.0	9
48	microRNA-206 modulates the hepatic expression of the organic anion-transporting polypeptide 1B1. <i>Liver International</i> , 2019, 39, 2350-2359.	1.9	9
49	Oxidative stress increases 1-deoxysphingolipid levels in chronic kidney disease. <i>Free Radical Biology and Medicine</i> , 2021, 164, 139-148.	1.3	9
50	Cholesterol stimulates the cellular uptake of L-carnitine by the carnitine/organic cation transporter novel 2 (OCTN2). <i>Journal of Biological Chemistry</i> , 2021, 296, 100204.	1.6	8
51	Comparison of analytical sensitivity and efficiency for SARS-CoV-2 primer sets by TaqMan-based and SYBR Green-based RT-qPCR. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 2207-2218.	1.7	8
52	Aberrant expression of the P2 promoter-specific transcript Runx1 in epiphyseal cartilage of Trps1-null mice. <i>Experimental and Molecular Pathology</i> , 2011, 90, 143-148.	0.9	6
53	Renal Glycosuria as a Novel Early Sign of Colistin-Induced Kidney Damage in Mice. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	1.4	5
54	Untargeted Metabolomics Reveals Anaerobic Glycolysis as a Novel Target of the Hepatotoxic Antidepressant Nefazodone. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2020, 375, 239-246.	1.3	5

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55	The Role of the Carnitine/Organic Cation Transporter Novel 2 in the Clinical Outcome of Patients With Locally Advanced Esophageal Carcinoma Treated With Oxaliplatin. <i>Frontiers in Pharmacology</i> , 2021, 12, 684545.	1.6	5
56	Genome-wide profiling to analyze the effects of high fat diet induced obesity on renal gene expression in mouse with reduced renal mass. <i>Genomics Data</i> , 2014, 2, 42-43.	1.3	4
57	The role of cholesterol recognition (CARC/CRAC) mirror codes in the allostereism of the human organic cation transporter 2 (OCT2, SLC22A2). <i>Biochemical Pharmacology</i> , 2021, 194, 114840.	2.0	4
58	Prognostic Impact of the Angiogenic Gene POSTN and Its Related Genes on Lung Adenocarcinoma. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	3
59	Cystatin C predicts diabetic retinopathy in Chinese patients with type 2 diabetes. <i>International Journal of Diabetes in Developing Countries</i> , 2015, 35, 398-404.	0.3	2
60	The Role of NF- κ B in the Downregulation of Organic Cation Transporter 2 Expression and Renal Cation Secretion in Kidney Disease. <i>Frontiers in Medicine</i> , 2021, 8, 800421.	1.2	2