Weidong Zhang

List of Publications by Year
in descending order

29 papers	674 citations	623734 14 h-index	580821 25 g-index
29 all docs	29 docs citations	29 times ranked	1098 citing authors

#	Article	IF	Citations
1	Liver-expressed antimicrobial peptide 2 functions independently of growth hormone secretagogue receptor in calorie-restricted mice. Peptides, 2022, 151, 170763.	2.4	5
2	Regulation of feeding and therapeutic application of bioactive peptides. , 2022, 239, 108187.		4
3	Metabolic networks of plasma and joint fluid base on differential correlation. PLoS ONE, 2021, 16, e0247191.	2.5	1
4	Neuromedin U uses GÎ±i2 and GÎ±o to suppress glucose-stimulated Ca2+ signaling and insulin secretion in pancreatic Î² cells. PLoS ONE, 2021, 16, e0250232.	2.5	4
5	Metabolomic analysis coupled with extreme phenotype sampling identified that lysophosphatidylcholines are associated with multisite musculoskeletal pain. Pain, 2021, 162, 600-608.	4.2	17
6	Metabolomics Signature for Nonâ€Responders to Total Joint Replacement Surgery in Primary Osteoarthritis Patients: The Newfoundland Osteoarthritis Study. Journal of Orthopaedic Research, 2020, 38, 793-802.	2.3	23
7	Neuromedin U suppresses insulin secretion by triggering mitochondrial dysfunction and endoplasmic reticulum stress in pancreatic Î²â€cells. FASEB Journal, 2020, 34, 133-147.	0.5	13
8	Functional interaction between Ghrelin and GLP-1 regulates feeding through the vagal afferent system. Scientific Reports, 2020, 10, 18415.	3.3	14
9	Metabolomics analysis of human plasma metabolites reveals the age- and sex-specific associations. Journal of Liquid Chromatography and Related Technologies, 2020, 43, 185-194.	1.0	5
10	Differential correlation network analysis identified novel metabolomics signatures for non-responders to total joint replacement in primary osteoarthritis patients. Metabolomics, 2020, 16, 61.	3.0	12
11	Process Development of Sj-p80: A Low-Cost Transmission-Blocking Veterinary Vaccine for Asiatic Schistosomiasis. Frontiers in Immunology, 2020, 11, 578715.	4.8	4
12	Liver-expressed antimicrobial peptide 2 antagonizes the effect of ghrelin in rodents. Journal of Endocrinology, 2020, 244, 13-23.	2.6	58
13	Measurement of Free and Glucuronidated Cardamonin in Rat Plasma and Bile Using UPLC-MS/MS and Its Application to a Pharmacokinetic and Bile Excretion Study. Chemical Research in Chinese Universities, 2019, 35, 962-966.	2.6	0
14	Differential metabolomics networks analysis of menopausal status. PLoS ONE, 2019, 14, e0222353.	2.5	10
15	Schistosoma egg-induced liver pathology resolution by Sm-p80-based schistosomiasis vaccine in baboons. Pathology, 2018, 50, 442-449.	0.6	17
16	Differential metabolomics analysis allows characterization of diversity of metabolite networks between males and females. PLoS ONE, 2018, 13, e0207775.	2.5	13
17	A classification modeling approach for determining metabolite signatures in osteoarthritis. PLoS ONE, 2018, 13, e0199618.	2.5	16
18	Smâ€p80â€based vaccine trial in baboons: efficacy when mimicking natural conditions of chronic disease, praziquantel therapy, immunization, and <i>Schistosoma mansoni</i> reâ€encounter. Annals of the New York Academy of Sciences, 2018, 1425, 19-37.	3.8	28

#	ARTICLE	IF	CITATIONS
19	An evolutionary learning and network approach to identifying key metabolites for osteoarthritis. PLoS Computational Biology, 2018, 14, e1005986.	3.2	30
20	Neuromedin U suppresses glucose-stimulated insulin secretion in pancreatic β cells. Biochemical and Biophysical Research Communications, 2017, 493, 677-683.	2.1	17
21	Cross-species prophylactic efficacy of Sm-p80-based vaccine and intracellular localization of Sm-p80/Sm-p80 ortholog proteins during development in Schistosoma mansoni, Schistosoma japonicum, and Schistosoma haematobium. Parasitology Research, 2017, 116, 3175-3188.	1.6	27
22	Hyperglycemia-related advanced glycation end-products is associated with the altered phosphatidylcholine metabolism in osteoarthritis patients with diabetes. PLoS ONE, 2017, 12, e0184105.	2.5	34
23	METABOLOMICS DIFFERENTIAL CORRELATION NETWORK ANALYSIS OF OSTEOARTHRITIS. , 2016, , .		13
24	Lysophosphatidylcholines to phosphatidylcholines ratio predicts advanced knee osteoarthritis. Rheumatology, 2016, 55, 1566-1574.	1.9	68
25	Serum metabolic biomarkers distinguish metabolically healthy peripherally obese from unhealthy centrally obese individuals. Nutrition and Metabolism, 2016, 13, 33.	3.0	55
26	Metabolomic analysis of human synovial fluid and plasma reveals that phosphatidylcholine metabolism is associated with both osteoarthritis and diabetes mellitus. Metabolomics, 2016, 12, 1.	3.0	37
27	METABOLOMICS DIFFERENTIAL CORRELATION NETWORK ANALYSIS OF OSTEOARTHRITIS. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2016, 21, 120-31.	0.7	14
28	Relationship Between Blood Plasma and Synovial Fluid Metabolite Concentrations in Patients with Osteoarthritis. Journal of Rheumatology, 2015, 42, 859-865.	2.0	45
29	Classification of osteoarthritis phenotypes by metabolomics analysis. BMJ Open, 2014, 4, e006286.	1.9	90