

Weidong Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

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	Classification of osteoarthritis phenotypes by metabolomics analysis. <i>BMJ Open</i> , 2014, 4, e006286.	1.9	90
2	Lysophosphatidylcholines to phosphatidylcholines ratio predicts advanced knee osteoarthritis. <i>Rheumatology</i> , 2016, 55, 1566-1574.	1.9	68
3	Liver-expressed antimicrobial peptide 2 antagonizes the effect of ghrelin in rodents. <i>Journal of Endocrinology</i> , 2020, 244, 13-23.	2.6	58
4	Serum metabolic biomarkers distinguish metabolically healthy peripherally obese from unhealthy centrally obese individuals. <i>Nutrition and Metabolism</i> , 2016, 13, 33.	3.0	55
5	Relationship Between Blood Plasma and Synovial Fluid Metabolite Concentrations in Patients with Osteoarthritis. <i>Journal of Rheumatology</i> , 2015, 42, 859-865.	2.0	45
6	Metabolomic analysis of human synovial fluid and plasma reveals that phosphatidylcholine metabolism is associated with both osteoarthritis and diabetes mellitus. <i>Metabolomics</i> , 2016, 12, 1.	3.0	37
7	Hyperglycemia-related advanced glycation end-products is associated with the altered phosphatidylcholine metabolism in osteoarthritis patients with diabetes. <i>PLoS ONE</i> , 2017, 12, e0184105.	2.5	34
8	An evolutionary learning and network approach to identifying key metabolites for osteoarthritis. <i>PLoS Computational Biology</i> , 2018, 14, e1005986.	3.2	30
9	Sm-p80-based vaccine trial in baboons: efficacy when mimicking natural conditions of chronic disease, praziquantel therapy, immunization, and <i>Schistosoma mansoni</i> re-encounter. <i>Annals of the New York Academy of Sciences</i> , 2018, 1425, 19-37.	3.8	28
10	Cross-species prophylactic efficacy of Sm-p80-based vaccine and intracellular localization of Sm-p80/Sm-p80 ortholog proteins during development in <i>Schistosoma mansoni</i> , <i>Schistosoma japonicum</i> , and <i>Schistosoma haematobium</i> . <i>Parasitology Research</i> , 2017, 116, 3175-3188.	1.6	27
11	Metabolomics Signature for Non-Responders to Total Joint Replacement Surgery in Primary Osteoarthritis Patients: The Newfoundland Osteoarthritis Study. <i>Journal of Orthopaedic Research</i> , 2020, 38, 793-802.	2.3	23
12	Neuromedin U suppresses glucose-stimulated insulin secretion in pancreatic β^2 cells. <i>Biochemical and Biophysical Research Communications</i> , 2017, 493, 677-683.	2.1	17
13	<i>Schistosoma</i> egg-induced liver pathology resolution by Sm-p80-based schistosomiasis vaccine in baboons. <i>Pathology</i> , 2018, 50, 442-449.	0.6	17
14	Metabolomic analysis coupled with extreme phenotype sampling identified that lysophosphatidylcholines are associated with multisite musculoskeletal pain. <i>Pain</i> , 2021, 162, 600-608.	4.2	17
15	A classification modeling approach for determining metabolite signatures in osteoarthritis. <i>PLoS ONE</i> , 2018, 13, e0199618.	2.5	16
16	Functional interaction between Ghrelin and GLP-1 regulates feeding through the vagal afferent system. <i>Scientific Reports</i> , 2020, 10, 18415.	3.3	14
17	METABOLOMICS DIFFERENTIAL CORRELATION NETWORK ANALYSIS OF OSTEOARTHRITIS. <i>Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing</i> , 2016, 21, 120-31.	0.7	14
18	METABOLOMICS DIFFERENTIAL CORRELATION NETWORK ANALYSIS OF OSTEOARTHRITIS. , 2016, , .		13

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19	Differential metabolomics analysis allows characterization of diversity of metabolite networks between males and females. PLoS ONE, 2018, 13, e0207775.	2.5	13
20	Neuromedin U suppresses insulin secretion by triggering mitochondrial dysfunction and endoplasmic reticulum stress in pancreatic β cells. FASEB Journal, 2020, 34, 133-147.	0.5	13
21	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
22	Differential metabolomics networks analysis of menopausal status. PLoS ONE, 2019, 14, e0222353.	2.5	10
23	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
24	Liver-expressed antimicrobial peptide 2 functions independently of growth hormone secretagogue receptor in calorie-restricted mice. Peptides, 2022, 151, 170763.	2.4	5
25	Process Development of Sj-p80: A Low-Cost Transmission-Blocking Veterinary Vaccine for Asiatic Schistosomiasis. Frontiers in Immunology, 2020, 11, 578715.	4.8	4
26	Neuromedin U uses G_{i2} and G_{i0} to suppress glucose-stimulated Ca^{2+} signaling and insulin secretion in pancreatic β cells. PLoS ONE, 2021, 16, e0250232.	2.5	4
27	Regulation of feeding and therapeutic application of bioactive peptides. , 2022, 239, 108187.		4
28	Metabolic networks of plasma and joint fluid base on differential correlation. PLoS ONE, 2021, 16, e0247191.	2.5	1
29	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