

Xin Cui

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,100
citations

361296

20
h-index

414303

32
g-index

39
all docs

39
docs citations

39
times ranked

1934
citing authors

#	ARTICLE	IF	CITATIONS
1	Seipin ablation in mice results in severe generalized lipodystrophy. <i>Human Molecular Genetics</i> , 2011, 20, 3022-3030.	1.4	152
2	Thermoneutrality decreases thermogenic program and promotes adiposity in high-fat diet-fed mice. <i>Physiological Reports</i> , 2016, 4, e12799.	0.7	93
3	Histone Deacetylase 1 (HDAC1) Negatively Regulates Thermogenic Program in Brown Adipocytes via Coordinated Regulation of Histone H3 Lysine 27 (H3K27) Deacetylation and Methylation. <i>Journal of Biological Chemistry</i> , 2016, 291, 4523-4536.	1.6	87
4	Adipose-Specific Knockout of <i>Seipin/Bscl2</i> Results in Progressive Lipodystrophy. <i>Diabetes</i> , 2014, 63, 2320-2331.	0.3	84
5	Ultrastable and efficient H ₂ production via membrane-free hybrid water electrolysis over a bifunctional catalyst of hierarchical Mo-Ni alloy nanoparticles. <i>Journal of Materials Chemistry A</i> , 2019, 7, 16501-16507.	5.2	49
6	Comparison of brown and white adipose tissue fat fractions in ob, seipin, and Fsp27 gene knockout mice by chemical shift-selective imaging and 1H-MR spectroscopy. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 304, E160-E167.	1.8	45
7	Interaction between metformin and leucine in reducing hyperlipidemia and hepatic lipid accumulation in diet-induced obese mice. <i>Metabolism: Clinical and Experimental</i> , 2015, 64, 1426-1434.	1.5	44
8	Colloidal Synthesis of Mo-Ni Alloy Nanoparticles as Bifunctional Electrocatalysts for Efficient Overall Water Splitting. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800359.	1.9	42
9	Sympathetic nerve innervation is required for beigeing in white fat. <i>Physiological Reports</i> , 2019, 7, e14031.	0.7	42
10	SiO ₂ -Encompassed Co@N-Doped Porous Carbon Assemblies as Recyclable Catalysts for Efficient Hydrolysis of Ammonia Borane. <i>Langmuir</i> , 2019, 35, 671-677.	1.6	40
11	Protective Effects and Mechanisms of G5 PAMAM Dendrimers against Acute Pancreatitis Induced by Caerulein in Mice. <i>Biomacromolecules</i> , 2015, 16, 174-182.	2.6	37
12	Research progress of low dielectric constant polymer materials. <i>Journal of Polymer Engineering</i> , 2022, 42, 677-687.	0.6	37
13	Myeloid Deletion of Î±1AMPK Exacerbates Atherosclerosis in LDL Receptor Knockout (LDLRKO) Mice. <i>Diabetes</i> , 2016, 65, 1565-1576.	0.3	36
14	Leucine amplifies the effects of metformin on insulin sensitivity and glycemic control in diet-induced obese mice. <i>Metabolism: Clinical and Experimental</i> , 2015, 64, 845-856.	1.5	32
15	Epigenetic regulation of E-cadherin expression by the histone demethylase UTX in colon cancer cells. <i>Medical Oncology</i> , 2016, 33, 21.	1.2	32
16	Overexpression of a short human seipin/BSCL2 isoform in mouse adipose tissue results in mild lipodystrophy. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 302, E705-E713.	1.8	31
17	Quantification of liver fat in mice: comparing dual-echo Dixon imaging, chemical shift imaging, and 1H-MR spectroscopy. <i>Journal of Lipid Research</i> , 2011, 52, 1847-1855.	2.0	30
18	Adipose tissue-derived neurotrophic factor 3 regulates sympathetic innervation and thermogenesis in adipose tissue. <i>Nature Communications</i> , 2021, 12, 5362.	5.8	27

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19	Enhancing Electrochemical Hydrogen Evolution Performance of CoMoO ₄ -Based Microrod Arrays in Neutral Media through Alkaline Activation. ACS Applied Materials & Interfaces, 2020, 12, 30905-30914.	4.0	22
20	A Combination of Leucine, Metformin, and Sildenafil Treats Nonalcoholic Fatty Liver Disease and Steatohepatitis in Mice. International Journal of Hepatology, 2016, 2016, 1-16.	0.4	21
21	Interaction between leucine and phosphodiesterase 5 inhibition in modulating insulin sensitivity and lipid metabolism. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 2015, 8, 227.	1.1	19
22	Enhanced thermal conductivity of nanofluids by introducing Janus particles. Nanoscale, 2021, 14, 99-107.	2.8	18
23	Development of a Novel Model of Hypertriglyceridemic Acute Pancreatitis in Hamsters. Pancreas, 2012, 41, 845-848.	0.5	11
24	Postnatal leptin surge is critical for the transient induction of the developmental beige adipocytes in mice. American Journal of Physiology - Endocrinology and Metabolism, 2020, 318, E453-E461.	1.8	11
25	Epigenetic interaction between UTX and DNMT1 regulates diet-induced myogenic remodeling in brown fat. Nature Communications, 2021, 12, 6838.	5.8	11
26	Leucine-nicotinic acid synergy stimulates AMPK/Sirt1 signaling and regulates lipid metabolism and lifespan in Caenorhabditis elegans, and hyperlipidemia and atherosclerosis in mice. American Journal of Cardiovascular Disease, 2017, 7, 33-47.	0.5	9
27	Dnmt3b Deficiency in Myf5+ Brown Fat Precursor Cells Promotes Obesity in Female Mice. Biomolecules, 2021, 11, 1087.	1.8	8
28	Simultaneous and Reversible Triggering of the Phase Transfer and Luminescence Change of Amidine-Modified Carbon Dots by CO ₂ . ACS Applied Materials & Interfaces, 2019, 11, 22851-22857.	4.0	7
29	Recognition behavior of chiral nanocomposites toward biomolecules and its application in electrochemical immunoassay. Science China Chemistry, 2010, 53, 1453-1458.	4.2	6
30	Water Splitting Catalysts: Colloidal Synthesis of Mo-Ni Alloy Nanoparticles as Bifunctional Electrocatalysts for Efficient Overall Water Splitting (Adv. Mater. Interfaces 13/2018). Advanced Materials Interfaces, 2018, 5, 1870063.	1.9	4
31	Fatty Acids Rescue the Thermogenic Function of Sympathetically Denervated Brown Fat. Biomolecules, 2021, 11, 1428.	1.8	4
32	Application of l-thiazolidine-4-carboxylic acid monolayer in electrochemical determination of copper(II). Science China Chemistry, 2010, 53, 257-262.	4.2	3
33	Brown Fat Dnmt3b Deficiency Ameliorates Obesity in Female Mice. Life, 2021, 11, 1325.	1.1	2
34	Adipocyte Utx Deficiency Promotes High-Fat Diet-Induced Metabolic Dysfunction in Mice. Cells, 2022, 11, 181.	1.8	2
35	Notice of Retraction: Non-uniform spreading of soluble surfactant solutions with disjoining pressure. , 2010, , .		0
36	Smooth muscle-specific overexpression of PGC-1 β protects mice from acute colitis. World Chinese Journal of Digestology, 2012, 20, 1824.	0.0	0

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37	Synergistic effects of leucine with phosphodiesterase 5 inhibition on insulin sensitivity (1035.4). FASEB Journal, 2014, 28, 1035.4.	0.2	0