Zheng Sun

List of Publications by Year
in descending order

71 papers	7,825 citations	109321 35 h-index	95266 68 g-index
78 all docs	78 docs citations	78 times ranked	11464 citing authors

#	Article	IF	Citations
1	An estrogen-sensitive hypothalamus-midbrain neural circuit controls thermogenesis and physical activity. Science Advances, 2022, 8, eabk0185.	10.3	11
2	Myocardial Rev-erbâ€“Mediated Diurnal Metabolic Rhythm and Obesity Paradox. Circulation, 2022, 145, 448-464.	1.6	31
3	Plasma Diaphanous Related Formin 1 Levels Are Associated with Altered Glucose Metabolism and Insulin Resistance in Patients with Polycystic Ovary Syndrome: A Case Control Study. Mediators of Inflammation, 2022, 2022, 1-16.	3.0	0
4	Circadian clock, diurnal glucose metabolic rhythm, and dawn phenomenon. Trends in Neurosciences, 2022, 45, 471-482.	8.6	18
5	Breast cancer susceptibility gene 1 regulates oxidative damage via nuclear factor erythroid 2-related factor 2 in oral cancer cells. Archives of Oral Biology, 2022, 139, 105447.	1.8	0
6	AgRP neurons trigger long-term potentiation and facilitate food seeking. Translational Psychiatry, 2021, 11, 11.	4.8	22
7	Interâ€•and Transgenerational Effects of Paternal Exposure to Inorganic Arsenic. Advanced Science, 2021, 8, 2002715.	11.2	20
8	REV-ERB in GABAergic neurons controls diurnal hepatic insulin sensitivity. Nature, 2021, 592, 763-767.	27.8	40
9	HDAC3 controls male fertility through enzyme-independent transcriptional regulation at the meiotic exit of spermatogenesis. Nucleic Acids Research, 2021, 49, 5106-5123.	14.5	25
10	Barbadin potentiates long-term effects of lorcaserin on POMC neurons and weight loss. Journal of Neuroscience, 2021, 41, JN-RM-3210-20.	3.6	11
11	Ube2i deletion in adipocytes causes lipoatrophy in mice. Molecular Metabolism, 2021, 48, 101221.	6.5	9
12	5-HT recruits distinct neurocircuits to inhibit hunger-driven and non-hunger-driven feeding. Molecular Psychiatry, 2021, 26, 7211-7224.	7.9	17
13	Calcium supplementation relieves high-fat diet-induced liver steatosis by reducing energy metabolism and promoting lipolysis. Journal of Nutritional Biochemistry, 2021, 94, 108645.	4.2	13
14	Endothelium-specific depletion of LRP1 improves glucose homeostasis through inducing osteocalcin. Nature Communications, 2021, 12, 5296.	12.8	16
15	Hypothalamic steroid receptor coactivator-2 regulates adaptations to fasting and overnutrition. Cell Reports, 2021, 37, 110075.	6.4	8
16	A POMC-originated circuit regulates stress-induced hypophagia, depression, and anhedonia. Molecular Psychiatry, 2020, 25, 1006-1021.	7.9	64
17	Nuclear Receptor Coactivators (NCOAs) and Corepressors (NCORs) in the Brain. Endocrinology, 2020, 161, .	2.8	30
18	Nuclear receptor corepressors in intellectual disability and autism. Molecular Psychiatry, 2020, 25, 2220-2236.	7.9	15

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19	Genome sequencing analysis of a family with a child displaying severe abdominal distention and recurrent hypoglycemia. Molecular Genetics & Genomic Medicine, 2020, 8, e1130.	1.2	5
20	Estrogen receptor-Î± expressing neurons in the ventrolateral VMH regulate glucose balance. Nature Communications, 2020, 11, 2165.	12.8	48
21	Comprehensive analysis of differences of N⁶-methyladenosine RNA methylomes between high-fat-fed and normal mouse livers. Epigenomics, 2019, 11, 1267-1282.	2.1	78
22	Aerobic Plus Resistance Exercise in Obese Older Adults Improves Muscle Protein Synthesis and Preserves Myocellular Quality Despite Weight Loss. Cell Metabolism, 2019, 30, 261-273.e6.	16.2	77
23	Hormesis in Health and Chronic Diseases. Trends in Endocrinology and Metabolism, 2019, 30, 944-958.	7.1	35
24	Loss of function of NCOR1 and NCOR2 impairs memory through a novel GABAergic hypothalamusâ€“CA3 projection. Nature Neuroscience, 2019, 22, 205-217.	14.8	54
25	Non-monotonic dose-response effects of arsenic on glucose metabolism. Toxicology and Applied Pharmacology, 2019, 377, 114605.	2.8	12
26	Rapamycin-mediated mTOR inhibition impairs silencing of sex chromosomes and the pachytene piRNA pathway in the mouse testis. Aging, 2019, 11, 185-208.	3.1	5
27	Mechanism of Action for HDAC Inhibitorsâ€”Insights from Omics Approaches. International Journal of Molecular Sciences, 2019, 20, 1616.	4.1	48
28	The HDAC3 enzymatic activity regulates skeletal muscle fuel metabolism. Journal of Molecular Cell Biology, 2019, 11, 133-143.	3.3	37
29	Deficiency of Mitochondrial Glycerol 3â€Phosphate Dehydrogenase Contributes to Hepatic Steatosis. Hepatology, 2019, 70, 84-97.	7.3	30
30	Atrial remodeling and metabolic dysfunction in idiopathic isolated fibrotic atrial cardiomyopathy. International Journal of Cardiology, 2018, 265, 155-161.	1.7	4
31	Integrated omics approaches to characterize a nuclear receptor corepressor-associated histone deacetylase in mouse skeletal muscle. Molecular and Cellular Endocrinology, 2018, 471, 22-32.	3.2	12
32	Toxicity of overexpressed MeCP2 is independent of HDAC3 activity. Genes and Development, 2018, 32, 1514-1524.	5.9	23
33	Central Circadian Clock Regulates Energy Metabolism. Advances in Experimental Medicine and Biology, 2018, 1090, 79-103.	1.6	15
34	Sox30 initiates transcription of haploid genes during late meiosis and spermiogenesis in mouse testes. Development (Cambridge), 2018, 145, .	2.5	36
35	Conditional ablation of Raptor in the male germline causes infertility due to meiotic arrest and impaired inactivation of sex chromosomes. FASEB Journal, 2017, 31, 3934-3949.	0.5	16
36	Intergenerational Effects of Endocrine Disorder on Metabolism. EBioMedicine, 2017, 16, 18-19.	6.1	0

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37	Dissociation of muscle insulin sensitivity from exercise endurance in mice by HDAC3 depletion. Nature Medicine, 2017, 23, 223-234.	30.7	90
38	Genome-Nuclear Lamina Interactions Regulate Cardiac Stem Cell Lineage Restriction. Cell, 2017, 171, 573-587.e14.	28.9	162
39	The hepatic circadian clock fine-tunes the lipogenic response to feeding through RORÎ±/Î³. Genes and Development, 2017, 31, 1202-1211.	5.9	64
40	Physiological Suppression of Lipotoxic Liver DamageÂby Complementary Actions of HDAC3 andÂSCAP/SREBP. Cell Metabolism, 2016, 24, 863-874.	16.2	59
41	Hdac3 Interaction with p300 Histone Acetyltransferase Regulates the Oligodendrocyte and Astrocyte Lineage Fate Switch. Developmental Cell, 2016, 36, 316-330.	7.0	90
42	Irisin modulates the association of interleukin-17A with the presence of non-proliferative diabetic retinopathy in patients with type 2 diabetes. Endocrine, 2016, 53, 459-464.	2.3	20
43	Discrete functions of nuclear receptor Rev-erbÎ± couple metabolism to the clock. Science, 2015, 348, 1488-1492.	12.6	268
44	IL-15RÎ± is a determinant of muscle fuel utilization, and its loss protects against obesity. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 309, R835-R844.	1.8	31
45	Histone deacetylase 3 modulates Tbx5 activity to regulate early cardiogenesis. Human Molecular Genetics, 2014, 23, 3801-3809.	2.9	29
46	Circadian Enhancers Coordinate Multiple Phases of Rhythmic Gene Transcription InÂVivo. Cell, 2014, 159, 1140-1152.	28.9	200
47	USP15 Negatively Regulates Nrf2 through Deubiquitination of Keap1. Molecular Cell, 2013, 51, 68-79.	9.7	98
48	Deacetylase-Independent Function of HDAC3 in Transcription and Metabolism Requires Nuclear Receptor Corepressor. Molecular Cell, 2013, 52, 769-782.	9.7	208
49	Nuclear receptor co-repressors are required for the histone-deacetylase activity of HDAC3Âin vivo. Nature Structural and Molecular Biology, 2013, 20, 182-187.	8.2	164
50	Dissociating fatty liver and diabetes. Trends in Endocrinology and Metabolism, 2013, 24, 4-12.	7.1	130
51	Opposite effects of arsenic trioxide on the Nrf2 pathway in oral squamous cell carcinoma in vitro and in vivo. Cancer Letters, 2012, 318, 93-98.	7.2	17
52	Hepatic Hdac3 promotes gluconeogenesis by repressing lipid synthesis and sequestration. Nature Medicine, 2012, 18, 934-942.	30.7	285
53	A Circadian Rhythm Orchestrated by Histone Deacetylase 3 Controls Hepatic Lipid Metabolism. Science, 2011, 331, 1315-1319.	12.6	596
54	KPNA6 (Importin Î±7)-Mediated Nuclear Import of Keap1 Represses the Nrf2-Dependent Antioxidant Response. Molecular and Cellular Biology, 2011, 31, 1800-1811.	2.3	73

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55	Diet-induced Lethality Due to Deletion of the Hdac3 Gene in Heart and Skeletal Muscle. Journal of Biological Chemistry, 2011, 286, 33301-33309.	3.4	83
56	A Small-Molecule Inducer of the Antioxidant Response Element. Chemistry and Biology, 2010, 17, 537-547.	6.0	73
57	A Noncanonical Mechanism of Nrf2 Activation by Autophagy Deficiency: Direct Interaction between Keap1 and p62. Molecular and Cellular Biology, 2010, 30, 3275-3285.	2.3	717
58	Phosphorylation of Nrf2 at Multiple Sites by MAP Kinases Has a Limited Contribution in Modulating the Nrf2-Dependent Antioxidant Response. PLoS ONE, 2009, 4, e6588.	2.5	297
59	Nrf2 and p21 regulate the fine balance between life and death by controlling ROS levels. Cell Cycle, 2009, 8, 3255-3256.	2.6	84
60	Acetylation of Nrf2 by p300/CBP Augments Promoter-Specific DNA Binding of Nrf2 during the Antioxidant Response. Molecular and Cellular Biology, 2009, 29, 2658-2672.	2.3	340
61	Direct Interaction between Nrf2 and p21Cip1/WAF1 Upregulates the Nrf2-Mediated Antioxidant Response. Molecular Cell, 2009, 34, 663-673.	9.7	544
62	Cinnamoyl-based Nrf2-activators targeting human skin cell photo-oxidative stress. Free Radical Biology and Medicine, 2008, 45, 385-395.	2.9	87
63	Activation of Nrf2 by arsenite and monomethylarsonous acid is independent of Keap1-C151: enhanced Keap1â€“Cul3 interaction. Toxicology and Applied Pharmacology, 2008, 230, 383-389.	2.8	121
64	Dual roles of Nrf2 in cancer. Pharmacological Research, 2008, 58, 262-270.	7.1	586
65	Nrf2 enhances resistance of cancer cells to chemotherapeutic drugs, the dark side of Nrf2. Carcinogenesis, 2008, 29, 1235-1243.	2.8	691
66	High-throughput screening of chemopreventive compounds targeting Nrf2. , 2008, , .		0
67	Oridonin Confers Protection against Arsenic-Induced Toxicity through Activation of the Nrf2-Mediated Defensive Response. Environmental Health Perspectives, 2008, 116, 1154-1161.	6.0	89
68	Keap1 Controls Postinduction Repression of the Nrf2-Mediated Antioxidant Response by Escorting Nuclear Export of Nrf2. Molecular and Cellular Biology, 2007, 27, 6334-6349.	2.3	286
69	Nrf2 protects human bladder urothelial cells from arsenite and monomethylarsonous acid toxicity. Toxicology and Applied Pharmacology, 2007, 225, 206-213.	2.8	91
70	Ubiquitination of Keap1, a BTB-Kelch Substrate Adaptor Protein for Cul3, Targets Keap1 for Degradation by a Proteasome-independent Pathway. Journal of Biological Chemistry, 2005, 280, 30091-30099.	3.4	251
71	SR9009 improves heart function after pressure overload independent of cardiac REV-ERB. Frontiers in Cardiovascular Medicine, 0, 9, .	2.4	1