

Zheng Sun

List of Publications by Year in descending order

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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	A Noncanonical Mechanism of Nrf2 Activation by Autophagy Deficiency: Direct Interaction between Keap1 and p62. <i>Molecular and Cellular Biology</i> , 2010, 30, 3275-3285.	2.3	717
2	Nrf2 enhances resistance of cancer cells to chemotherapeutic drugs, the dark side of Nrf2. <i>Carcinogenesis</i> , 2008, 29, 1235-1243.	2.8	691
3	A Circadian Rhythm Orchestrated by Histone Deacetylase 3 Controls Hepatic Lipid Metabolism. <i>Science</i> , 2011, 331, 1315-1319.	12.6	596
4	Dual roles of Nrf2 in cancer. <i>Pharmacological Research</i> , 2008, 58, 262-270.	7.1	586
5	Direct Interaction between Nrf2 and p21Cip1/WAF1 Upregulates the Nrf2-Mediated Antioxidant Response. <i>Molecular Cell</i> , 2009, 34, 663-673.	9.7	544
6	Acetylation of Nrf2 by p300/CBP Augments Promoter-Specific DNA Binding of Nrf2 during the Antioxidant Response. <i>Molecular and Cellular Biology</i> , 2009, 29, 2658-2672.	2.3	340
7	Phosphorylation of Nrf2 at Multiple Sites by MAP Kinases Has a Limited Contribution in Modulating the Nrf2-Dependent Antioxidant Response. <i>PLoS ONE</i> , 2009, 4, e6588.	2.5	297
8	Keap1 Controls Postinduction Repression of the Nrf2-Mediated Antioxidant Response by Escorting Nuclear Export of Nrf2. <i>Molecular and Cellular Biology</i> , 2007, 27, 6334-6349.	2.3	286
9	Hepatic Hdac3 promotes gluconeogenesis by repressing lipid synthesis and sequestration. <i>Nature Medicine</i> , 2012, 18, 934-942.	30.7	285
10	Discrete functions of nuclear receptor Rev-erb α couple metabolism to the clock. <i>Science</i> , 2015, 348, 1488-1492.	12.6	268
11	Ubiquitination of Keap1, a BTB-Kelch Substrate Adaptor Protein for Cul3, Targets Keap1 for Degradation by a Proteasome-independent Pathway. <i>Journal of Biological Chemistry</i> , 2005, 280, 30091-30099.	3.4	251
12	Deacetylase-Independent Function of HDAC3 in Transcription and Metabolism Requires Nuclear Receptor Corepressor. <i>Molecular Cell</i> , 2013, 52, 769-782.	9.7	208
13	Circadian Enhancers Coordinate Multiple Phases of Rhythmic Gene Transcription In Vivo. <i>Cell</i> , 2014, 159, 1140-1152.	28.9	200
14	Nuclear receptor co-repressors are required for the histone-deacetylase activity of HDAC3 in vivo. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 182-187.	8.2	164
15	Genome-Nuclear Lamina Interactions Regulate Cardiac Stem Cell Lineage Restriction. <i>Cell</i> , 2017, 171, 573-587.e14.	28.9	162
16	Dissociating fatty liver and diabetes. <i>Trends in Endocrinology and Metabolism</i> , 2013, 24, 4-12.	7.1	130
17	Activation of Nrf2 by arsenite and monomethylarsonous acid is independent of Keap1-C151: enhanced Keap1-Cul3 interaction. <i>Toxicology and Applied Pharmacology</i> , 2008, 230, 383-389.	2.8	121
18	USP15 Negatively Regulates Nrf2 through Deubiquitination of Keap1. <i>Molecular Cell</i> , 2013, 51, 68-79.	9.7	98

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19	Nrf2 protects human bladder urothelial cells from arsenite and monomethylarsonous acid toxicity. <i>Toxicology and Applied Pharmacology</i> , 2007, 225, 206-213.	2.8	91
20	Hdac3 Interaction with p300 Histone Acetyltransferase Regulates the Oligodendrocyte and Astrocyte Lineage Fate Switch. <i>Developmental Cell</i> , 2016, 36, 316-330.	7.0	90
21	Dissociation of muscle insulin sensitivity from exercise endurance in mice by HDAC3 depletion. <i>Nature Medicine</i> , 2017, 23, 223-234.	30.7	90
22	Oridonin Confers Protection against Arsenic-Induced Toxicity through Activation of the Nrf2-Mediated Defensive Response. <i>Environmental Health Perspectives</i> , 2008, 116, 1154-1161.	6.0	89
23	Cinnamoyl-based Nrf2-activators targeting human skin cell photo-oxidative stress. <i>Free Radical Biology and Medicine</i> , 2008, 45, 385-395.	2.9	87
24	Nrf2 and p21 regulate the fine balance between life and death by controlling ROS levels. <i>Cell Cycle</i> , 2009, 8, 3255-3256.	2.6	84
25	Diet-induced Lethality Due to Deletion of the Hdac3 Gene in Heart and Skeletal Muscle. <i>Journal of Biological Chemistry</i> , 2011, 286, 33301-33309.	3.4	83
26	Comprehensive analysis of differences of N ⁶ -methyladenosine RNA methylomes between high-fat-fed and normal mouse livers. <i>Epigenomics</i> , 2019, 11, 1267-1282.	2.1	78
27	Aerobic Plus Resistance Exercise in Obese Older Adults Improves Muscle Protein Synthesis and Preserves Myocellular Quality Despite Weight Loss. <i>Cell Metabolism</i> , 2019, 30, 261-273.e6.	16.2	77
28	A Small-Molecule Inducer of the Antioxidant Response Element. <i>Chemistry and Biology</i> , 2010, 17, 537-547.	6.0	73
29	KPNA6 (Importin β 7)-Mediated Nuclear Import of Keap1 Represses the Nrf2-Dependent Antioxidant Response. <i>Molecular and Cellular Biology</i> , 2011, 31, 1800-1811.	2.3	73
30	The hepatic circadian clock fine-tunes the lipogenic response to feeding through ROR α . <i>Genes and Development</i> , 2017, 31, 1202-1211.	5.9	64
31	A POMC-originated circuit regulates stress-induced hypophagia, depression, and anhedonia. <i>Molecular Psychiatry</i> , 2020, 25, 1006-1021.	7.9	64
32	Physiological Suppression of Lipotoxic Liver Damage by Complementary Actions of HDAC3 and ASCAP/SREBP. <i>Cell Metabolism</i> , 2016, 24, 863-874.	16.2	59
33	Loss of function of NCOR1 and NCOR2 impairs memory through a novel GABAergic hypothalamus-CA3 projection. <i>Nature Neuroscience</i> , 2019, 22, 205-217.	14.8	54
34	Mechanism of Action for HDAC Inhibitors: Insights from Omics Approaches. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1616.	4.1	48
35	Estrogen receptor- α expressing neurons in the ventrolateral VMH regulate glucose balance. <i>Nature Communications</i> , 2020, 11, 2165.	12.8	48
36	REV-ERB in GABAergic neurons controls diurnal hepatic insulin sensitivity. <i>Nature</i> , 2021, 592, 763-767.	27.8	40

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37	The HDAC3 enzymatic activity regulates skeletal muscle fuel metabolism. <i>Journal of Molecular Cell Biology</i> , 2019, 11, 133-143.	3.3	37
38	Sox30 initiates transcription of haploid genes during late meiosis and spermiogenesis in mouse testes. <i>Development (Cambridge)</i> , 2018, 145, .	2.5	36
39	Hormesis in Health and Chronic Diseases. <i>Trends in Endocrinology and Metabolism</i> , 2019, 30, 944-958.	7.1	35
40	IL-15R α is a determinant of muscle fuel utilization, and its loss protects against obesity. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 309, R835-R844.	1.8	31
41	Myocardial Rev-erb α -Mediated Diurnal Metabolic Rhythm and Obesity Paradox. <i>Circulation</i> , 2022, 145, 448-464.	1.6	31
42	Deficiency of Mitochondrial Glycerol 3-Phosphate Dehydrogenase Contributes to Hepatic Steatosis. <i>Hepatology</i> , 2019, 70, 84-97.	7.3	30
43	Nuclear Receptor Coactivators (NCOAs) and Corepressors (NCORs) in the Brain. <i>Endocrinology</i> , 2020, 161, .	2.8	30
44	Histone deacetylase 3 modulates Tbx5 activity to regulate early cardiogenesis. <i>Human Molecular Genetics</i> , 2014, 23, 3801-3809.	2.9	29
45	HDAC3 controls male fertility through enzyme-independent transcriptional regulation at the meiotic exit of spermatogenesis. <i>Nucleic Acids Research</i> , 2021, 49, 5106-5123.	14.5	25
46	Toxicity of overexpressed MeCP2 is independent of HDAC3 activity. <i>Genes and Development</i> , 2018, 32, 1514-1524.	5.9	23
47	AgRP neurons trigger long-term potentiation and facilitate food seeking. <i>Translational Psychiatry</i> , 2021, 11, 11.	4.8	22
48	Irisin modulates the association of interleukin-17A with the presence of non-proliferative diabetic retinopathy in patients with type 2 diabetes. <i>Endocrine</i> , 2016, 53, 459-464.	2.3	20
49	Inter- and Transgenerational Effects of Paternal Exposure to Inorganic Arsenic. <i>Advanced Science</i> , 2021, 8, 2002715.	11.2	20
50	Circadian clock, diurnal glucose metabolic rhythm, and dawn phenomenon. <i>Trends in Neurosciences</i> , 2022, 45, 471-482.	8.6	18
51	Opposite effects of arsenic trioxide on the Nrf2 pathway in oral squamous cell carcinoma in vitro and in vivo. <i>Cancer Letters</i> , 2012, 318, 93-98.	7.2	17
52	5-HT recruits distinct neurocircuits to inhibit hunger-driven and non-hunger-driven feeding. <i>Molecular Psychiatry</i> , 2021, 26, 7211-7224.	7.9	17
53	Conditional ablation of <i>Raptor</i> in the male germline causes infertility due to meiotic arrest and impaired inactivation of sex chromosomes. <i>FASEB Journal</i> , 2017, 31, 3934-3949.	0.5	16
54	Endothelium-specific depletion of LRP1 improves glucose homeostasis through inducing osteocalcin. <i>Nature Communications</i> , 2021, 12, 5296.	12.8	16

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55	Central Circadian Clock Regulates Energy Metabolism. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1090, 79-103.	1.6	15
56	Nuclear receptor corepressors in intellectual disability and autism. <i>Molecular Psychiatry</i> , 2020, 25, 2220-2236.	7.9	15
57	Calcium supplementation relieves high-fat diet-induced liver steatosis by reducing energy metabolism and promoting lipolysis. <i>Journal of Nutritional Biochemistry</i> , 2021, 94, 108645.	4.2	13
58	Integrated omics approaches to characterize a nuclear receptor corepressor-associated histone deacetylase in mouse skeletal muscle. <i>Molecular and Cellular Endocrinology</i> , 2018, 471, 22-32.	3.2	12
59	Non-monotonic dose-response effects of arsenic on glucose metabolism. <i>Toxicology and Applied Pharmacology</i> , 2019, 377, 114605.	2.8	12
60	Barbadin potentiates long-term effects of lorcaserin on POMC neurons and weight loss. <i>Journal of Neuroscience</i> , 2021, 41, JN-RM-3210-20.	3.6	11
61	An estrogen-sensitive hypothalamus-midbrain neural circuit controls thermogenesis and physical activity. <i>Science Advances</i> , 2022, 8, eabk0185.	10.3	11
62	Ube2i deletion in adipocytes causes lipotrophy in mice. <i>Molecular Metabolism</i> , 2021, 48, 101221.	6.5	9
63	Hypothalamic steroid receptor coactivator-2 regulates adaptations to fasting and overnutrition. <i>Cell Reports</i> , 2021, 37, 110075.	6.4	8
64	Rapamycin-mediated mTOR inhibition impairs silencing of sex chromosomes and the pachytene piRNA pathway in the mouse testis. <i>Aging</i> , 2019, 11, 185-208.	3.1	5
65	Genome sequencing analysis of a family with a child displaying severe abdominal distention and recurrent hypoglycemia. <i>Molecular Genetics & Genomic Medicine</i> , 2020, 8, e1130.	1.2	5
66	Atrial remodeling and metabolic dysfunction in idiopathic isolated fibrotic atrial cardiomyopathy. <i>International Journal of Cardiology</i> , 2018, 265, 155-161.	1.7	4
67	SR9009 improves heart function after pressure overload independent of cardiac REV-ERB. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .	2.4	1
68	High-throughput screening of chemopreventive compounds targeting Nrf2. , 2008, , .		0
69	Intergenerational Effects of Endocrine Disorder on Metabolism. <i>EBioMedicine</i> , 2017, 16, 18-19.	6.1	0
70	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. <i>Mediators of Inflammation</i> , 2022, 2022, 1-16.	3.0	0
71	Breast cancer susceptibility gene 1 regulates oxidative damage via nuclear factor erythroid 2-related factor 2 in oral cancer cells. <i>Archives of Oral Biology</i> , 2022, 139, 105447.	1.8	0