Li Zhang

List of Publications by Year
in descending order

85 papers	4,192 citations	125106 35 h-index	129628 63 g-index
93 all docs	93 docs citations	93 times ranked	5386 citing authors

#	Article	IF	Citations
1	Processed electroencephalography: impact of patient age and surgical position on intraoperative processed electroencephalogram monitoring of burst-suppression. Journal of Clinical Monitoring and Computing, 2022, 36, 1099-1107.	0.7	3
2	Heme Sequestration Effectively Suppresses the Development and Progression of Both Lung Adenocarcinoma and Squamous Cell Carcinoma. Molecular Cancer Research, 2022, 20, 139-149.	1.5	5
3	Feasibility and Acceptability of a Physical Activity Tracker and Text Messages to Promote Physical Activity During Chemotherapy for Colorectal Cancer: Pilot Randomized Controlled Trial (Smart Pace) Tj ETQq1 1 0.784314 rg BT /Overlo	0.9	6
4	An Analysis of the Neurological and Molecular Alterations Underlying the Pathogenesis of Alzheimerâ€™s Disease. Cells, 2021, 10, 546.	1.8	11
5	An Analysis of the Multifaceted Roles of Heme in the Pathogenesis of Cancer and Related Diseases. Cancers, 2021, 13, 4142.	1.7	10
6	Heme Sequestration as an Effective Strategy for the Suppression of Tumor Growth and Progression. Molecular Cancer Therapeutics, 2021, 20, 2506-2518.	1.9	6
7	Elucidating the regulatory mechanism of Swi1 prion in global transcription and stress responses. Scientific Reports, 2020, 10, 21838.	1.6	5
8	Mitochondria Targeting as an Effective Strategy for Cancer Therapy. International Journal of Molecular Sciences, 2020, 21, 3363.	1.8	131
9	Oxygen-Enhanced Optoacoustic Tomography Reveals the Effectiveness of Targeting Heme and Oxidative Phosphorylation at Normalizing Tumor Vascular Oxygenation. Cancer Research, 2020, 80, 3542-3555.	0.4	22
10	Heme, A Metabolic Sensor, Directly Regulates the Activity of the KDM4 Histone Demethylase Family and Their Interactions with Partner Proteins. Cells, 2020, 9, 773.	1.8	2
11	HEME AND LUNG CANCER. , 2020, , 187-202.		0
12	THE CHEMICAL AND STRUCTURAL BASES OF HEME RECOGNITION: BINDING INTERACTIONS OF HEME WITH PROTEINS AND PEPTIDES. , 2020, , 203-244.		0
13	HEME: AN INGENIOUS REGULATOR OF GENE TRANSCRIPTION. , 2020, , 55-79.		0
14	HEME BIOSYNTHESIS AND DEGRADATION: WHAT HAPPENS WHEN IT GOES HAYWIRE?. , 2020, , 7-31.		0
15	Elevated Heme Synthesis and Uptake Underpin Intensified Oxidative Metabolism and Tumorigenic Functions in Nonâ€“Small Cell Lung Cancer Cells. Cancer Research, 2019, 79, 2511-2525.	0.4	55
16	Self-monitoring and reminder text messages to increase physical activity in colorectal cancer survivors (Smart Pace): a pilot randomized controlled trial. BMC Cancer, 2019, 19, 218.	1.1	66
17	Amyloid Î² perturbs elevated heme flux induced with neuronal development. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2019, 5, 27-37.	1.8	8
18	Cyclopamine tartrate, a modulator of hedgehog signaling and mitochondrial respiration, effectively arrests lung tumor growth and progression. Scientific Reports, 2019, 9, 1405.	1.6	20

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19	Rock the nucleus: significantly enhanced nuclear membrane permeability and gene transfection by plasmonic nanobubble induced nanomechanical transduction. Chemical Communications, 2018, 54, 2479-2482.	2.2	19
20	Essential roles of mitochondrial and heme function in lung cancer bioenergetics and tumorigenesis. Cell and Bioscience, 2018, 8, 56.	2.1	31
21	Heme promotes transcriptional and demethylase activities of Gis1, a member of the histone demethylase JMJD2/KDM4 family. Nucleic Acids Research, 2018, 46, 215-228.	6.5	20
22	Experimental Methods for Studying Cellular Heme Signaling. Cells, 2018, 7, 47.	1.8	14
23	The vascular disrupting agent combretastatin A-4 phosphate causes prolonged elevation of proteins involved in heme flux and function in resistant tumor cells. Oncotarget, 2018, 9, 4090-4101.	0.8	26
24	The Bioenergetic Role of Mitochondria in Lung Cancer. , 2017, , .		3
25	Elevated Mitochondrial and Heme Function as Hallmarks for Non-Small Cell Lung Cancers. Journal of Molecular Biomarkers & Diagnosis, 2016, 07, .	0.4	0
26	The Swi3 protein plays a unique role in regulating respiration in eukaryotes. Bioscience Reports, 2016, 36, .	1.1	1
27	A holistic view of cancer bioenergetics: mitochondrial function and respiration play fundamental roles in the development and progression of diverse tumors. Clinical and Translational Medicine, 2016, 5, 3.	1.7	65
28	Cyclopamine tartrate, an inhibitor of Hedgehog signaling, strongly interferes with mitochondrial function and suppresses aerobic respiration in lung cancer cells. BMC Cancer, 2016, 16, 150.	1.1	49
29	Measurement of Heme Synthesis Levels in Mammalian Cells. Journal of Visualized Experiments, 2015, , e51579.	0.2	8
30	SCT Promoter Methylation Is a Highly Discriminative Biomarker for Lung and Many Other Cancers. IEEE Life Sciences Letters, 2015, 1, 30-33.	1.2	2
31	Heme, an Essential Nutrient from Dietary Proteins, Critically Impacts Diverse Physiological and Pathological Processes. Nutrients, 2014, 6, 1080-1102.	1.7	154
32	Comparative proteomic analysis reveals characteristic molecular changes accompanying the transformation of nonmalignant to cancer lung cells. EuPA Open Proteomics, 2014, 3, 1-12.	2.5	5
33	Sperm, but Not Oocyte, DNA Methylome Is Inherited by Zebrafish Early Embryos. Cell, 2013, 153, 773-784.	13.5	428
34	Enhanced Heme Function and Mitochondrial Respiration Promote the Progression of Lung Cancer Cells. PLoS ONE, 2013, 8, e63402.	1.1	92
35	The nuclear localization of SWI/SNF proteins is subjected to oxygen regulation. Cell and Bioscience, 2012, 2, 30.	2.1	48
36	Activation of notchâ€1 enhances epithelialâ€"mesenchymal transition in gefitinibâ€acquired resistant lung cancer cells. Journal of Cellular Biochemistry, 2012, 113, 1501-1513.	1.2	159

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37	Hypoxia elicits broad and systematic changes in protein subcellular localization. American Journal of Physiology - Cell Physiology, 2011, 301, C913-C928.	2.1	21
38	THE CHEMICAL AND STRUCTURAL BASES OF HEME RECOGNITION: Binding Interactions of Heme with Proteins and Peptides. , 2011, , 161-196.		1
39	Deletion of a subgroup of ribosome-related genes minimizes hypoxia-induced changes and confers hypoxia tolerance. Physiological Genomics, 2011, 43, 855-872.	1.0	13
40	HEME BIOSYNTHESIS AND DEGRADATION: What Happens when it goes Haywire?. , 2011, , 7-31.		1
41	HEME: An Ingenious Regulator of Gene Transcription. , 2011, , 33-54.		1
42	THE VAST POTENTIAL OF HEME IN REGULATING BIOLOGICAL PROCESSES: A Global Perspective. , 2011, , 139-159.		7
43	Heme controls the regulation of protein tyrosine kinases Jak2 and Src. Biochemical and Biophysical Research Communications, 2010, 403, 30-35.	1.0	42
44	A Unique Mechanism of Chaperone Action: Heme Regulation of Hap1 Activity Involves Separate Control of Repression and Activation. Protein and Peptide Letters, 2009, 16, 642-649.	0.4	9
45	A Predictive Model of the Oxygen and Heme Regulatory Network in Yeast. PLoS Computational Biology, 2008, 4, e1000224.	1.5	40
46	Unique Insights into the Actions of CNS Agents: Lessons from Studies of Chlorpyrifos and Other Common Pesticides. Central Nervous System Agents in Medicinal Chemistry, 2007, 7, 183-199.	0.5	6
47	Regulation of the HAP1 gene involves positive actions of histone deacetylases. Biochemical and Biophysical Research Communications, 2007, 362, 120-125.	1.0	13
48	Gene expression profiling of human primary astrocytes exposed to manganese chloride indicates selective effects on several functions of the cells. NeuroToxicology, 2007, 28, 478-489.	1.4	37
49	Learning Regulatory Programs That Accurately Predict Differential Expression with MEDUSA. Annals of the New York Academy of Sciences, 2007, 1115, 178-202.	1.8	13
50	Gene expression profiling reveals the profound upregulation of hypoxia-responsive genes in primary human astrocytes. Physiological Genomics, 2006, 25, 435-449.	1.0	115
51	Heme: a versatile signaling molecule controlling the activities of diverse regulators ranging from transcription factors to MAP kinases. Cell Research, 2006, 16, 681-692.	5.7	244
52	The Common Insecticides Cyfluthrin and Chlorpyrifos Alter the Expression of a Subset of Genes with Diverse Functions in Primary Human Astrocytes. Toxicological Sciences, 2006, 93, 125-135.	1.4	90
53	The Heme Activator Protein Hap1 Represses Transcription by a Heme-Independent Mechanism in Saccharomyces cerevisiae. Genetics, 2005, 169, 1343-1352.	1.2	37
54	Heme deficiency suppresses the expression of key neuronal genes and causes neuronal cell death. Molecular Brain Research, 2005, 137, 23-30.	2.5	33

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55	A Novel Mode of Chaperone Action. Journal of Biological Chemistry, 2004, 279, 27607-27612.	1.6	43
56	Heme controls the expression of cell cycle regulators and cell growth in HeLa cells. Biochemical and Biophysical Research Communications, 2004, 315, 546-554.	1.0	41
57	Heme deficiency causes apoptosis but does not increase ROS generation in HeLa cells. Biochemical and Biophysical Research Communications, 2004, 319, 1065-1071.	1.0	31
58	A Mechanism of Oxygen Sensing in Yeast. Journal of Biological Chemistry, 2003, 278, 50771-50780.	1.6	71
59	Structural Environment Dictates the Biological Significance of Heme-Responsive Motifs and the Role of Hsp90 in the Activation of the Heme Activator Protein Hap1. Molecular and Cellular Biology, 2003, 23, 5857-5866.	1.1	35
60	An Examination of Heme Action in Gene Expression: Heme and Heme Deficiency Affect the Expression of Diverse Genes in Erythroid K562 and Neuronal PC12 Cells. DNA and Cell Biology, 2002, 21, 333-346.	0.9	29
61	The Molecular Chaperone Hsp90 Mediates Heme Activation of the Yeast Transcriptional Activator Hap1. Journal of Biological Chemistry, 2002, 277, 7430-7437.	1.6	32
62	Heme deficiency interferes with the Ras-mitogen-activated protein kinase signaling pathway and expression of a subset of neuronal genes. Cell Growth & Differentiation: the Molecular Biology Journal of the American Association for Cancer Research, 2002, 13, 431-9.	0.8	29
63	The Hsp70-Ydj1 Molecular Chaperone Represses the Activity of the Heme Activator Protein Hap1 in the Absence of Heme. Molecular and Cellular Biology, 2001, 21, 7923-7932.	1.1	50
64	The Coiled Coil Dimerization Element of the Yeast Transcriptional Activator Hap1, a Gal4 Family Member, Is Dispensable for DNA Binding but Differentially Affects Transcriptional Activation. Journal of Biological Chemistry, 2000, 275, 248-254.	1.6	13
65	Functional Analysis of Heme Regulatory Elements of the Transcriptional Activator Hap1. Biochemical and Biophysical Research Communications, 2000, 273, 584-591.	1.0	52
66	The Yeast Heme-responsive Transcriptional Activator Hap1 Is a Preexisting Dimer in the Absence of Heme. Journal of Biological Chemistry, 1999, 274, 22770-22774.	1.6	29
67	Structure of HAP1-18-DNA implicates direct allosteric effect of protein-DNA interactions on transcriptional activation. Nature Structural Biology, 1999, 6, 22-27.	9.7	26
68	Structure of a HAP1-DNA complex reveals dramatically asymmetric DNA binding by a homodimeric protein. Nature Structural Biology, 1999, 6, 64-71.	9.7	81
69	Molecular mechanism of heme signaling in yeast: the transcriptional activator Hap1 serves as the key mediator. Cellular and Molecular Life Sciences, 1999, 56, 415-426.	2.4	177
70	Heme Initiates Changes in the Expression of a Wide Array of Genes during the Early Erythroid Differentiation Stage. Biochemical and Biophysical Research Communications, 1999, 258, 87-93.	1.0	29
71	A New Class of Repression Modules Is Critical for Heme Regulation of the Yeast Transcriptional Activator Hap1. Molecular and Cellular Biology, 1999, 19, 4324-4333.	1.1	37
72	Molecular Mechanism Governing Heme Signaling in Yeast: a Higher-Order Complex Mediates Heme Regulation of the Transcriptional Activator HAP1. Molecular and Cellular Biology, 1998, 18, 3819-3828.	1.1	106

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73	The C6 zinc cluster dictates asymmetric binding by HAP1.. EMBO Journal, 1996, 15, 4676-4681.	3.5	41
74	The C6 zinc cluster dictates asymmetric binding by HAP1. EMBO Journal, 1996, 15, 4676-81.	3.5	12
75	Heme binds to a short sequence that serves a regulatory function in diverse proteins.. EMBO Journal, 1995, 14, 313-320.	3.5	254
76	Heme binds to a short sequence that serves a regulatory function in diverse proteins. EMBO Journal, 1995, 14, 313-20.	3.5	118
77	The yeast activator HAP1--a GAL4 family member--binds DNA in a directly repeated orientation.. Genes and Development, 1994, 8, 2110-2119.	2.7	90
78	HAP1 is nuclear but is bound to a cellular factor in the absence of heme.. Journal of Biological Chemistry, 1994, 269, 14643-14647.	1.6	57
79	Evidence that TUP1/SSN6 has a positive effect on the activity of the yeast activator HAP1.. Genetics, 1994, 136, 813-817.	1.2	43
80	HAP1 is nuclear but is bound to a cellular factor in the absence of heme. Journal of Biological Chemistry, 1994, 269, 14643-7.	1.6	39
81	Antibody-promoted dimerization bypasses the regulation of DNA binding by the heme domain of the yeast transcriptional activator HAP1.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 2851-2855.	3.3	50
82	In situnucleoprotein structure involving origin-proximal SV40 DNA control elements. Nucleic Acids Research, 1990, 18, 1797-1803.	6.5	28
83	In situ nucleoprotein structure at the SV40 major late promoter: melted and wrapped DNA flank the start site.. Genes and Development, 1989, 3, 1814-1822.	2.7	59
84	Micrococcal nuclease as a probe for bound and distorted DNA in lac transcription and repression complexes. Nucleic Acids Research, 1989, 17, 5017-5028.	6.5	20
85	DNA supercoiling promotes formation of a bent repression loop in lac DNA. Journal of Molecular Biology, 1987, 196, 101-111.	2.0	265