

# Chenggang Zhang

## List of Publications by Year in descending order

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89  
papers

2,685  
citations

186265  
28  
h-index

206112  
48  
g-index

89  
all docs

89  
docs citations

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times ranked

4112  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pulsed High-Peak Power Microwaves at 9.4 GHz Do Not Affect Basic Endpoints in <i>Caenorhabditis elegans</i> . <i>Bioelectromagnetics</i> , 2022, 43, 5-13.	1.6	0
2	Intraoperative Vitamin C Reduces the Dosage of Propofol in Patients Undergoing Total Knee Replacement. <i>Journal of Pain Research</i> , 2021, Volume 14, 2201-2208.	2.0	3
3	Hydrogen extends <i>Caenorhabditis elegans</i> longevity by reducing reactive oxygen species. <i>PLoS ONE</i> , 2020, 15, e0231972.	2.5	8
4	A Novel 7-Days Prolonged Dietary Deprivation Regimen Improves ALT and UA After 6 Months Refeeding, Indicating Therapeutic Potential. <i>Frontiers in Nutrition</i> , 2020, 7, 50.	3.7	1
5	MFEprimer-3.0: quality control for PCR primers. <i>Nucleic Acids Research</i> , 2019, 47, W610-W613.	14.5	57
6	Research progress of gut flora in improving human wellness. <i>Food Science and Human Wellness</i> , 2019, 8, 102-105.	4.9	19
7	Biometric recognition via texture features of eye movement trajectories in a visual searching task. <i>PLoS ONE</i> , 2018, 13, e0194475.	2.5	17
8	The association between inflammation, the microbiome and urethane-induced pulmonary adenocarcinoma. <i>Oncology Letters</i> , 2018, 15, 6352-6360.	1.8	10
9	Evaluation of a novel fasting approach using plant polysaccharides per meal in human symbionts. <i>Integrative Clinical Medicine</i> , 2018, 2, .	0.1	1
10	Effects of the long-term consumption of hydrogen-rich water on the antioxidant activity and the gut flora in female juvenile soccer players from Suzhou, China. <i>Medical Gas Research</i> , 2018, 8, 135.	2.3	24
11	A crucial temporal accuracy test of combining EEG and Tobii eye tracker. <i>Medicine (United States)</i> , 2017, 96, e6444.	1.0	14
12	Uncovering the cognitive processes underlying mental rotation: an eye-movement study. <i>Scientific Reports</i> , 2017, 7, 10076.	3.3	32
13	Competitive Growth Enhances Conditional Growth Mutant Sensitivity to Antibiotics and Exposes a Two-Component System as an Emerging Antibacterial Target in <i>Burkholderia cenocepacia</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	3.2	17
14	3DSNP: a database for linking human noncoding SNPs to their three-dimensional interacting genes. <i>Nucleic Acids Research</i> , 2017, 45, D643-D649.	14.5	90
15	Effects of berberine on a rat model of chronic stress and depression via gastrointestinal tract pathology and gastrointestinal flora profile assays. <i>Molecular Medicine Reports</i> , 2017, 15, 3161-3171.	2.4	25
16	Alteration of oxidative stress and inflammatory cytokines induces apoptosis in diabetic nephropathy. <i>Molecular Medicine Reports</i> , 2017, 16, 7715-7723.	2.4	44
17	Mirror-normal difference in the late phase of mental rotation: An ERP study. <i>PLoS ONE</i> , 2017, 12, e0184963.	2.5	6
18	Defining the multivalent functions of CTCF from chromatin state and three-dimensional chromatin interactions. <i>Nucleic Acids Research</i> , 2016, 44, 6200-6212.	14.5	19

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19	The 'selfish brain' is regulated by aquaporins and autophagy under nutrient deprivation. <i>Molecular Medicine Reports</i> , 2016, 13, 3842-3848.	2.4	10
20	High yields and soluble expression of superoxide dismutases in <i>Escherichia coli</i> due to the HIV-1 Tat peptide via increases in mRNA transcription. <i>Experimental and Molecular Medicine</i> , 2016, 48, e264-e264.	7.7	4
21	Molecular Subtyping of Serous Ovarian Cancer Based on Multi-omics Data. <i>Scientific Reports</i> , 2016, 6, 26001.	3.3	42
22	Antibacterial activity identification of pCM19 and pCM12 derived from hGlyrichin. <i>SpringerPlus</i> , 2016, 5, 1382.	1.2	1
23	A MeSH-based text mining method for identifying novel prebiotics. <i>Medicine (United States)</i> , 2016, 95, e5585.	1.0	6
24	Intrathecal decompression versus epidural decompression in the treatment of severe spinal cord injury in rat model: a randomized, controlled preclinical research. <i>Journal of Orthopaedic Surgery and Research</i> , 2016, 11, 34.	2.3	23
25	<i>Pichia pastoris</i> Production of Tat-NGF and Its Neuroprotection on Rat Pheochromocytoma Cells. <i>Molecular Biotechnology</i> , 2016, 58, 22-29.	2.4	5
26	CBLB502, an agonist of Toll-like receptor 5, has antioxidant and scavenging free radicals activities in vitro. <i>International Journal of Biological Macromolecules</i> , 2016, 82, 97-103.	7.5	22
27	A Genome-Wide mRNA Expression Profile in <i>Caenorhabditis elegans</i> under Prolonged Exposure to 1750MHz Radiofrequency Fields. <i>PLoS ONE</i> , 2016, 11, e0147273.	2.5	7
28	CBLB502 administration protects gut mucosal tissue in ulcerative colitis by inhibiting inflammation. <i>Annals of Translational Medicine</i> , 2016, 4, 301-301.	1.7	14
29	Downregulation of nitric oxide by electroacupuncture against hypoxic-ischemic brain damage in rats via nuclear factor- $\kappa$ B/neuronal nitric oxide synthase. <i>Molecular Medicine Reports</i> , 2015, 11, 837-842.	2.4	8
30	Limb remote ischemic pre-conditioning in combination with post-conditioning reduces brain damage and promotes neuroglobin expression in the rat brain after ischemic stroke. <i>Restorative Neurology and Neuroscience</i> , 2015, 33, 369-379.	0.7	55
31	Selecting Specific PCR Primers with MFEprimer. <i>Methods in Molecular Biology</i> , 2015, 1275, 201-213.	0.9	20
32	Effects of fetal microwave radiation exposure on offspring behavior in mice. <i>Journal of Radiation Research</i> , 2015, 56, 261-268.	1.6	39
33	DELTA: A Distal Enhancer Locating Tool Based on AdaBoost Algorithm and Shape Features of Chromatin Modifications. <i>PLoS ONE</i> , 2015, 10, e0130622.	2.5	57
34	Neuroprotection of Up-Regulated Carbon Monoxide by Electrical Acupuncture on Perinatal Hypoxic Ischemic Brain Damage in Rats. <i>Neurochemical Research</i> , 2014, 39, 1724-1732.	3.3	16
35	Modelling epigenetic regulation of gene expression in 12 human cell types reveals combinatorial patterns of cell-type-specific genes. <i>IET Systems Biology</i> , 2014, 8, 104-115.	1.5	3
36	Genome-wide computational identification of bicistronic mRNA in humans. <i>Amino Acids</i> , 2013, 44, 597-606.	2.7	2

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37	GLBâ€13 is associated with oxidative stress resistance in <i>Caenorhabditis elegans</i> . <i>IUBMB Life</i> , 2013, 65, 423-434.	3.4	12
38	Dynamic Expression Pattern of Neuro-oncological Ventral Antigen 1 (Nova1) in the Rat Brain after Focal Cerebral Ischemia/Reperfusion Insults. <i>Journal of Histochemistry and Cytochemistry</i> , 2013, 61, 45-54.	2.5	9
39	Tat Peptide-Mediated Soluble Expression of the Membrane Protein LSECtin-CRD in <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2013, 8, e83579.	2.5	5
40	MFEprimer-2.0: a fast thermodynamics-based program for checking PCR primer specificity. <i>Nucleic Acids Research</i> , 2012, 40, W205-W208.	14.5	80
41	Lyophilization is suitable for storage and shipment of fresh tissue samples without altering RNA and protein levels stored at room temperature. <i>Amino Acids</i> , 2012, 43, 1383-1388.	2.7	17
42	Bidirectional Crosstalk between Stress-Induced Gastric Ulcer and Depression under Chronic Stress. <i>PLoS ONE</i> , 2012, 7, e51148.	2.5	30
43	<i>In Vitro</i> Kinetic Evaluation of the Free Radical Scavenging Ability of Propofol. <i>Anesthesiology</i> , 2012, 116, 1258-1266.	2.5	26
44	Neuroprotective effects of neuroglobin after mechanical injury. <i>Neurological Sciences</i> , 2012, 33, 551-558.	1.9	16
45	Glyceraldehyde-3-phosphate dehydrogenase: A universal internal control for Western blots in prokaryotic and eukaryotic cells. <i>Analytical Biochemistry</i> , 2012, 423, 15-22.	2.4	48
46	Working memory task decreases the survival of newly born neurons in hippocampus. <i>Neurobiology of Learning and Memory</i> , 2011, 95, 239-247.	1.9	10
47	Chronic corticosterone administration from adolescence through early adulthood attenuates depression-like behaviors in mice. <i>Journal of Affective Disorders</i> , 2011, 131, 128-135.	4.1	26
48	VizPrimer: a web server for visualized PCR primer design based on known gene structure. <i>Bioinformatics</i> , 2011, 27, 3432-3434.	4.1	8
49	Sodium sulfite is a potential hypoxia inducer that mimics hypoxic stress in <i>Caenorhabditis elegans</i> . <i>Journal of Biological Inorganic Chemistry</i> , 2011, 16, 267-274.	2.6	38
50	Reliability analysis of the Ahringer <i>Caenorhabditis elegans</i> RNAi feeding library: a guide for genome-wide screens. <i>BMC Genomics</i> , 2011, 12, 170.	2.8	19
51	The activity of recombinant human neuroglobin as an antioxidant and free radical scavenger. <i>Proteins: Structure, Function and Bioinformatics</i> , 2011, 79, 115-125.	2.6	50
52	Different Expression Patterns of Ngb and EPOR in the Cerebral Cortex and Hippocampus Revealed Distinctive Therapeutic Effects of Intranasal Delivery of Neuro-EPO for Ischemic Insults to the Gerbil Brain. <i>Journal of Histochemistry and Cytochemistry</i> , 2011, 59, 214-227.	2.5	28
53	A Lasso regression model for the construction of microRNA-target regulatory networks. <i>Bioinformatics</i> , 2011, 27, 2406-2413.	4.1	110
54	MPprimer: a program for reliable multiplex PCR primer design. <i>BMC Bioinformatics</i> , 2010, 11, 143.	2.6	129

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55	A novel method for promoting heterologous protein expression in Escherichia coli by fusion with the HIV-1 TAT core domain. <i>Amino Acids</i> , 2010, 39, 811-820.	2.7	14
56	Proteomic Studies on the Development of the Central Nervous System and Beyond. <i>Neurochemical Research</i> , 2010, 35, 1487-1500.	3.3	10
57	A proteomic view of Caenorhabditis elegans caused by short-term hypoxic stress. <i>Proteome Science</i> , 2010, 8, 49.	1.7	11
58	Histochemical Mapping of hnRNP A2/B1 in Rat Brain After Ischemiaâ€“Reperfusion Insults. <i>Journal of Histochemistry and Cytochemistry</i> , 2010, 58, 695-705.	2.5	8
59	Improvement of Multiplex PCR Efficiency by Using The MPprimer to Design Primers and Optimizing The Amplification Conditions*. <i>Progress in Biochemistry and Biophysics</i> , 2010, 37, 342-346.	0.3	1
60	MFEprimer: multiple factor evaluation of the specificity of PCR primers. <i>Bioinformatics</i> , 2009, 25, 276-278.	4.1	62
61	REMAS: a new regression model to identify alternative splicing events from exon array data. <i>BMC Bioinformatics</i> , 2009, 10, S18.	2.6	4
62	Transcription and splicing regulation in human umbilical vein endothelial cells under hypoxic stress conditions by exon array. <i>BMC Genomics</i> , 2009, 10, 126.	2.8	47
63	Effects of neuroglobin overexpression on mitochondrial function and oxidative stress following hypoxia/reoxygenation in cultured neurons. <i>Journal of Neuroscience Research</i> , 2009, 87, 164-170.	2.9	114
64	Antidepressive behaviors induced by enriched environment might be modulated by glucocorticoid levels. <i>European Neuropsychopharmacology</i> , 2009, 19, 868-875.	0.7	26
65	Gene Regulation by Transcription Factors and Splicing Factors Coupled With microRNAs in Animals*. <i>Progress in Biochemistry and Biophysics</i> , 2009, 2009, 151-156.	0.3	0
66	Effects of Neuroglobin Overexpression on Acute Brain Injury and Long-Term Outcomes After Focal Cerebral Ischemia. <i>Stroke</i> , 2008, 39, 1869-1874.	2.0	131
67	Effects of enriched environment on morphine-induced reward in mice. <i>Experimental Neurology</i> , 2007, 204, 714-719.	4.1	56
68	Characterization of the receptors for axon guidance factor netrin-4 and identification of the binding domains. <i>Molecular and Cellular Neurosciences</i> , 2007, 34, 243-250.	2.2	32
69	Theophylline attenuates microwave-induced impairment of memory acquisition. <i>Neuroscience Letters</i> , 2007, 412, 129-133.	2.1	4
70	Protective Effects of Inosine on Mice Subjected to Lethal Total-body Ionizing Irradiation. <i>Journal of Radiation Research</i> , 2007, 48, 57-62.	1.6	19
71	The Effects of Gut Commensal Bacteria Depletion on Mice Exposed to Acute Lethal Irradiation. <i>Journal of Radiation Research</i> , 2007, 48, 347-350.	1.6	5
72	HUPO BPP pilot study: A proteomics analysis of the mouse brain of different developmental stages. <i>Proteomics</i> , 2007, 7, 4008-4015.	2.2	18

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73	HUPO Brain Proteome Project: Summary of the pilot phase and introduction of a comprehensive data reprocessing strategy. <i>Proteomics</i> , 2006, 6, 4890-4898.	2.2	47
74	Increased neuroglobin levels in the cerebral cortex and serum after ischemiaâ€“reperfusion insults. <i>Brain Research</i> , 2006, 1078, 219-226.	2.2	60
75	Presence of neuroglobin in cultured astrocytes. <i>Glia</i> , 2005, 50, 182-186.	4.9	50
76	Finding Keywords for Intergenic and Gene Regions for Human Genome. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005, 24, 191-198.	1.1	0
77	SVM classification of human intergenic and gene sequences. <i>Mathematical Biosciences</i> , 2005, 195, 168-178.	1.9	5
78	Prokaryotic expression, polyclonal antibody preparation, and sub-cellular localization analysis of Na <sup>+</sup> , K <sup>+</sup> -ATPase $\beta$ 2 subunit. <i>Protein Expression and Purification</i> , 2004, 37, 47-52.	1.3	3
79	Identification of a novel alternative splicing form of human netrin-4 and analyzing the expression patterns in adult rat brain. <i>Molecular Brain Research</i> , 2004, 130, 68-80.	2.3	19
80	Characterization of Ceap-11 and Ceap-16, Two Novel Splicingâ€“Variantâ€“Proteins, Associated with Centrosome, Microtubule Aggregation and Cell Proliferation. <i>Journal of Molecular Biology</i> , 2004, 343, 71-82.	4.2	16
81	Intracrine hepatopoietin potentiates APâ€“1 activity through JAB1 independent of MAPK pathway. <i>FASEB Journal</i> , 2002, 16, 1-18.	0.5	58
82	Full-Length cDNA Cloning of Human Neuroglobin and Tissue Expression of Rat Neuroglobin. <i>Biochemical and Biophysical Research Communications</i> , 2002, 290, 1411-1419.	2.1	74
83	Characterization and expression of three novel differentiation-related genes belong to the human NDRG gene family. <i>Molecular and Cellular Biochemistry</i> , 2002, 229, 35-44.	3.1	221
84	Characterization and tissue expression of a novel human gene npdc1. <i>Gene</i> , 2001, 264, 37-44.	2.2	15
85	Functional characterization of novel human ARFGAP3. <i>FEBS Letters</i> , 2001, 490, 79-83.	2.8	32
86	Stimulation of the Mitogen-activated Protein Kinase Cascade and Tyrosine Phosphorylation of the Epidermal Growth Factor Receptor by Hepatopoietin. <i>Journal of Biological Chemistry</i> , 2000, 275, 37443-37447.	3.4	62
87	Characterization, Chromosomal Assignment, and Tissue Expression of a Novel Human Gene Belonging to the ARF GAP Family. <i>Genomics</i> , 2000, 63, 400-408.	2.9	21
88	Identification and Characterization of Receptor for Mammalian Hepatopoietin That Is Homologous to Yeast ERV1. <i>Journal of Biological Chemistry</i> , 1999, 274, 11469-11472.	3.4	58
89	Developmental study on the immunocytochemical localization of NOV protein-containing neurons in the rat brain. <i>Science Bulletin</i> , 1999, 44, 1397-1401.	1.7	0