

Chenggang Zhang

List of Publications by Year in descending order

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papers

2,685
citations

186265
28
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206112
48
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89
all docs

89
docs citations

89
times ranked

4112
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | MPprimer: a program for reliable multiplex PCR primer design. <i>BMC Bioinformatics</i> , 2010, 11, 143. | 2.6 | 129 |
| 4 | 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 |
| 5 | A Lasso regression model for the construction of microRNA-target regulatory networks. <i>Bioinformatics</i> , 2011, 27, 2406-2413. | 4.1 | 110 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | MFEprimer: multiple factor evaluation of the specificity of PCR primers. <i>Bioinformatics</i> , 2009, 25, 276-278. | 4.1 | 62 |
| 11 | Increased neuroglobin levels in the cerebral cortex and serum after ischemia-reperfusion insults. <i>Brain Research</i> , 2006, 1078, 219-226. | 2.2 | 60 |
| 12 | 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 |
| 13 | Intracrine hepatopoietin potentiates AP-1 activity through JAB1 independent of MAPK pathway. <i>FASEB Journal</i> , 2002, 16, 1-18. | 0.5 | 58 |
| 14 | MFEprimer-3.0: quality control for PCR primers. <i>Nucleic Acids Research</i> , 2019, 47, W610-W613. | 14.5 | 57 |
| 15 | 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 |
| 16 | Effects of enriched environment on morphine-induced reward in mice. <i>Experimental Neurology</i> , 2007, 204, 714-719. | 4.1 | 56 |
| 17 | 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 |
| 18 | Presence of neuroglobin in cultured astrocytes. <i>Glia</i> , 2005, 50, 182-186. | 4.9 | 50 |

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|----|---|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | Alteration of oxidative stress and inflammatory cytokines induces apoptosis in diabetic nephropathy. <i>Molecular Medicine Reports</i> , 2017, 16, 7715-7723. | 2.4 | 44 |
| 24 | Molecular Subtyping of Serous Ovarian Cancer Based on Multi-omics Data. <i>Scientific Reports</i> , 2016, 6, 26001. | 3.3 | 42 |
| 25 | Effects of fetal microwave radiation exposure on offspring behavior in mice. <i>Journal of Radiation Research</i> , 2015, 56, 261-268. | 1.6 | 39 |
| 26 | 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 |
| 27 | Functional characterization of novel human ARFGAP3. <i>FEBS Letters</i> , 2001, 490, 79-83. | 2.8 | 32 |
| 28 | 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 |
| 29 | Uncovering the cognitive processes underlying mental rotation: an eye-movement study. <i>Scientific Reports</i> , 2017, 7, 10076. | 3.3 | 32 |
| 30 | Bidirectional Crosstalk between Stress-Induced Gastric Ulcer and Depression under Chronic Stress. <i>PLoS ONE</i> , 2012, 7, e51148. | 2.5 | 30 |
| 31 | 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 |
| 32 | Antidepressive behaviors induced by enriched environment might be modulated by glucocorticoid levels. <i>European Neuropsychopharmacology</i> , 2009, 19, 868-875. | 0.7 | 26 |
| 33 | 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 |
| 34 | <i>In Vitro</i> Kinetic Evaluation of the Free Radical Scavenging Ability of Propofol. <i>Anesthesiology</i> , 2012, 116, 1258-1266. | 2.5 | 26 |
| 35 | 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 |
| 36 | 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 |

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|----|---|------|-----------|
| 37 | 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 |
| 38 | 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 |
| 39 | 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 |
| 40 | Selecting Specific PCR Primers with MFEprimer. <i>Methods in Molecular Biology</i> , 2015, 1275, 201-213. | 0.9 | 20 |
| 41 | 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 |
| 42 | 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 |
| 43 | 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 |
| 44 | 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 |
| 45 | Research progress of gut flora in improving human wellness. <i>Food Science and Human Wellness</i> , 2019, 8, 102-105. | 4.9 | 19 |
| 46 | 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 |
| 47 | 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 |
| 48 | 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 |
| 49 | Biometric recognition via texture features of eye movement trajectories in a visual searching task. <i>PLoS ONE</i> , 2018, 13, e0194475. | 2.5 | 17 |
| 50 | 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 |
| 51 | Neuroprotective effects of neuroglobin after mechanical injury. <i>Neurological Sciences</i> , 2012, 33, 551-558. | 1.9 | 16 |
| 52 | Neuroprotection of Up-Regulated Carbon Monoxide by Electrical Acupuncture on Perinatal Hypoxicâ€“Ischemic Brain Damage in Rats. <i>Neurochemical Research</i> , 2014, 39, 1724-1732. | 3.3 | 16 |
| 53 | Characterization and tissue expression of a novel human gene npdc1. <i>Gene</i> , 2001, 264, 37-44. | 2.2 | 15 |
| 54 | A novel method for promoting heterologous protein expression in <i>Escherichia coli</i> by fusion with the HIV-1 TAT core domain. <i>Amino Acids</i> , 2010, 39, 811-820. | 2.7 | 14 |

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|----|---|-----|-----------|
| 55 | A crucial temporal accuracy test of combining EEG and Tobii eye tracker. <i>Medicine (United States)</i> , 2017, 96, e6444. | 1.0 | 14 |
| 56 | 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 |
| 57 | GLBâ€13 is associated with oxidative stress resistance in <i>Caenorhabditis elegans</i> . <i>IUBMB Life</i> , 2013, 65, 423-434. | 3.4 | 12 |
| 58 | A proteomic view of <i>Caenorhabditis elegans</i> caused by short-term hypoxic stress. <i>Proteome Science</i> , 2010, 8, 49. | 1.7 | 11 |
| 59 | Proteomic Studies on the Development of the Central Nervous System and Beyond. <i>Neurochemical Research</i> , 2010, 35, 1487-1500. | 3.3 | 10 |
| 60 | 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 |
| 61 | The 'selfish brain' is regulated by aquaporins and autophagy under nutrient deprivation. <i>Molecular Medicine Reports</i> , 2016, 13, 3842-3848. | 2.4 | 10 |
| 62 | The association between inflammation, the microbiome and urethane-induced pulmonary adenocarcinoma. <i>Oncology Letters</i> , 2018, 15, 6352-6360. | 1.8 | 10 |
| 63 | 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 |
| 64 | 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 |
| 65 | VizPrimer: a web server for visualized PCR primer design based on known gene structure. <i>Bioinformatics</i> , 2011, 27, 3432-3434. | 4.1 | 8 |
| 66 | Downregulation of nitric oxide by electroacupuncture against hypoxic-ischemic brain damage in rats via nuclear factor-Î²/neuronal nitric oxide synthase. <i>Molecular Medicine Reports</i> , 2015, 11, 837-842. | 2.4 | 8 |
| 67 | Hydrogen extends <i>Caenorhabditis elegans</i> longevity by reducing reactive oxygen species. <i>PLoS ONE</i> , 2020, 15, e0231972. | 2.5 | 8 |
| 68 | 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 |
| 69 | A MeSH-based text mining method for identifying novel prebiotics. <i>Medicine (United States)</i> , 2016, 95, e5585. | 1.0 | 6 |
| 70 | Mirror-normal difference in the late phase of mental rotation: An ERP study. <i>PLoS ONE</i> , 2017, 12, e0184963. | 2.5 | 6 |
| 71 | SVM classification of human intergenic and gene sequences. <i>Mathematical Biosciences</i> , 2005, 195, 168-178. | 1.9 | 5 |
| 72 | 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 |

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|----|--|-----|-----------|
| 73 | Tat Peptide-Mediated Soluble Expression of the Membrane Protein LSECtin-CRD in Escherichia coli. PLoS ONE, 2013, 8, e83579. | 2.5 | 5 |
| 74 | Pichia pastoris Production of Tat-NGB and Its Neuroprotection on Rat Pheochromocytoma Cells. Molecular Biotechnology, 2016, 58, 22-29. | 2.4 | 5 |
| 75 | Theophylline attenuates microwave-induced impairment of memory acquisition. Neuroscience Letters, 2007, 412, 129-133. | 2.1 | 4 |
| 76 | REMAS: a new regression model to identify alternative splicing events from exon array data. BMC Bioinformatics, 2009, 10, S18. | 2.6 | 4 |
| 77 | High yields and soluble expression of superoxide dismutases in Escherichia coli due to the HIV-1 Tat peptide via increases in mRNA transcription. Experimental and Molecular Medicine, 2016, 48, e264-e264. | 7.7 | 4 |
| 78 | Prokaryotic expression, polyclonal antibody preparation, and sub-cellular localization analysis of Na ⁺ , K ⁺ -ATPase β 2 subunit. Protein Expression and Purification, 2004, 37, 47-52. | 1.3 | 3 |
| 79 | Modelling epigenetic regulation of gene expression in 12 human cell types reveals combinatorial patterns of cell-type-specific genes. IET Systems Biology, 2014, 8, 104-115. | 1.5 | 3 |
| 80 | Intraoperative Vitamin C Reduces the Dosage of Propofol in Patients Undergoing Total Knee Replacement. Journal of Pain Research, 2021, Volume 14, 2201-2208. | 2.0 | 3 |
| 81 | Genome-wide computational identification of bicistronic mRNA in humans. Amino Acids, 2013, 44, 597-606. | 2.7 | 2 |
| 82 | Antibacterial activity identification of pCM19 and pCM12 derived from hGlyrichin. SpringerPlus, 2016, 5, 1382. | 1.2 | 1 |
| 83 | Evaluation of a novel fasting approach using plant polysaccharides per meal in human symbionts. Integrative Clinical Medicine, 2018, 2, . | 0.1 | 1 |
| 84 | Improvement of Multiplex PCR Efficiency by Using The MPprimer to Design Primers and Optimizing The Amplification Conditions*. Progress in Biochemistry and Biophysics, 2010, 37, 342-346. | 0.3 | 1 |
| 85 | A Novel 7-Days Prolonged Dietary Deprivation Regimen Improves ALT and UA After 3-6 Months Refeeding, Indicating Therapeutic Potential. Frontiers in Nutrition, 2020, 7, 50. | 3.7 | 1 |
| 86 | Developmental study on the immunocytochemical localization of NOV protein-containing neurons in the rat brain. Science Bulletin, 1999, 44, 1397-1401. | 1.7 | 0 |
| 87 | Finding Keywords for Intergenic and Gene Regions for Human Genome. Nucleosides, Nucleotides and Nucleic Acids, 2005, 24, 191-198. | 1.1 | 0 |
| 88 | Gene Regulation by Transcription Factors and Splicing Factors Coupled With microRNAs in Animals*. Progress in Biochemistry and Biophysics, 2009, 2009, 151-156. | 0.3 | 0 |
| 89 | Pulsed High-Peak Power Microwaves at 9.4 GHz Do Not Affect Basic Endpoints in <i>Caenorhabditis elegans</i> . Bioelectromagnetics, 2022, 43, 5-13. | 1.6 | 0 |