Ke Jian Liu

List of Publications by Year
in descending order

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151 papers	7,243 citations	44069 48 h-index	66911 78 g-index
155 all docs	155 docs citations	155 times ranked	7973 citing authors

#	Article	IF	Citations
1	Normobaric hyperoxia plays a neuroprotective role after cerebral ischemia by maintaining the redox homeostasis and the level of connexin43 in astrocytes. CNS Neuroscience and Therapeutics, 2022, 28, 1509-1518.	3.9	5
2	Modulation of PARP activity by Monomethylarsonous (MMA+3) acid and uranium in mouse thymus. Toxicology and Applied Pharmacology, 2021, 411, 115362.	2.8	4
3	Uranium directly interacts with the DNA repair protein poly (ADP-ribose) polymerase 1. Toxicology and Applied Pharmacology, 2021, 410, 115360.	2.8	4
4	MMP-2/9-cleaved occludin promotes endothelia cell death in ischemic stroke. Brain Hemorrhages, 2021, 2, 63-70.	1.0	2
5	Particulate Hexavalent Chromium Inhibits E2F1 Leading to Reduced RAD51 Nuclear Foci Formation in Human Lung Cells. Toxicological Sciences, 2021, 181, 35-46.	3.1	8
6	Arsenic co-carcinogenesis: Inhibition of DNA repair and interaction with zinc finger proteins. Seminars in Cancer Biology, 2021, 76, 86-98.	9.6	32
7	Endogenous zinc protoporphyrin formation critically contributes to hemorrhagic stroke-induced brain damage. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 3232-3247.	4.3	2
8	Transcription-coupled nucleotide excision repair: New insights revealed by genomic approaches. DNA Repair, 2021, 103, 103126.	2.8	22
9	A Review of Low-Frequency EPR Technology for the Measurement of Brain pO2 and Oxidative Stress. Applied Magnetic Resonance, 2021, 52, 1379-1394.	1.2	1
10	Dual Roles of Nicotinamide Phosphoribosyltransferase as a Promising Target for Cancer Radiotherapy. Radiation Research, 2021, 196, 429-435.	1.5	0
11	Serum Occludin Level Combined With NIHSS Score Predicts Hemorrhage Transformation in Ischemic Stroke Patients With Reperfusion. Frontiers in Cellular Neuroscience, 2021, 15, 714171.	3.7	9
12	Arsenite and monomethylarsonous acid disrupt erythropoiesis through combined effects on differentiation and survival pathways in early erythroid progenitors. Toxicology Letters, 2021, 350, 111-120.	0.8	6
13	Arsenite exposure inhibits the erythroid differentiation of human hematopoietic progenitor CD34+â€‰cells and causes decreased levels of hemoglobin. Scientific Reports, 2021, 11, 22121.	3.3	4
14	Serum Occludin as a Biomarker to Predict the Severity of Acute Ischemic Stroke, Hemorrhagic Transformation, and Patient Prognosis. , 2020, 11, 1395.		12
15	Inhibition of red blood cell development by arsenic-induced disruption of GATA-1. Scientific Reports, 2020, 10, 19055.	3.3	18
16	Arsenic trioxide disturbs the LIS1/NDEL1/dynein microtubule dynamic complex by disrupting the CLIP170 zinc finger in head and neck cancer. Toxicology and Applied Pharmacology, 2020, 403, 115158.	2.8	11
17	Exposures to uranium and arsenic alter intraepithelial and innate immune cells in the small intestine of male and female mice. Toxicology and Applied Pharmacology, 2020, 403, 115155.	2.8	23
18	Role of Nucleotide Excision Repair in Cisplatin Resistance. International Journal of Molecular Sciences, 2020, 21, 9248.	4.1	46

#	Article	IF	Citations
19	Prognosis and risk factors for reocclusion after mechanical thrombectomy. Annals of Clinical and Translational Neurology, 2020, 7, 420-428.	3.7	23
20	Phenylephrine alleviates 131I damage in submandibular gland through promoting endogenous stem cell regeneration via lissencephaly-1 upregulation. Toxicology and Applied Pharmacology, 2020, 396, 114999.	2.8	2
21	Occludin regulation of bloodâ€“brain barrier and potential therapeutic target in ischemic stroke. Brain Circulation, 2020, 6, 152.	1.8	54
22	Zinc causes the death of hypoxic astrocytes by inducing ROS production through mitochondria dysfunction. Biophysics Reports, 2019, 5, 209-217.	0.8	10
23	Peroxynitrite contributes to arsenic-induced PARP-1 inhibition through ROS/RNS generation. Toxicology and Applied Pharmacology, 2019, 378, 114602.	2.8	17
24	Zinc accumulation in mitochondria promotes ischemia-induced BBB disruption through Drp1-dependent mitochondria fission. Toxicology and Applied Pharmacology, 2019, 377, 114601.	2.8	21
25	Minimal uranium immunotoxicity following a 60-day drinking water exposure to uranyl acetate in male and female C57BL/6J mice. Toxicology and Applied Pharmacology, 2019, 372, 33-39.	2.8	4
26	Phenylephrine Alleviates 131I Radiation Damage in Submandibular Gland Through Maintaining Mitochondrial Homeostasis. International Journal of Radiation Oncology Biology Physics, 2019, 104, 644-655.	0.8	12
27	The interaction of zinc and the blood-brain barrier under physiological and ischemic conditions. Toxicology and Applied Pharmacology, 2019, 364, 114-119.	2.8	33
28	Baicalin Attenuates Blood-Brain Barrier Disruption and Hemorrhagic Transformation and Improves Neurological Outcome in Ischemic Stroke Rats with Delayed t-PA Treatment: Involvement of ONOOâ$^{-}$-MMP-9 Pathway. Translational Stroke Research, 2018, 9, 515-529.	4.2	74
29	Metal exposure and oxidative stress markers in pregnant Navajo Birth Cohort Study participants. Free Radical Biology and Medicine, 2018, 124, 484-492.	2.9	42
30	Current progress in searching for clinically useful biomarkers of bloodâ€“brain barrier damage following cerebral ischemia. Brain Circulation, 2018, 4, 145.	1.8	31
31	Synergistic Interaction Between Zinc and Reactive Oxygen Species Amplifies Ischemic Brain Injury in Rats. Stroke, 2018, 49, 2200-2210.	2.0	39
32	Minimal uranium accumulation in lymphoid tissues following an oral 60-day uranyl acetate exposure in male and female C57BL/6J mice. PLoS ONE, 2018, 13, e0205211.	2.5	14
33	Normobaric Hyperoxia Extends Neuro- and Vaso-Protection of N-Acetylcysteine in Transient Focal Ischemia. Molecular Neurobiology, 2017, 54, 3418-3427.	4.0	24
34	Blood Occludin Level as a Potential Biomarker for Early Blood Brain Barrier Damage Following Ischemic Stroke. Scientific Reports, 2017, 7, 40331.	3.3	57
35	Efflux Transporters Regulate Arsenite-Induced Genotoxicity in Double Negative and Double Positive T Cells. Toxicological Sciences, 2017, 158, 127-139.	3.1	10
36	Low level arsenite exposures suppress the development of bone marrow erythroid progenitors and result in anemia in adult male mice. Toxicology Letters, 2017, 273, 106-111.	0.8	19

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37	Inhibition of nicotinamide phosphoribosyltransferase and depletion of nicotinamide adenine dinucleotide contribute to arsenic trioxide suppression of oral squamous cell carcinoma. Toxicology and Applied Pharmacology, 2017, 331, 54-61.	2.8	13
38	Arsenic exposures alter clinical indicators of anemia in a male population of smokers and non-smokers in Bangladesh. Toxicology and Applied Pharmacology, 2017, 331, 62-68.	2.8	21
39	Differential sensitivities of cellular XPA and PARP-1 to arsenite inhibition and zinc rescue. Toxicology and Applied Pharmacology, 2017, 331, 108-115.	2.8	21
40	Normobaric Hyperoxia Reduces Blood Occludin Fragments in Rats and Patients With Acute Ischemic Stroke. Stroke, 2017, 48, 2848-2854.	2.0	50
41	Genotoxicity induced by monomethylarsonous acid (MMA +3) in mouse thymic developing T cells. Toxicology Letters, 2017, 279, 60-66.	0.8	14
42	Pathophysiological role of zinc in ischemic brain injury. Oncotarget, 2017, 8, 5670-5671.	1.8	1
43	In vivo electron paramagnetic resonance oximetry and applications in the brain. Medical Gas Research, 2017, 7, 56.	2.3	2
44	Zinc contributes to acute cerebral ischemia-induced bloodâ€“brain barrier disruption. Neurobiology of Disease, 2016, 95, 12-21.	4.4	43
45	Nicotinamide Phosphoribosyltransferase Upregulation by Phenylephrine Reduces Radiation Injury in Submandibular Gland. International Journal of Radiation Oncology Biology Physics, 2016, 96, 538-546.	0.8	14
46	The alternative strategy for designing covalent drugs through kinetic effects of pi-stacking on the self-assembled nanoparticles: a model study with antibiotics. Nanotechnology, 2016, 27, 445101.	2.6	1
47	Environmentally relevant concentrations of arsenite and monomethylarsonous acid inhibit IL-7/STAT5 cytokine signaling pathways in mouse CD3+CD4-CD8- double negative thymus cells. Toxicology Letters, 2016, 247, 62-68.	0.8	16
48	Monomethylarsonous acid (MMA⁺³) Inhibits IL-7 Signaling in Mouse Pre-B Cells. Toxicological Sciences, 2016, 149, 289-299.	3.1	20
49	Differential sensitivities of bone marrow, spleen and thymus to genotoxicity induced by environmentally relevant concentrations of arsenite. Toxicology Letters, 2016, 262, 55-61.	0.8	26
50	Editorâ€™s Highlight: Interactive Genotoxicity Induced by Environmentally Relevant Concentrations of Benzo(a)Pyrene Metabolites and Arsenite in Mouse Thymus Cells. Toxicological Sciences, 2016, 154, 153-161.	3.1	16
51	Kinetics and thermodynamics of zinc(II) and arsenic(III) binding to XPA and PARP-1 zinc finger peptides. Journal of Inorganic Biochemistry, 2016, 163, 45-52.	3.5	20
52	In vivo EPR oximetry using an isotopically-substituted nitroxide: Potential for quantitative measurement of tissue oxygen. Journal of Magnetic Resonance, 2016, 271, 68-74.	2.1	15
53	Environmentally Relevant Concentrations of Arsenite Induce Dose-Dependent Differential Genotoxicity Through Poly(ADP-Ribose) Polymerase Inhibition and Oxidative Stress in Mouse Thymus Cells. Toxicological Sciences, 2016, 149, 31-41.	3.1	24
54	ZNT-1 Expression Reduction Enhances Free Zinc Accumulation in Astrocytes After Ischemic Stroke. Acta Neurochirurgica Supplementum, 2016, 121, 257-261.	1.0	6

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55	S-nitrosation on zinc finger motif of PARP-1 as a mechanism of DNA repair inhibition by arsenite. Oncotarget, 2016, 7, 80482-80492.	1.8	22
56	Normobaric oxygen treatment in acute ischemic stroke: a clinical perspective. Medical Gas Research, 2016, 6, 147.	2.3	27
57	Abstract TP108: Blood Occludin Level Indicates the Extent of Early Blood Brain Barrier Damage in Ischemic Stroke. Stroke, 2016, 47, .	2.0	0
58	Does normobaric hyperoxia increase oxidative stress in acute ischemic stroke? A critical review of the literature. Medical Gas Research, 2015, 5, 11.	2.3	52
59	Reduction of zinc accumulation in mitochondria contributes to decreased cerebral ischemic injury by normobaric hyperoxia treatment in an experimental stroke model. Experimental Neurology, 2015, 272, 181-189.	4.1	29
60	Bcl-2 Phosphorylation Triggers Autophagy Switch and Reduces Mitochondrial Damage in Limb Remote Ischemic Conditioned Rats After Ischemic Stroke. Translational Stroke Research, 2015, 6, 198-206.	4.2	77
61	Selective Sensitization of Zinc Finger Protein Oxidation by Reactive Oxygen Species through Arsenic Binding. Journal of Biological Chemistry, 2015, 290, 18361-18369.	3.4	50
62	Arsenite Interacts with Dibenzo[def,p]chrysene (DBC) at Low Levels to Suppress Bone Marrow Lymphoid Progenitors in Mice. Biological Trace Element Research, 2015, 166, 82-88.	3.5	9
63	Autophagy Mediates Astrocyte Death During Zinc-Potentiated Ischemiaâ€“Reperfusion Injury. Biological Trace Element Research, 2015, 166, 89-95.	3.5	25
64	Effect of Phenylephrine Pretreatment on the Expressions of Aquaporin 5 and c-Jun N-Terminal Kinase in Irradiated Submandibular Gland. Radiation Research, 2015, 183, 693-700.	1.5	11
65	Normobaric Hyperoxia Slows Bloodâ€“Brain Barrier Damage and Expands the Therapeutic Time Window for Tissue-Type Plasminogen Activator Treatment in Cerebral Ischemia. Stroke, 2015, 46, 1344-1351.	2.0	70
66	Arsenite Selectively Inhibits Mouse Bone Marrow Lymphoid Progenitor Cell Development In Vivo and In Vitro and Suppresses Humoral Immunity In Vivo. PLoS ONE, 2014, 9, e93920.	2.5	29
67	Chelating Intracellularly Accumulated Zinc Decreased Ischemic Brain Injury Through Reducing Neuronal Apoptotic Death. Stroke, 2014, 45, 1139-1147.	2.0	58
68	In vivo evidence of methamphetamine induced attenuation of brain tissue oxygenation as measured by EPR oximetry. Toxicology and Applied Pharmacology, 2014, 275, 73-78.	2.8	15
69	Arsenite binding-induced zinc loss from PARP-1 is equivalent to zinc deficiency in reducing PARP-1 activity, leading to inhibition of DNA repair. Toxicology and Applied Pharmacology, 2014, 274, 313-318.	2.8	57
70	Ischemic neurons activate astrocytes to disrupt endothelial barrier via increasing VEGF expression. Journal of Neurochemistry, 2014, 129, 120-129.	3.9	103
71	Highly sensitive free radical detection by nitrone-functionalized gold nanoparticles. Nanoscale, 2014, 6, 1646-1652.	5.6	10
72	Differential Binding of Monomethylarsonous Acid Compared to Arsenite and Arsenic Trioxide with Zinc Finger Peptides and Proteins. Chemical Research in Toxicology, 2014, 27, 690-698.	3.3	61

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73	Pulsed Electron Paramagnetic Resonance Study of Domain Docking in Neuronal Nitric Oxide Synthase: The Calmodulin and Output State Perspective. Journal of Physical Chemistry A, 2014, 118, 6864-6872.	2.5	24
74	Extended normobaric hyperoxia therapy yields greater neuroprotection for focal transient ischemia-reperfusion in rats. Medical Gas Research, 2014, 4, 14.	2.3	11
75	AKT-Related Autophagy Contributes to the Neuroprotective Efficacy of Hydroxysafflor Yellow A against Ischemic Stroke in Rats. Translational Stroke Research, 2014, 5, 501-509.	4.2	40
76	Hypoxia-inducible factor 1 contributes to N-acetylcysteineâ€™s protection in stroke. Free Radical Biology and Medicine, 2014, 68, 8-21.	2.9	60
77	Differential Susceptibility of Human Peripheral Blood T Cells to Suppression by Environmental Levels of Sodium Arsenite and Monomethylarsonous Acid. PLoS ONE, 2014, 9, e109192.	2.5	36
78	Normobaric hyperoxia-based neuroprotective therapies in ischemic stroke. Medical Gas Research, 2013, 3, 2.	2.3	28
79	Mechanism and Cellular Kinetic Studies of the Enhancement of Antioxidant Activity by Using Surfaceâ€Functionalized Gold Nanoparticles. Chemistry - A European Journal, 2013, 19, 1281-1287.	3.3	52
80	Reduction of arsenite-enhanced ultraviolet radiation-induced DNA damage by supplemental zinc. Toxicology and Applied Pharmacology, 2013, 269, 81-88.	2.8	42
81	Arsenite-induced ROS/RNS generation causes zinc loss and inhibits the activity of poly(ADP-ribose) polymerase-1. Free Radical Biology and Medicine, 2013, 61, 249-256.	2.9	38
82	Poly(ADP-Ribose) Polymerase-1 Inhibition by Arsenite Promotes the Survival of Cells With Unrepaired DNA Lesions Induced by UV Exposure. Toxicological Sciences, 2012, 127, 120-129.	3.1	40
83	Rapid Conditioning With Oxygen Oscillation. Stroke, 2012, 43, 220-226.	2.0	25
84	Poly(ADP-ribose) Contributes to an Association between Poly(ADP-ribose) Polymerase-1 and Xeroderma Pigmentosum Complementation Group A in Nucleotide Excision Repair. Journal of Biological Chemistry, 2012, 287, 39824-39833.	3.4	58
85	Improvement of hematoma absorption and neurological function in patients with acute intracerebral hemorrhage treated with Xueshuantong. Journal of the Neurological Sciences, 2012, 323, 236-240.	0.6	28
86	Caveolinâ€1 regulates nitric oxideâ€mediated matrix metalloproteinases activity and bloodâ€“brain barrier permeability in focal cerebral ischemia and reperfusion injury. Journal of Neurochemistry, 2012, 120, 147-156.	3.9	198
87	Normobaric hyperoxia protects the blood brain barrier through inhibiting Nox2 containing NADPH oxidase in ischemic stroke. Medical Gas Research, 2011, 1, 22.	2.3	50
88	Arsenite Interacts Selectively with Zinc Finger Proteins Containing C3H1 or C4 Motifs. Journal of Biological Chemistry, 2011, 286, 22855-22863.	3.4	162
89	Low-dose synergistic immunosuppression of T-dependent antibody responses by polycyclic aromatic hydrocarbons and arsenic in C57BL/6J murine spleen cells. Toxicology and Applied Pharmacology, 2010, 245, 344-351.	2.8	43
90	Inhibition of gp91phox contributes towards normobaric hyperoxia afforded neuroprotection in focal cerebral ischemia. Brain Research, 2010, 1348, 174-180.	2.2	21

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91	Normobaric hyperoxia delays and attenuates early nitric oxide production in focal cerebral ischemic rats. Brain Research, 2010, 1352, 248-254.	2.2	23
92	Comparison of Two Nitroxide Labile Esters for Delivering Electron Paramagnetic Resonance Probes into Mouse Brain. Journal of Pharmaceutical Sciences, 2010, 99, 3594-3600.	3.3	11
93	Inhibition of Poly(ADP-ribose) Polymerase-1 by Arsenite Interferes with Repair of Oxidative DNA Damage. Journal of Biological Chemistry, 2009, 284, 6809-6817.	3.4	133
94	Response to Letter by Hadjiev and Mineva. Stroke, 2009, 40, e637.	2.0	0
95	Normobaric Hyperoxia Reduces the Neurovascular Complications Associated With Delayed Tissue Plasminogen Activator Treatment in a Rat Model of Focal Cerebral Ischemia. Stroke, 2009, 40, 2526-2531.	2.0	64
96	Induction of heme oxygenase 1 by arsenite inhibits cytokine-induced monocyte adhesion to human endothelial cells. Toxicology and Applied Pharmacology, 2009, 236, 202-209.	2.8	14
97	Immunotoxicity and biodistribution analysis of arsenic trioxide in C57Bl/6 mice following a 2-week inhalation exposure. Toxicology and Applied Pharmacology, 2009, 241, 253-259.	2.8	43
98	Enhanced ROS production and redox signaling with combined arsenite and UVA exposure: Contribution of NADPH oxidase. Free Radical Biology and Medicine, 2009, 47, 381-388.	2.9	60
99	Direct Visualization of Mouse Brain Oxygen Distribution by Electron Paramagnetic Resonance Imaging: Application to Focal Cerebral Ischemia. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 1695-1703.	4.3	26
100	Normobaric hyperoxia attenuates early bloodâ€“brain barrier disruption by inhibiting MMPâ€9â€mediated occludin degradation in focal cerebral ischemia. Journal of Neurochemistry, 2009, 108, 811-820.	3.9	170
101	Specific inhibition of hypoxia inducible factor 1 exaggerates cell injury induced by in vitro ischemia through deteriorating cellular redox environment. Journal of Neurochemistry, 2009, 108, 1309-1321.	3.9	70
102	Enhanced ROS production and redox signaling with combined arsenite and UVA exposures. FASEB Journal, 2009, 23, 706.2.	0.5	0
103	Glucose upâ€regulates HIFâ€1Î± expression in primary cortical neurons in response to hypoxia through maintaining cellular redox status. Journal of Neurochemistry, 2008, 105, 1849-1860.	3.9	68
104	Interaction of caveolinâ€1, nitric oxide, and nitric oxide synthases in hypoxic human SKâ€Nâ€MC neuroblastoma cells. Journal of Neurochemistry, 2008, 107, 478-487.	3.9	21
105	Normobaric hyperoxia inhibits NADPH oxidaseâ€mediated matrix metalloproteinaseâ€9 induction in cerebral microvessels in experimental stroke. Journal of Neurochemistry, 2008, 107, 1196-1205.	3.9	93
106	As(III) inhibits ultraviolet radiation-induced cyclobutane pyrimidine dimer repair via generation of nitric oxide in human keratinocytes. Free Radical Biology and Medicine, 2008, 45, 1065-1072.	2.9	39
107	Low concentration of arsenite exacerbates UVR-induced DNA strand breaks by inhibiting PARP-1 activity. Toxicology and Applied Pharmacology, 2008, 232, 41-50.	2.8	66
108	Dual Actions Involved in Arsenite-Induced Oxidative DNA Damage. Chemical Research in Toxicology, 2008, 21, 1806-1813.	3.3	48

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109	Differential expression of tissue inhibitor of metalloproteinases-3 in cultured astrocytes and neurons regulates the activation of matrix metalloproteinase-2. Journal of Neuroscience Research, 2007, 85, 829-836.	2.9	20
110	Enhanced radical scavenging activity by antioxidant-functionalized gold nanoparticles: A novel inspiration for development of new artificial antioxidants. Free Radical Biology and Medicine, 2007, 43, 1243-1254.	2.9	141
111	Contributions of reactive oxygen species and mitogen-activated protein kinase signaling in arsenite-stimulated hemeoxygenase-1 production. Toxicology and Applied Pharmacology, 2007, 218, 119-127.	2.8	60
112	Ebselen Induced C6 Glioma Cell Death in Oxygen and Glucose Deprivation. Chemical Research in Toxicology, 2006, 19, 655-660.	3.3	37
113	Effects of glucose concentration on redox status in rat primary cortical neurons under hypoxia. Neuroscience Letters, 2006, 410, 57-61.	2.1	40
114	Nitric oxide down-regulates caveolin-1 expression in rat brains during focal cerebral ischemia and reperfusion injury. Journal of Neurochemistry, 2006, 96, 1078-1089.	3.9	74
115	Electron Paramagnetic Resonance-Guided Normobaric Hyperoxia Treatment Protects the Brain by Maintaining Penumbral Oxygenation in a Rat Model of Transient Focal Cerebral Ischemia. Journal of Cerebral Blood Flow and Metabolism, 2006, 26, 1274-1284.	4.3	116
116	AUF-1 mediates inhibition by nitric oxide of lipopolysaccharide-induced matrix metalloproteinase-9 expression in cultured astrocytes. Journal of Neuroscience Research, 2006, 84, 360-369.	2.9	20
117	Acetoxymethoxycarbonyl Nitroxides as Electron Paramagnetic Resonance Proimaging Agents to Measure O2 Levels in Mouse Brain: A Pharmacokinetic and Pharmacodynamic Study. Journal of Pharmacology and Experimental Therapeutics, 2006, 318, 1187-1193.	2.5	25
118	Generation of hydrogen peroxide during brief oxygen-glucose deprivation induces preconditioning neuronal protection in primary cultured neurons. Journal of Neuroscience Research, 2005, 79, 816-824.	2.9	74
119	Inorganic arsenic compounds cause oxidative damage to DNA and protein by inducing ROS and RNS generation in human keratinocytes. Molecular and Cellular Biochemistry, 2005, 279, 105-112.	3.1	140
120	Cdc42 Regulates Arsenic-induced NADPH Oxidase Activation and Cell Migration through Actin Filament Reorganization. Journal of Biological Chemistry, 2005, 280, 3875-3884.	3.4	76
121	PUMA Overexpression Induces Reactive Oxygen Species Generation and Proteasome-Mediated Stathmin Degradation in Colorectal Cancer Cells. Cancer Research, 2005, 65, 1647-1654.	0.9	113
122	Evaluation of spin trapping agents and trapping conditions for detection of cell-generated reactive oxygen species. Archives of Biochemistry and Biophysics, 2005, 437, 59-68.	3.0	82
123	Interstitial pO2 in Ischemic Penumbra and Core are Differentially Affected following Transient Focal Cerebral Ischemia in Rats. Journal of Cerebral Blood Flow and Metabolism, 2004, 24, 343-349.	4.3	146
124	Oxidative stress and apoptosis in metal ion-induced carcinogenesis. Free Radical Biology and Medicine, 2004, 37, 582-593.	2.9	237
125	Oxidative mechanism of arsenic toxicity and carcinogenesis. Molecular and Cellular Biochemistry, 2004, 255, 67-78.	3.1	575
126	Application ofin vivo EPR in brain research: monitoring tissue oxygenation, blood flow, and oxidative stress. NMR in Biomedicine, 2004, 17, 327-334.	2.8	45

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127	Arsenite Causes DNA Damage in Keratinocytes Via Generation of Hydroxyl Radicals. Chemical Research in Toxicology, 2004, 17, 871-878.	3.3	141
128	Xanthine oxidase activates pro-matrix metalloproteinase-2 in cultured rat vascular smooth muscle cells through non-free radical mechanisms. Archives of Biochemistry and Biophysics, 2004, 426, 11-17.	3.0	15
129	Hydroxyl radical formation is greater in striatal core than in penumbra in a rat model of ischemic stroke. Journal of Neuroscience Research, 2003, 71, 882-888.	2.9	49
130	Benzo(a)pyrene quinones increase cell proliferation, generate reactive oxygen species, and transactivate the epidermal growth factor receptor in breast epithelial cells. Cancer Research, 2003, 63, 7825-33.	0.9	141
131	Vanadate-induced Expression of Hypoxia-inducible Factor 1Î± and Vascular Endothelial Growth Factor through Phosphatidylinositol 3-Kinase/Akt Pathway and Reactive Oxygen Species. Journal of Biological Chemistry, 2002, 277, 31963-31971.	3.4	179
132	Detection and removal of contaminating hydroxylamines from the spin trap DEPMPO, and re-evaluation of its use to indicate nitrone radical cation formation and SN1 reactions. Free Radical Biology and Medicine, 2002, 32, 228-232.	2.9	48
133	Hydroethidine detection of superoxide production during the lithiumâ€“pilocarpine model of status epilepticus. Epilepsy Research, 2002, 49, 226-238.	1.6	26
134	Direct Visualization of Trapped Erythrocytes in Rat Brain after Focal Ischemia and Reperfusion. Journal of Cerebral Blood Flow and Metabolism, 2002, 22, 1222-1230.	4.3	50
135	Title is missing!. Molecular and Cellular Biochemistry, 2002, 234/235, 379-385.	3.1	38
136	Direct Visualization of Trapped Erythrocytes in Rat Brain After Focal Ischemia and Reperfusion. Journal of Cerebral Blood Flow and Metabolism, 2002, , 1222-1230.	4.3	11
137	Critical oxygen tension in rat brain: a combined³¹P-NMR and EPR oximetry study. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2000, 279, R9-R16.	1.8	63
138	Evaluation of DEPMPO as a spin trapping agent in biological systems. Free Radical Biology and Medicine, 1999, 26, 714-721.	2.9	85
139	High-performance liquid chromatography study of the pharmacokinetics of various spin traps for application to in vivo spin trapping. Free Radical Biology and Medicine, 1999, 27, 82-89.	2.9	15
140	Trapping of free radicals with direct in vivo EPR detection: a comparison of 5,5-dimethyl-1-pyrroline-N-oxide and 5-diethoxyphosphoryl-5-methyl-1-pyrroline-N-oxide as spin traps for HO and SO4â€¢â¾. Free Radical Biology and Medicine, 1999, 27, 329-333.	2.9	260
141	Effects of Ketamine/Xylazine and Pentobarbital Anesthesia on Cerebral Tissue Oxygen Tension, Blood Pressure, and Arterial Blood Gas in Rats. Advances in Experimental Medicine and Biology, 1999, 471, 189-198.	1.6	10
142	Cr(III)-mediated hydroxyl radical generation via Haber-Weiss cycle. Journal of Inorganic Biochemistry, 1998, 69, 263-268.	3.5	24
143	Synthesis of Cr(IV)-GSH, Its Identification and Its Free Hydroxyl Radical Generation: A Model Compound for Cr(VI) Carcinogenicity. Biochemical and Biophysical Research Communications, 1997, 235, 54-58.	2.1	66
144	MRI contrast enhanced study of cartilage proteoglycan degradation in the rabbit knee. Magnetic Resonance in Medicine, 1997, 37, 764-768.	3.0	58

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145	Reduction of carcinogenic chromium(vi) on the skin of living rats. Magnetic Resonance in Medicine, 1997, 38, 524-526.	3.0	34
146	Detection of Free Radical Metabolite Formation Usingin VivoEPR Spectroscopy: Evidence of Rat Hemoglobin Thiyl Radical Formation Following Administration of Phenylhydrazine. Archives of Biochemistry and Biophysics, 1996, 330, 266-270.	3.0	36
147	Low frequency epr surface probe based on dielectric resonator. Research on Chemical Intermediates, 1996, 22, 539-547.	2.7	2
148	An HPLC and EPR investigation on the stability of DMPO and DMPO spin adducts in vivo. Research on Chemical Intermediates, 1996, 22, 499-509.	2.7	22
149	In vivo Oximetry Using EPR and India Ink. Magnetic Resonance in Medicine, 1995, 33, 237-245.	3.0	78
150	Chromate-Induced Chromium(V) Formation in Live Mice and Its Control by Cellular Antioxidants: An L-Band Electron Paramagnetic Resonance Study. Archives of Biochemistry and Biophysics, 1995, 323, 33-39.	3.0	35
151	India ink: A potential clinically applicable EPR oximetry probe. Magnetic Resonance in Medicine, 1994, 31, 229-232.	3.0	92