

# Ke Jian Liu

## List of Publications by Year in descending order

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151  
papers

7,243  
citations

44069

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66911

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155  
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155  
docs citations

155  
times ranked

7973  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidative mechanism of arsenic toxicity and carcinogenesis. <i>Molecular and Cellular Biochemistry</i> , 2004, 255, 67-78.	3.1	575
2	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 SO <sub>4</sub> <sup>2-</sup> . <i>Free Radical Biology and Medicine</i> , 1999, 27, 329-333.	2.9	260
3	Oxidative stress and apoptosis in metal ion-induced carcinogenesis. <i>Free Radical Biology and Medicine</i> , 2004, 37, 582-593.	2.9	237
4	Caveolin-1 regulates nitric oxide-mediated matrix metalloproteinases activity and blood-brain barrier permeability in focal cerebral ischemia and reperfusion injury. <i>Journal of Neurochemistry</i> , 2012, 120, 147-156.	3.9	198
5	Vanadate-induced Expression of Hypoxia-inducible Factor 1 $\alpha$ and Vascular Endothelial Growth Factor through Phosphatidylinositol 3-Kinase/Akt Pathway and Reactive Oxygen Species. <i>Journal of Biological Chemistry</i> , 2002, 277, 31963-31971.	3.4	179
6	Normobaric hyperoxia attenuates early blood-brain barrier disruption by inhibiting MMP-9-mediated occludin degradation in focal cerebral ischemia. <i>Journal of Neurochemistry</i> , 2009, 108, 811-820.	3.9	170
7	Arsenite Interacts Selectively with Zinc Finger Proteins Containing C3H1 or C4 Motifs. <i>Journal of Biological Chemistry</i> , 2011, 286, 22855-22863.	3.4	162
8	Interstitial pO <sub>2</sub> in Ischemic Penumbra and Core are Differentially Affected following Transient Focal Cerebral Ischemia in Rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2004, 24, 343-349.	4.3	146
9	Arsenite Causes DNA Damage in Keratinocytes Via Generation of Hydroxyl Radicals. <i>Chemical Research in Toxicology</i> , 2004, 17, 871-878.	3.3	141
10	Enhanced radical scavenging activity by antioxidant-functionalized gold nanoparticles: A novel inspiration for development of new artificial antioxidants. <i>Free Radical Biology and Medicine</i> , 2007, 43, 1243-1254.	2.9	141
11	Benzo(a)pyrene quinones increase cell proliferation, generate reactive oxygen species, and transactivate the epidermal growth factor receptor in breast epithelial cells. <i>Cancer Research</i> , 2003, 63, 7825-33.	0.9	141
12	Inorganic arsenic compounds cause oxidative damage to DNA and protein by inducing ROS and RNS generation in human keratinocytes. <i>Molecular and Cellular Biochemistry</i> , 2005, 279, 105-112.	3.1	140
13	Inhibition of Poly(ADP-ribose) Polymerase-1 by Arsenite Interferes with Repair of Oxidative DNA Damage. <i>Journal of Biological Chemistry</i> , 2009, 284, 6809-6817.	3.4	133
14	Electron Paramagnetic Resonance-Guided Normobaric Hyperoxia Treatment Protects the Brain by Maintaining Penumbra Oxygenation in a Rat Model of Transient Focal Cerebral Ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2006, 26, 1274-1284.	4.3	116
15	PLUMA Overexpression Induces Reactive Oxygen Species Generation and Proteasome-Mediated Stathmin Degradation in Colorectal Cancer Cells. <i>Cancer Research</i> , 2005, 65, 1647-1654.	0.9	113
16	Ischemic neurons activate astrocytes to disrupt endothelial barrier via increasing VEGF expression. <i>Journal of Neurochemistry</i> , 2014, 129, 120-129.	3.9	103
17	Normobaric hyperoxia inhibits NADPH oxidase-mediated matrix metalloproteinase-9 induction in cerebral microvessels in experimental stroke. <i>Journal of Neurochemistry</i> , 2008, 107, 1196-1205.	3.9	93
18	India ink: A potential clinically applicable EPR oximetry probe. <i>Magnetic Resonance in Medicine</i> , 1994, 31, 229-232.	3.0	92

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19	Evaluation of DEPMPO as a spin trapping agent in biological systems. <i>Free Radical Biology and Medicine</i> , 1999, 26, 714-721.	2.9	85
20	Evaluation of spin trapping agents and trapping conditions for detection of cell-generated reactive oxygen species. <i>Archives of Biochemistry and Biophysics</i> , 2005, 437, 59-68.	3.0	82
21	In vivo Oximetry Using EPR and India Ink. <i>Magnetic Resonance in Medicine</i> , 1995, 33, 237-245.	3.0	78
22	Bcl-2 Phosphorylation Triggers Autophagy Switch and Reduces Mitochondrial Damage in Limb Remote Ischemic Conditioned Rats After Ischemic Stroke. <i>Translational Stroke Research</i> , 2015, 6, 198-206.	4.2	77
23	Cdc42 Regulates Arsenic-induced NADPH Oxidase Activation and Cell Migration through Actin Filament Reorganization. <i>Journal of Biological Chemistry</i> , 2005, 280, 3875-3884.	3.4	76
24	Generation of hydrogen peroxide during brief oxygen-glucose deprivation induces preconditioning neuronal protection in primary cultured neurons. <i>Journal of Neuroscience Research</i> , 2005, 79, 816-824.	2.9	74
25	Nitric oxide down-regulates caveolin-1 expression in rat brains during focal cerebral ischemia and reperfusion injury. <i>Journal of Neurochemistry</i> , 2006, 96, 1078-1089.	3.9	74
26	Baicalin Attenuates Blood-Brain Barrier Disruption and Hemorrhagic Transformation and Improves Neurological Outcome in Ischemic Stroke Rats with Delayed t-PA Treatment: Involvement of ONOO <sup>-</sup> -MMP-9 Pathway. <i>Translational Stroke Research</i> , 2018, 9, 515-529.	4.2	74
27	Specific inhibition of hypoxia inducible factor 1 exaggerates cell injury induced by <i>in vitro</i> ischemia through deteriorating cellular redox environment. <i>Journal of Neurochemistry</i> , 2009, 108, 1309-1321.	3.9	70
28	Normobaric Hyperoxia Slows Blood-Brain Barrier Damage and Expands the Therapeutic Time Window for Tissue-Type Plasminogen Activator Treatment in Cerebral Ischemia. <i>Stroke</i> , 2015, 46, 1344-1351.	2.0	70
29	Glucose up-regulates HIF-1 $\alpha$ expression in primary cortical neurons in response to hypoxia through maintaining cellular redox status. <i>Journal of Neurochemistry</i> , 2008, 105, 1849-1860.	3.9	68
30	Synthesis of Cr(IV)-GSH, Its Identification and Its Free Hydroxyl Radical Generation: A Model Compound for Cr(VI) Carcinogenicity. <i>Biochemical and Biophysical Research Communications</i> , 1997, 235, 54-58.	2.1	66
31	Low concentration of arsenite exacerbates UVR-induced DNA strand breaks by inhibiting PARP-1 activity. <i>Toxicology and Applied Pharmacology</i> , 2008, 232, 41-50.	2.8	66
32	Normobaric Hyperoxia Reduces the Neurovascular Complications Associated With Delayed Tissue Plasminogen Activator Treatment in a Rat Model of Focal Cerebral Ischemia. <i>Stroke</i> , 2009, 40, 2526-2531.	2.0	64
33	Critical oxygen tension in rat brain: a combined <sup>31</sup> P-NMR and EPR oximetry study. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2000, 279, R9-R16.	1.8	63
34	Differential Binding of Monomethylarsonous Acid Compared to Arsenite and Arsenic Trioxide with Zinc Finger Peptides and Proteins. <i>Chemical Research in Toxicology</i> , 2014, 27, 690-698.	3.3	61
35	Contributions of reactive oxygen species and mitogen-activated protein kinase signaling in arsenite-stimulated hemeoxygenase-1 production. <i>Toxicology and Applied Pharmacology</i> , 2007, 218, 119-127.	2.8	60
36	Enhanced ROS production and redox signaling with combined arsenite and UVA exposure: Contribution of NADPH oxidase. <i>Free Radical Biology and Medicine</i> , 2009, 47, 381-388.	2.9	60

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37	Hypoxia-inducible factor 1 contributes to N-acetylcysteine's protection in stroke. <i>Free Radical Biology and Medicine</i> , 2014, 68, 8-21.	2.9	60
38	MRI contrast enhanced study of cartilage proteoglycan degradation in the rabbit knee. <i>Magnetic Resonance in Medicine</i> , 1997, 37, 764-768.	3.0	58
39	Poly(ADP-ribose) Contributes to an Association between Poly(ADP-ribose) Polymerase-1 and Xeroderma Pigmentosum Complementation Group A in Nucleotide Excision Repair. <i>Journal of Biological Chemistry</i> , 2012, 287, 39824-39833.	3.4	58
40	Chelating Intracellularly Accumulated Zinc Decreased Ischemic Brain Injury Through Reducing Neuronal Apoptotic Death. <i>Stroke</i> , 2014, 45, 1139-1147.	2.0	58
41	Arsenite binding-induced zinc loss from PARP-1 is equivalent to zinc deficiency in reducing PARP-1 activity, leading to inhibition of DNA repair. <i>Toxicology and Applied Pharmacology</i> , 2014, 274, 313-318.	2.8	57
42	Blood Occludin Level as a Potential Biomarker for Early Blood Brain Barrier Damage Following Ischemic Stroke. <i>Scientific Reports</i> , 2017, 7, 40331.	3.3	57
43	Occludin regulation of blood-brain barrier and potential therapeutic target in ischemic stroke. <i>Brain Circulation</i> , 2020, 6, 152.	1.8	54
44	Mechanism and Cellular Kinetic Studies of the Enhancement of Antioxidant Activity by Using Surface-Functionalized Gold Nanoparticles. <i>Chemistry - A European Journal</i> , 2013, 19, 1281-1287.	3.3	52
45	Does normobaric hyperoxia increase oxidative stress in acute ischemic stroke? A critical review of the literature. <i>Medical Gas Research</i> , 2015, 5, 11.	2.3	52
46	Direct Visualization of Trapped Erythrocytes in Rat Brain after Focal Ischemia and Reperfusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002, 22, 1222-1230.	4.3	50
47	Normobaric hyperoxia protects the blood brain barrier through inhibiting Nox2 containing NADPH oxidase in ischemic stroke. <i>Medical Gas Research</i> , 2011, 1, 22.	2.3	50
48	Selective Sensitization of Zinc Finger Protein Oxidation by Reactive Oxygen Species through Arsenic Binding. <i>Journal of Biological Chemistry</i> , 2015, 290, 18361-18369.	3.4	50
49	Normobaric Hyperoxia Reduces Blood Occludin Fragments in Rats and Patients With Acute Ischemic Stroke. <i>Stroke</i> , 2017, 48, 2848-2854.	2.0	50
50	Hydroxyl radical formation is greater in striatal core than in penumbra in a rat model of ischemic stroke. <i>Journal of Neuroscience Research</i> , 2003, 71, 882-888.	2.9	49
51	Detection and removal of contaminating hydroxylamines from the spin trap DEPMPO, and re-evaluation of its use to indicate nitron radical cation formation and SN1 reactions. <i>Free Radical Biology and Medicine</i> , 2002, 32, 228-232.	2.9	48
52	Dual Actions Involved in Arsenite-Induced Oxidative DNA Damage. <i>Chemical Research in Toxicology</i> , 2008, 21, 1806-1813.	3.3	48
53	Role of Nucleotide Excision Repair in Cisplatin Resistance. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9248.	4.1	46
54	Application of in vivo EPR in brain research: monitoring tissue oxygenation, blood flow, and oxidative stress. <i>NMR in Biomedicine</i> , 2004, 17, 327-334.	2.8	45

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55	Immunotoxicity and biodistribution analysis of arsenic trioxide in C57Bl/6 mice following a 2-week inhalation exposure. <i>Toxicology and Applied Pharmacology</i> , 2009, 241, 253-259.	2.8	43
56	Low-dose synergistic immunosuppression of T-dependent antibody responses by polycyclic aromatic hydrocarbons and arsenic in C57BL/6J murine spleen cells. <i>Toxicology and Applied Pharmacology</i> , 2010, 245, 344-351.	2.8	43
57	Zinc contributes to acute cerebral ischemia-induced blood-brain barrier disruption. <i>Neurobiology of Disease</i> , 2016, 95, 12-21.	4.4	43
58	Reduction of arsenite-enhanced ultraviolet radiation-induced DNA damage by supplemental zinc. <i>Toxicology and Applied Pharmacology</i> , 2013, 269, 81-88.	2.8	42
59	Metal exposure and oxidative stress markers in pregnant Navajo Birth Cohort Study participants. <i>Free Radical Biology and Medicine</i> , 2018, 124, 484-492.	2.9	42
60	Effects of glucose concentration on redox status in rat primary cortical neurons under hypoxia. <i>Neuroscience Letters</i> , 2006, 410, 57-61.	2.1	40
61	Poly(ADP-Ribose) Polymerase-1 Inhibition by Arsenite Promotes the Survival of Cells With Unrepaired DNA Lesions Induced by UV Exposure. <i>Toxicological Sciences</i> , 2012, 127, 120-129.	3.1	40
62	AKT-Related Autophagy Contributes to the Neuroprotective Efficacy of Hydroxysafflor Yellow A against Ischemic Stroke in Rats. <i>Translational Stroke Research</i> , 2014, 5, 501-509.	4.2	40
63	As(III) inhibits ultraviolet radiation-induced cyclobutane pyrimidine dimer repair via generation of nitric oxide in human keratinocytes. <i>Free Radical Biology and Medicine</i> , 2008, 45, 1065-1072.	2.9	39
64	Synergistic Interaction Between Zinc and Reactive Oxygen Species Amplifies Ischemic Brain Injury in Rats. <i>Stroke</i> , 2018, 49, 2200-2210.	2.0	39
65	Title is missing!. <i>Molecular and Cellular Biochemistry</i> , 2002, 234/235, 379-385.	3.1	38
66	Arsenite-induced ROS/RNS generation causes zinc loss and inhibits the activity of poly(ADP-ribose) polymerase-1. <i>Free Radical Biology and Medicine</i> , 2013, 61, 249-256.	2.9	38
67	Ebselen Induced C6 Glioma Cell Death in Oxygen and Glucose Deprivation. <i>Chemical Research in Toxicology</i> , 2006, 19, 655-660.	3.3	37
68	Detection of Free Radical Metabolite Formation Using in Vivo EPR Spectroscopy: Evidence of Rat Hemoglobin Thiyl Radical Formation Following Administration of Phenylhydrazine. <i>Archives of Biochemistry and Biophysics</i> , 1996, 330, 266-270.	3.0	36
69	Differential Susceptibility of Human Peripheral Blood T Cells to Suppression by Environmental Levels of Sodium Arsenite and Monomethylarsonous Acid. <i>PLoS ONE</i> , 2014, 9, e109192.	2.5	36
70	Chromate-Induced Chromium(V) Formation in Live Mice and Its Control by Cellular Antioxidants: An L-Band Electron Paramagnetic Resonance Study. <i>Archives of Biochemistry and Biophysics</i> , 1995, 323, 33-39.	3.0	35
71	Reduction of carcinogenic chromium(vi) on the skin of living rats. <i>Magnetic Resonance in Medicine</i> , 1997, 38, 524-526.	3.0	34
72	The interaction of zinc and the blood-brain barrier under physiological and ischemic conditions. <i>Toxicology and Applied Pharmacology</i> , 2019, 364, 114-119.	2.8	33

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73	Arsenic co-carcinogenesis: Inhibition of DNA repair and interaction with zinc finger proteins. <i>Seminars in Cancer Biology</i> , 2021, 76, 86-98.	9.6	32
74	Current progress in searching for clinically useful biomarkers of blood-brain barrier damage following cerebral ischemia. <i>Brain Circulation</i> , 2018, 4, 145.	1.8	31
75	Arsenite Selectively Inhibits Mouse Bone Marrow Lymphoid Progenitor Cell Development In Vivo and In Vitro and Suppresses Humoral Immunity In Vivo. <i>PLoS ONE</i> , 2014, 9, e93920.	2.5	29
76	Reduction of zinc accumulation in mitochondria contributes to decreased cerebral ischemic injury by normobaric hyperoxia treatment in an experimental stroke model. <i>Experimental Neurology</i> , 2015, 272, 181-189.	4.1	29
77	Improvement of hematoma absorption and neurological function in patients with acute intracerebral hemorrhage treated with Xueshuantong. <i>Journal of the Neurological Sciences</i> , 2012, 323, 236-240.	0.6	28
78	Normobaric hyperoxia-based neuroprotective therapies in ischemic stroke. <i>Medical Gas Research</i> , 2013, 3, 2.	2.3	28
79	Normobaric oxygen treatment in acute ischemic stroke: a clinical perspective. <i>Medical Gas Research</i> , 2016, 6, 147.	2.3	27
80	Hydroethidine detection of superoxide production during the lithium-pilocarpine model of status epilepticus. <i>Epilepsy Research</i> , 2002, 49, 226-238.	1.6	26
81	Direct Visualization of Mouse Brain Oxygen Distribution by Electron Paramagnetic Resonance Imaging: Application to Focal Cerebral Ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 1695-1703.	4.3	26
82	Differential sensitivities of bone marrow, spleen and thymus to genotoxicity induced by environmentally relevant concentrations of arsenite. <i>Toxicology Letters</i> , 2016, 262, 55-61.	0.8	26
83	Acetoxymethoxycarbonyl Nitroxides as Electron Paramagnetic Resonance Proimaging Agents to Measure O <sub>2</sub> Levels in Mouse Brain: A Pharmacokinetic and Pharmacodynamic Study. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 318, 1187-1193.	2.5	25
84	Rapid Conditioning With Oxygen Oscillation. <i>Stroke</i> , 2012, 43, 220-226.	2.0	25
85	Autophagy Mediates Astrocyte Death During Zinc-Potentiated Ischemia-Reperfusion Injury. <i>Biological Trace Element Research</i> , 2015, 166, 89-95.	3.5	25
86	Cr(III)-mediated hydroxyl radical generation via Haber-Weiss cycle. <i>Journal of Inorganic Biochemistry</i> , 1998, 69, 263-268.	3.5	24
87	Pulsed Electron Paramagnetic Resonance Study of Domain Docking in Neuronal Nitric Oxide Synthase: The Calmodulin and Output State Perspective. <i>Journal of Physical Chemistry A</i> , 2014, 118, 6864-6872.	2.5	24
88	Environmentally Relevant Concentrations of Arsenite Induce Dose-Dependent Differential Genotoxicity Through Poly(ADP-Ribose) Polymerase Inhibition and Oxidative Stress in Mouse Thymus Cells. <i>Toxicological Sciences</i> , 2016, 149, 31-41.	3.1	24
89	Normobaric Hyperoxia Extends Neuro- and Vaso-Protection of N-Acetylcysteine in Transient Focal Ischemia. <i>Molecular Neurobiology</i> , 2017, 54, 3418-3427.	4.0	24
90	Normobaric hyperoxia delays and attenuates early nitric oxide production in focal cerebral ischemic rats. <i>Brain Research</i> , 2010, 1352, 248-254.	2.2	23

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91	Exposures to uranium and arsenic alter intraepithelial and innate immune cells in the small intestine of male and female mice. <i>Toxicology and Applied Pharmacology</i> , 2020, 403, 115155.	2.8	23
92	Prognosis and risk factors for reocclusion after mechanical thrombectomy. <i>Annals of Clinical and Translational Neurology</i> , 2020, 7, 420-428.	3.7	23
93	An HPLC and EPR investigation on the stability of DMPO and DMPO spin adducts in vivo. <i>Research on Chemical Intermediates</i> , 1996, 22, 499-509.	2.7	22
94	Transcription-coupled nucleotide excision repair: New insights revealed by genomic approaches. <i>DNA Repair</i> , 2021, 103, 103126.	2.8	22
95	S-nitrosation on zinc finger motif of PARP-1 as a mechanism of DNA repair inhibition by arsenite. <i>Oncotarget</i> , 2016, 7, 80482-80492.	1.8	22
96	Interaction of caveolin-1, nitric oxide, and nitric oxide synthases in hypoxic human SKNSH neuroblastoma cells. <i>Journal of Neurochemistry</i> , 2008, 107, 478-487.	3.9	21
97	Inhibition of gp91phox contributes towards normobaric hyperoxia afforded neuroprotection in focal cerebral ischemia. <i>Brain Research</i> , 2010, 1348, 174-180.	2.2	21
98	Arsenic exposures alter clinical indicators of anemia in a male population of smokers and non-smokers in Bangladesh. <i>Toxicology and Applied Pharmacology</i> , 2017, 331, 62-68.	2.8	21
99	Differential sensitivities of cellular XPA and PARP-1 to arsenite inhibition and zinc rescue. <i>Toxicology and Applied Pharmacology</i> , 2017, 331, 108-115.	2.8	21
100	Zinc accumulation in mitochondria promotes ischemia-induced BBB disruption through Drp1-dependent mitochondria fission. <i>Toxicology and Applied Pharmacology</i> , 2019, 377, 114601.	2.8	21
101	AUF-1 mediates inhibition by nitric oxide of lipopolysaccharide-induced matrix metalloproteinase-9 expression in cultured astrocytes. <i>Journal of Neuroscience Research</i> , 2006, 84, 360-369.	2.9	20
102	Differential expression of tissue inhibitor of metalloproteinases-3 in cultured astrocytes and neurons regulates the activation of matrix metalloproteinase-2. <i>Journal of Neuroscience Research</i> , 2007, 85, 829-836.	2.9	20
103	Monomethylarsonous acid (MMA <sup>+3</sup> ) Inhibits IL-7 Signaling in Mouse Pre-B Cells. <i>Toxicological Sciences</i> , 2016, 149, 289-299.	3.1	20
104	Kinetics and thermodynamics of zinc(II) and arsenic(III) binding to XPA and PARP-1 zinc finger peptides. <i>Journal of Inorganic Biochemistry</i> , 2016, 163, 45-52.	3.5	20
105	Low level arsenite exposures suppress the development of bone marrow erythroid progenitors and result in anemia in adult male mice. <i>Toxicology Letters</i> , 2017, 273, 106-111.	0.8	19
106	Inhibition of red blood cell development by arsenic-induced disruption of GATA-1. <i>Scientific Reports</i> , 2020, 10, 19055.	3.3	18
107	Peroxynitrite contributes to arsenic-induced PARP-1 inhibition through ROS/RNS generation. <i>Toxicology and Applied Pharmacology</i> , 2019, 378, 114602.	2.8	17
108	Environmentally relevant concentrations of arsenite and monomethylarsonous acid inhibit IL-7/STAT5 cytokine signaling pathways in mouse CD3+CD4-CD8- double negative thymus cells. <i>Toxicology Letters</i> , 2016, 247, 62-68.	0.8	16

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109	Editorâ€™s Highlight: Interactive Genotoxicity Induced by Environmentally Relevant Concentrations of Benzo(a)Pyrene Metabolites and Arsenite in Mouse Thymus Cells. <i>Toxicological Sciences</i> , 2016, 154, 153-161.	3.1	16
110	High-performance liquid chromatography study of the pharmacokinetics of various spin traps for application to in vivo spin trapping. <i>Free Radical Biology and Medicine</i> , 1999, 27, 82-89.	2.9	15
111	Xanthine oxidase activates pro-matrix metalloproteinase-2 in cultured rat vascular smooth muscle cells through non-free radical mechanisms. <i>Archives of Biochemistry and Biophysics</i> , 2004, 426, 11-17.	3.0	15
112	In vivo evidence of methamphetamine induced attenuation of brain tissue oxygenation as measured by EPR oximetry. <i>Toxicology and Applied Pharmacology</i> , 2014, 275, 73-78.	2.8	15
113	In vivo EPR oximetry using an isotopically-substituted nitroxide: Potential for quantitative measurement of tissue oxygen. <i>Journal of Magnetic Resonance</i> , 2016, 271, 68-74.	2.1	15
114	Induction of heme oxygenase 1 by arsenite inhibits cytokine-induced monocyte adhesion to human endothelial cells. <i>Toxicology and Applied Pharmacology</i> , 2009, 236, 202-209.	2.8	14
115	Nicotinamide Phosphoribosyltransferase Upregulation by Phenylephrine Reduces Radiation Injury in Submandibular Gland. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 96, 538-546.	0.8	14
116	Genotoxicity induced by monomethylarsonous acid (MMA +3 ) in mouse thymic developing T cells. <i>Toxicology Letters</i> , 2017, 279, 60-66.	0.8	14
117	Minimal uranium accumulation in lymphoid tissues following an oral 60-day uranyl acetate exposure in male and female C57BL/6J mice. <i>PLoS ONE</i> , 2018, 13, e0205211.	2.5	14
118	Inhibition of nicotinamide phosphoribosyltransferase and depletion of nicotinamide adenine dinucleotide contribute to arsenic trioxide suppression of oral squamous cell carcinoma. <i>Toxicology and Applied Pharmacology</i> , 2017, 331, 54-61.	2.8	13
119	Phenylephrine Alleviates <sup>131</sup> I Radiation Damage in Submandibular Gland Through Maintaining Mitochondrial Homeostasis. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 104, 644-655.	0.8	12
120	Serum Occludin as a Biomarker to Predict the Severity of Acute Ischemic Stroke, Hemorrhagic Transformation, and Patient Prognosis. , 2020, 11, 1395.		12
121	Comparison of Two Nitroxide Labile Esters for Delivering Electron Paramagnetic Resonance Probes into Mouse Brain. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 3594-3600.	3.3	11
122	Extended normobaric hyperoxia therapy yields greater neuroprotection for focal transient ischemia-reperfusion in rats. <i>Medical Gas Research</i> , 2014, 4, 14.	2.3	11
123	Effect of Phenylephrine Pretreatment on the Expressions of Aquaporin 5 and c-Jun N-Terminal Kinase in Irradiated Submandibular Gland. <i>Radiation Research</i> , 2015, 183, 693-700.	1.5	11
124	Arsenic trioxide disturbs the LIS1/NDEL1/dynein microtubule dynamic complex by disrupting the CLIP170 zinc finger in head and neck cancer. <i>Toxicology and Applied Pharmacology</i> , 2020, 403, 115158.	2.8	11
125	Direct Visualization of Trapped Erythrocytes in Rat Brain After Focal Ischemia and Reperfusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002, , 1222-1230.	4.3	11
126	Highly sensitive free radical detection by nitron-functionalized gold nanoparticles. <i>Nanoscale</i> , 2014, 6, 1646-1652.	5.6	10

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127	Efflux Transporters Regulate Arsenite-Induced Genotoxicity in Double Negative and Double Positive T Cells. <i>Toxicological Sciences</i> , 2017, 158, 127-139.	3.1	10
128	Zinc causes the death of hypoxic astrocytes by inducing ROS production through mitochondria dysfunction. <i>Biophysics Reports</i> , 2019, 5, 209-217.	0.8	10
129	Effects of Ketamine/Xylazine and Pentobarbital Anesthesia on Cerebral Tissue Oxygen Tension, Blood Pressure, and Arterial Blood Gas in Rats. <i>Advances in Experimental Medicine and Biology</i> , 1999, 471, 189-198.	1.6	10
130	Arsenite Interacts with Dibenzo[def,p]chrysene (DBC) at Low Levels to Suppress Bone Marrow Lymphoid Progenitors in Mice. <i>Biological Trace Element Research</i> , 2015, 166, 82-88.	3.5	9
131	Serum Occludin Level Combined With NIHSS Score Predicts Hemorrhage Transformation in Ischemic Stroke Patients With Reperfusion. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 714171.	3.7	9
132	Particulate Hexavalent Chromium Inhibits E2F1 Leading to Reduced RAD51 Nuclear Foci Formation in Human Lung Cells. <i>Toxicological Sciences</i> , 2021, 181, 35-46.	3.1	8
133	Arsenite and monomethylarsonous acid disrupt erythropoiesis through combined effects on differentiation and survival pathways in early erythroid progenitors. <i>Toxicology Letters</i> , 2021, 350, 111-120.	0.8	6
134	ZNT-1 Expression Reduction Enhances Free Zinc Accumulation in Astrocytes After Ischemic Stroke. <i>Acta Neurochirurgica Supplementum</i> , 2016, 121, 257-261.	1.0	6
135	Normobaric hyperoxia plays a neuroprotective role after cerebral ischemia by maintaining the redox homeostasis and the level of connexin43 in astrocytes. <i>CNS Neuroscience and Therapeutics</i> , 2022, 28, 1509-1518.	3.9	5
136	Minimal uranium immunotoxicity following a 60-day drinking water exposure to uranyl acetate in male and female C57BL/6J mice. <i>Toxicology and Applied Pharmacology</i> , 2019, 372, 33-39.	2.8	4
137	Modulation of PARP activity by Monomethylarsonous (MMA+3) acid and uranium in mouse thymus. <i>Toxicology and Applied Pharmacology</i> , 2021, 411, 115362.	2.8	4
138	Uranium directly interacts with the DNA repair protein poly (ADP-ribose) polymerase 1. <i>Toxicology and Applied Pharmacology</i> , 2021, 410, 115360.	2.8	4
139	Arsenite exposure inhibits the erythroid differentiation of human hematopoietic progenitor CD34+ cells and causes decreased levels of hemoglobin. <i>Scientific Reports</i> , 2021, 11, 22121.	3.3	4
140	Low frequency epr surface probe based on dielectric resonator. <i>Research on Chemical Intermediates</i> , 1996, 22, 539-547.	2.7	2
141	Phenylephrine alleviates 131I damage in submandibular gland through promoting endogenous stem cell regeneration via lissencephaly-1 upregulation. <i>Toxicology and Applied Pharmacology</i> , 2020, 396, 114999.	2.8	2
142	MMP-2/9-cleaved occludin promotes endothelial cell death in ischemic stroke. <i>Brain Hemorrhages</i> , 2021, 2, 63-70.	1.0	2
143	Endogenous zinc protoporphyrin formation critically contributes to hemorrhagic stroke-induced brain damage. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 3232-3247.	4.3	2
144	In vivo electron paramagnetic resonance oximetry and applications in the brain. <i>Medical Gas Research</i> , 2017, 7, 56.	2.3	2

#	ARTICLE	IF	CITATIONS
145	The alternative strategy for designing covalent drugs through kinetic effects of pi-stacking on the self-assembled nanoparticles: a model study with antibiotics. <i>Nanotechnology</i> , 2016, 27, 445101.	2.6	1
146	A Review of Low-Frequency EPR Technology for the Measurement of Brain pO <sub>2</sub> and Oxidative Stress. <i>Applied Magnetic Resonance</i> , 2021, 52, 1379-1394.	1.2	1
147	Pathophysiological role of zinc in ischemic brain injury. <i>Oncotarget</i> , 2017, 8, 5670-5671.	1.8	1
148	Response to Letter by Hadjiev and Mineva. <i>Stroke</i> , 2009, 40, e637.	2.0	0
149	Dual Roles of Nicotinamide Phosphoribosyltransferase as a Promising Target for Cancer Radiotherapy. <i>Radiation Research</i> , 2021, 196, 429-435.	1.5	0
150	Enhanced ROS production and redox signaling with combined arsenite and UVA exposures. <i>FASEB Journal</i> , 2009, 23, 706.2.	0.5	0
151	Abstract TP108: Blood Occludin Level Indicates the Extent of Early Blood Brain Barrier Damage in Ischemic Stroke. <i>Stroke</i> , 2016, 47, .	2.0	0