Qiao Niu

List of Publications by Year
in descending order

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Version: 2024-02-01

81	1,590	304743 22	395702 33
papers	citations	h-index	g-index

100	100	100	1919
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Engineered metal based nanoparticles and innate immunity. Clinical and Molecular Allergy, 2015, 13, 13.	1.8	79
2	Benzo[a]pyrene-induced neurobehavioral function and neurotransmitter alterations in coke oven workers. Occupational and Environmental Medicine, 2010, 67, 444-448.	2.8	67
3	Health benefits of improving air quality in Taiyuan, China. Environment International, 2014, 73, 235-242.	10.0	63
4	Overview of the Relationship Between Aluminum Exposure and Health of Human Being. Advances in Experimental Medicine and Biology, 2018, 1091, 1-31.	1.6	54
5	Palladium Nanoparticles Induce Disturbances in Cell Cycle Entry and Progression of Peripheral Blood Mononuclear Cells: Paramount Role of Ions. Journal of Immunology Research, 2014, 2014, 1-8.	2.2	51
6	A comprehensive study on neurobehavior, neurotransmitters and lymphocyte subsets alteration of Chinese manganese welding workers. Life Sciences, 2006, 78, 1324-1328.	4.3	48
7	Effects of Aluminium on Î²-Amyloid (1â€“42) and Secretases (APP-Cleaving Enzymes) in Rat Brain. Neurochemical Research, 2014, 39, 1338-1345.	3.3	47
8	The neurobehavioral impact of manganese: Results and challenges obtained by a meta-analysis of individual participant data. NeuroToxicology, 2013, 36, 1-9.	3.0	45
9	Aluminium-Maltolate-induced Impairment of Learning, Memory and Hippocampal Long-term Potentiation in Rats. Industrial Health, 2012, 50, 428-436.	1.0	42
10	Cognitive Disorders and Tau-Protein Expression Among Retired Aluminum Smelting Workers. Journal of Occupational and Environmental Medicine, 2014, 56, 155-160.	1.7	41
11	Exposure to Alumina Nanoparticles in Female Mice During Pregnancy Induces Neurodevelopmental Toxicity in the Offspring. Frontiers in Pharmacology, 2018, 9, 253.	3.5	41
12	Long-term resveratrol consumption protects ovariectomized rats chronically treated with d-galactose from developing memory decline without effects on the uterus. Brain Research, 2012, 1467, 67-80.	2.2	40
13	The relationship between Bcl-2 gene expression and learning & memory impairment in chronic aluminum-exposed rats. Neurotoxicity Research, 2007, 12, 163-169.	2.7	35
14	Effects of perfluorooctane sulfonate and its alternatives on long-term potentiation in the hippocampus CA1 region of adult rats in vivo. Toxicology Research, 2016, 5, 539-546.	2.1	35
15	Caspase-3 is Involved in Aluminum-Induced Impairment of Long-Term Potentiation in Rats Through the Akt/GSK-3Î² Pathway. Neurotoxicity Research, 2016, 29, 484-494.	2.7	34
16	Aluminum-Induced Synaptic Plasticity Impairment via PI3K-Akt-mTOR Signaling Pathway. Neurotoxicity Research, 2020, 37, 996-1008.	2.7	34
17	The Relationship Between Cognitive Impairment and Global DNA Methylation Decrease Among Aluminum Potroom Workers. Journal of Occupational and Environmental Medicine, 2015, 57, 713-717.	1.7	32
18	Lactation exposure to BDE-153 damages learning and memory, disrupts spontaneous behavior and induces hippocampus neuron death in adult rats. Brain Research, 2013, 1517, 44-56.	2.2	30

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19	Prenatal polycyclic aromatic hydrocarbons metabolites, cord blood telomere length, and neonatal neurobehavioral development. Environmental Research, 2019, 174, 105-113.	7.5	28
20	Alumina at 50 and 13â€‰nm nanoparticle sizes have potential genotoxicity. Journal of Applied Toxicology, 2017, 37, 1053-1064.	2.8	27
21	Aluminum-Induced Cognitive Impairment and PI3K/Akt/mTOR Signaling Pathway Involvement in Occupational Aluminum Workers. Neurotoxicity Research, 2020, 38, 344-358.	2.7	27
22	Comparative toxicity and apoptosis induced by diorganotins in rat pheochromocytoma (PC12) cells. Food and Chemical Toxicology, 2013, 60, 302-308.	3.6	24
23	Increased aluminum and lithium and decreased zinc levels in plasma is related to cognitive impairment in workers at an aluminum factory in China: A cross-sectional study. Ecotoxicology and Environmental Safety, 2021, 214, 112110.	6.0	24
24	Aluminium-induced synaptic plasticity injury via the PHF8â€“H3K9me2-BDNF signalling pathway. Chemosphere, 2020, 244, 125445.	8.2	23
25	Toxicity of alumina nanoparticles in the immune system of mice. Nanomedicine, 2020, 15, 927-946.	3.3	23
26	Effects of Benzo[a]pyrene on Autonomic Nervous System of Coke Oven Workers. Journal of Occupational Health, 2008, 50, 308-316.	2.1	21
27	Tau Hyperphosphorylation is Associated with Spatial Learning and Memory After Exposure to Benzo[a]pyrene in SD Rats. Neurotoxicity Research, 2013, 24, 461-471.	2.7	20
28	The associations between prenatal exposure to polycyclic aromatic hydrocarbon metabolites, umbilical cord blood mitochondrial DNA copy number, and childrenâ€™s neurobehavioral development. Environmental Pollution, 2020, 265, 114594.	7.5	20
29	Genotoxicity and Immunotoxicity of Titanium Dioxide-Embedded Mesoporous Silica Nanoparticles (TiO2@MSN) in Primary Peripheral Human Blood Mononuclear Cells (PBMC). Nanomaterials, 2021, 11, 270.	4.1	20
30	Cobalt magnetic nanoparticles as theranostics: Conceivable or forgettable?. Nanotechnology Reviews, 2020, 9, 1522-1538.	5.8	19
31	Caspase-3 Short Hairpin RNAs: A Potential Therapeutic Agent in Neurodegeneration of Aluminum-Exposed Animal Model. Current Alzheimer Research, 2014, 11, 961-970.	1.4	18
32	Involvement of Mitophagy in Aluminum Oxide Nanoparticleâ€“Induced Impairment of Learning and Memory in Mice. Neurotoxicity Research, 2021, 39, 378-391.	2.7	18
33	Novel interventions targeting on apoptosis and necrosis induced by aluminum chloride in neuroblastoma cells. Journal of Biological Regulators and Homeostatic Agents, 2010, 24, 137-48.	0.7	18
34	The Relationship between Plasma Al Levels and Multi-domain Cognitive Performance among In-service Aluminum-exposed Workers at the SH Aluminum Factory in China: A Cross-sectional Study. NeuroToxicology, 2020, 76, 144-152.	3.0	17
35	Progressive impairment of learning and memory in adult zebrafish treated by Al2O3 nanoparticles when in embryos. Chemosphere, 2020, 254, 126608.	8.2	17
36	Maternal urinary 2-hydroxynaphthalene and birth outcomes in Taiyuan, China. Environmental Health, 2018, 17, 91.	4.0	16

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37	Effects of Chronic Aluminum Lactate Exposure on Neuronal Apoptosis and Hippocampal Synaptic Plasticity in Rats. Biological Trace Element Research, 2020, 197, 571-579.	3.5	16
38	Effects of exposure to aluminum on long-term potentiation and AMPA receptor subunits in rats in vivo. Biomedical and Environmental Sciences, 2014, 27, 77-84.	0.2	16
39	Role of MLL in the modification of H3K4me3 in aluminium-induced cognitive dysfunction. Chemosphere, 2019, 232, 121-129.	8.2	15
40	Deferoxamine ameliorated Al(mal)‹sub›3‹/sub›-induced neuronal ferroptosis in adult rats by chelating brain iron to attenuate oxidative damage. Toxicology Mechanisms and Methods, 2022, 32, 530-541.	2.7	15
41	Necrostatin-1 Relieves Learning and Memory Deficits in a Zebrafish Model of Alzheimerâ€™s Disease Induced by Aluminum. Neurotoxicity Research, 2022, 40, 198-214.	2.7	14
42	Calpain-2/p35-p25/Cdk5 pathway is involved in the neuronal apoptosis induced by polybrominated diphenyl ether-153. Toxicology Letters, 2017, 277, 41-53.	0.8	13
43	Transcriptome-Wide Identification of Differentially Expressed Genes and Long Non-coding RNAs in Aluminum-Treated Rat Hippocampus. Neurotoxicity Research, 2018, 34, 220-232.	2.7	13
44	Cognitive impairment of workers in a large-scale aluminium factory in China: a cross-sectional study. BMJ Open, 2019, 9, e027154.	1.9	13
45	Effect of Aluminum-Maltolate on the Content of AÎ² Protein and the Expression of ApoER2, VLDLRs, and LRP1 in PC12-ApoE4 Cells. Neurotoxicity Research, 2019, 35, 931-944.	2.7	13
46	Aluminum-induced â€œmixedâ€•cell death in mice cerebral tissue and potential intervention. Neurotoxicity Research, 2020, 37, 835-846.	2.7	13
47	Role of mGluR 1 in synaptic plasticity impairment induced by maltol aluminium in rats. Environmental Toxicology and Pharmacology, 2020, 78, 103406.	4.0	13
48	Aluminum maltolate triggers ferroptosis in neurons: mechanism of action. Toxicology Mechanisms and Methods, 2021, 31, 33-42.	2.7	13
49	Longitudinal study of the effects of occupational aluminium exposure on workersâ€™ cognition. Chemosphere, 2021, 271, 129569.	8.2	13
50	Oxidative and nitrosative stress in the neurotoxicity of polybrominated diphenyl ether-153: possible mechanism and potential targeted intervention. Chemosphere, 2020, 238, 124602.	8.2	12
51	Whole-transcriptome analysis of aluminum-exposed rat hippocampus and identification of ceRNA networks to investigate neurotoxicity of Al. Molecular Therapy - Nucleic Acids, 2021, 26, 1401-1417.	5.1	12
52	Cross-sectional study based on occupational aluminium exposure population. Environmental Toxicology and Pharmacology, 2021, 83, 103581.	4.0	11
53	Impact of sub-chronic aluminium-maltolate exposure on catabolism of amyloid precursor protein in rats. Biomedical and Environmental Sciences, 2013, 26, 445-52.	0.2	11
54	Developmental perfluorooctane sulfonate exposure inhibits long-term potentiation by affecting AMPA receptor trafficking. Toxicology, 2019, 412, 55-62.	4.2	10

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55	Effect of aluminum combined with ApoEÎµ4 on Tau phosphorylation and AÎ² deposition. Journal of Trace Elements in Medicine and Biology, 2021, 64, 126700.	3.0	9
56	miR-29a/b1 Regulates BACE1 in Aluminum-Induced AÎ² Deposition in Vitro. ACS Chemical Neuroscience, 2021, 12, 3250-3265.	3.5	9
57	Statistical means to enhance the comparability of data within a pooled analysis of individual data in neurobehavioral toxicology. Toxicology Letters, 2011, 206, 144-151.	0.8	8
58	Association of Aryl Hydrocarbon Receptor Gene Polymorphism With the Neurobehavioral Function and Autonomic Nervous System Function Changes Induced by Benzo[a]Pyrene Exposure in Coke Oven Workers. Journal of Occupational and Environmental Medicine, 2013, 55, 265-271.	1.7	8
59	Effects of Al Exposure on Mitochondrial Dynamics in Rat Hippocampus. Neurotoxicity Research, 2019, 36, 334-346.	2.7	8
60	Endoplasmic reticulum rather than mitochondria plays a major role in the neuronal apoptosis induced by polybrominated diphenyl ether-153. Toxicology Letters, 2019, 311, 37-48.	0.8	8
61	The GSK-3Î²/Î²-Catenin Signalingâ€“Mediated Brainâ€“Derived Neurotrophic Factor Pathway Is Involved in Aluminum-Induced Impairment of Hippocampal LTP In Vivo. Biological Trace Element Research, 2021, 199, 4635-4645.	3.5	8
62	Phosphorylation of p53 by Cdk5 contributes to benzo[a]pyreneâ€induced neuronal apoptosis. Environmental Toxicology, 2022, 37, 17-27.	4.0	7
63	Mechanism by Which Aluminum Regulates the Abnormal Phosphorylation of the Tau Protein in Different Cell Lines. ACS Omega, 2021, 6, 31782-31796.	3.5	7
64	Neurotrophins and cholinergic enzyme regulated by calpain-2: New insights into neuronal apoptosis induced by polybrominated diphenyl ether-153. Toxicology Letters, 2018, 291, 29-38.	0.8	6
65	The Role of PKC in Regulating NMDARs in Aluminum-Induced Learning and Memory Impairment in Rats. Neurotoxicity Research, 2021, 39, 2042-2055.	2.7	6
66	The RAS/PI3K Pathway is Involved in the Impairment of Long-term Potentiation Induced by Acute Aluminum Treatment in Rats. Biomedical and Environmental Sciences, 2016, 29, 782-789.	0.2	6
67	Therapeutic potential of BAK gene silencing in aluminum induced neural cell degeneration. Journal of Inorganic Biochemistry, 2009, 103, 1514-1520.	3.5	5
68	Characteristic Analysis of Peripheral Blood Mononuclear Cell Apoptosis in Coke Oven Workers. Journal of Occupational Health, 2012, 54, 44-50.	2.1	5
69	Relationship between occupational aluminium exposure and histone lysine modification through methylation. Journal of Trace Elements in Medicine and Biology, 2020, 61, 126551.	3.0	5
70	Relationship between the expression of TNFR1-RIP1/RIP3 in peripheral blood and cognitive function in occupational Al-exposed workers: A mediation effect study. Chemosphere, 2021, 278, 130484.	8.2	5
71	Regulation of mGluR1 on the Expression of PKC and NMDAR in Aluminum-Exposed PC12 Cells. Neurotoxicity Research, 2021, 39, 634-644.	2.7	5
72	Aluminum Induced Necroptosis of PC12 Cells via TNFR1-RIP1/RIP3 Signalling Pathway. Neurochemical Research, 2022, 47, 3037-3050.	3.3	5

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73	miR-29a and the PTENâ€“GSK3Î² axis are involved in aluminum-induced damage to primary hippocampal neuronal networks. Ecotoxicology and Environmental Safety, 2021, 224, 112701.	6.0	4
74	Blood pressure mediated the effects of cognitive function impairment related to aluminum exposure in Chinese aluminum smelting workers. NeuroToxicology, 2022, 91, 269-281.	3.0	3
75	Blood glucose mediated the effects of cognitive function impairment related to aluminum exposure in Chinese aluminum smelting workers. NeuroToxicology, 2022, 91, 282-289.	3.0	3
76	Cognitive Status of Electrolytic Aluminum Workers: A Cross-sectional Study Using Cognitive Screening Tests. Biomedical and Environmental Sciences, 2019, 32, 869-873.	0.2	2
77	P2-039: CASPASE-3 SHORT HAIRPIN RNA INTERFERENCE: TARGETING OF AN ALUMINIUM-LESIONED ANIMAL MODEL FOR ALZHEIMER'S DISEASE. , 2014, 10, P484-P484.		1
78	Effects of work schedule and period of exposure on changes in urinary chromium and nickel excretion among rotating shift workers in a stainless-steel plant. Chronobiology International, 2019, 36, 1439-1446.	2.0	1
79	The association between blood lymphocyte NMDAR, group I mGluRs and cognitive function changes in occupationally aluminum-exposed workers and verification in rats. Journal of Trace Elements in Medicine and Biology, 2022, 69, 126875.	3.0	1
80	A study on cognitive impairment of mice exposed to nano-alumina particles by nasal drip. Journal of Trace Elements in Medicine and Biology, 2022, 73, 127003.	3.0	1
81	Aluminum inhibits non-amyloid pathways via retinoic acid receptor. Journal of Trace Elements in Medicine and Biology, 2022, 69, 126902.	3.0	0