

Zhuo Yang

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

150
papers

3,043
citations

31
h-index

47
g-index

156
ext. papers

3,499
ext. citations

4.5
avg, IF

5.48
L-index

#	Paper	IF	Citations
150	Oxidative stress and apoptosis induced by nanosized titanium dioxide in PC12 cells. <i>Toxicology</i> , 2010 , 267, 172-7	4.4	178
149	Influences of nanoparticle zinc oxide on acutely isolated rat hippocampal CA3 pyramidal neurons. <i>NeuroToxicology</i> , 2009 , 30, 220-30	4.4	129
148	Action potential changes associated with the inhibitory effects on voltage-gated sodium current of hippocampal CA1 neurons by silver nanoparticles. <i>Toxicology</i> , 2009 , 264, 179-84	4.4	96
147	Cognitive impairment in rats induced by nano-CuO and its possible mechanisms. <i>Toxicology Letters</i> , 2012 , 213, 220-7	4.4	91
146	Toxicology of nanosized titanium dioxide: an update. <i>Archives of Toxicology</i> , 2015 , 89, 2207-17	5.8	82
145	Protective effects of exogenous hydrogen sulfide on neurons of hippocampus in a rat model of brain ischemia. <i>Neurochemical Research</i> , 2011 , 36, 1840-9	4.6	80
144	In vitro toxicity of multi-walled carbon nanotubes in C6 rat glioma cells. <i>NeuroToxicology</i> , 2012 , 33, 1128-34	4.4	74
143	The possible mechanism of silver nanoparticle impact on hippocampal synaptic plasticity and spatial cognition in rats. <i>Toxicology Letters</i> , 2012 , 209, 227-31	4.4	74
142	Effects of nanoparticle zinc oxide on spatial cognition and synaptic plasticity in mice with depressive-like behaviors. <i>Journal of Biomedical Science</i> , 2012 , 19, 14	13.3	66
141	Nano-zinc oxide damages spatial cognition capability via over-enhanced long-term potentiation in hippocampus of Wistar rats. <i>International Journal of Nanomedicine</i> , 2011 , 6, 1453-61	7.3	58
140	Autophagy ameliorates cognitive impairment through activation of PVT1 and apoptosis in diabetes mice. <i>Behavioural Brain Research</i> , 2016 , 305, 265-77	3.4	53
139	Melamine induced cognitive impairment associated with oxidative damage in rat's hippocampus. <i>Pharmacology Biochemistry and Behavior</i> , 2012 , 102, 196-202	3.9	52
138	Cognitive deficits induced by melamine in rats. <i>Toxicology Letters</i> , 2011 , 206, 276-80	4.4	52
137	Oxidative stress and apoptosis induced by hydroxyapatite nanoparticles in C6 cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2012 , 100, 738-45	5.4	50
136	In vitro study on influence of nano particles of CuO on CA1 pyramidal neurons of rat hippocampus potassium currents. <i>Environmental Toxicology</i> , 2009 , 24, 211-7	4.2	50
135	L-3-n-butylphthalide improves cognitive deficits in rats with chronic cerebral ischemia. <i>Neuropharmacology</i> , 2012 , 62, 2424-9	5.5	49
134	Nanosized copper oxide induces apoptosis through oxidative stress in podocytes. <i>Archives of Toxicology</i> , 2013 , 87, 1067-73	5.8	48

133	Effects of ROS-relative NF- κ B signaling on high glucose-induced TLR4 and MCP-1 expression in podocyte injury. <i>Molecular Immunology</i> , 2015 , 68, 261-71	4.3	46
132	Zinc oxide nanoparticles induce renal toxicity through reactive oxygen species. <i>Food and Chemical Toxicology</i> , 2016 , 90, 76-83	4.7	46
131	Neuropeptides, amines and amino acids as mediators of the sympathetic effects of paraventricular nucleus activation in the rat. <i>Experimental Physiology</i> , 2002 , 87, 663-74	2.4	43
130	Nano-TiO induces autophagy to protect against cell death through antioxidative mechanism in podocytes. <i>Cell Biology and Toxicology</i> , 2016 , 32, 513-527	7.4	41
129	Melamine impairs spatial cognition and hippocampal synaptic plasticity by presynaptic inhibition of glutamatergic transmission in infant rats. <i>Toxicology</i> , 2011 , 289, 167-74	4.4	40
128	Nano copper induced apoptosis in podocytes via increasing oxidative stress. <i>Journal of Hazardous Materials</i> , 2012 , 241-242, 279-86	12.8	39
127	Impairments of behavior, information flow between thalamus and cortex, and prefrontal cortical synaptic plasticity in an animal model of depression. <i>Brain Research Bulletin</i> , 2011 , 85, 109-16	3.9	39
126	Melamine induced spatial cognitive deficits associated with impairments of hippocampal long-term depression and cholinergic system in Wistar rats. <i>Neurobiology of Learning and Memory</i> , 2013 , 100, 18-24 ^{3.1}		37
125	Imbalanced synaptic plasticity induced spatial cognition impairment in male offspring rats treated with chronic prenatal ethanol exposure. <i>Alcoholism: Clinical and Experimental Research</i> , 2013 , 37, 763-70 ^{3.7}		37
124	Role of GABA and NO in the paraventricular nucleus-mediated reflex inhibition of renal sympathetic nerve activity following stimulation of right atrial receptors in the rat. <i>Experimental Physiology</i> , 2003 , 88, 335-42	2.4	37
123	Induction of apoptosis by melamine in differentiated PC12 cells. <i>Cellular and Molecular Neurobiology</i> , 2011 , 31, 65-71	4.6	36
122	Effect of melamine on potassium currents in rat hippocampal CA1 neurons. <i>Toxicology in Vitro</i> , 2010 , 24, 397-403	3.6	35
121	Cognitive deficits induced by multi-walled carbon nanotubes via the autophagic pathway. <i>Toxicology</i> , 2015 , 337, 21-9	4.4	33
120	Rapamycin Effectively Impedes Melamine-Induced Impairments of Cognition and Synaptic Plasticity in Wistar Rats. <i>Molecular Neurobiology</i> , 2017 , 54, 819-832	6.2	32
119	Action potential changes associated with impairment of functional properties of sodium channels in hippocampal neurons induced by melamine. <i>Toxicology Letters</i> , 2010 , 198, 171-6	4.4	31
118	Nano-CuO inhibited voltage-gated sodium current of hippocampal CA1 neurons via reactive oxygen species but independent from G-proteins pathway. <i>Journal of Applied Toxicology</i> , 2011 , 31, 439-45	4.1	29
117	Effect of alpha-cypermethrin and theta-cypermethrin on delayed rectifier potassium currents in rat hippocampal neurons. <i>NeuroToxicology</i> , 2009 , 30, 269-73	4.4	29
116	Heat stress preconditioning improves cognitive outcome after diffuse axonal injury in rats. <i>Journal of Neurotrauma</i> , 2009 , 26, 1695-706	5.4	28

115	Autophagy Alleviates Melamine-Induced Cell Death in PC12 Cells Via Decreasing ROS Level. <i>Molecular Neurobiology</i> , 2016 , 53, 1718-1729	6.2	27
114	The inhibitory effects of nano-Ag on voltage-gated potassium currents of hippocampal CA1 neurons. <i>Environmental Toxicology</i> , 2011 , 26, 552-8	4.2	26
113	Hydrogen Sulfide Prevents Synaptic Plasticity from VD-Induced Damage via Akt/GSK-3 β Pathway and Notch Signaling Pathway in Rats. <i>Molecular Neurobiology</i> , 2016 , 53, 4159-4172	6.2	23
112	Hydroxysafflor yellow A improves learning and memory in a rat model of vascular dementia by increasing VEGF and NR1 in the hippocampus. <i>Neuroscience Bulletin</i> , 2014 , 30, 417-24	4.3	23
111	Multi-walled carbon nanotube increases the excitability of hippocampal CA1 neurons through inhibition of potassium channels in rat's brain slices. <i>Toxicology Letters</i> , 2013 , 217, 121-8	4.4	23
110	Triptolide Inhibited Cytotoxicity of Differentiated PC12 Cells Induced by Amyloid-Beta $25-35$ via the Autophagy Pathway. <i>PLoS ONE</i> , 2015 , 10, e0142719	3.7	23
109	Protective effect of trifluoperazine on hydrogen peroxide-induced apoptosis in PC12 cells. <i>Brain Research Bulletin</i> , 2011 , 84, 183-8	3.9	23
108	Involvement of nitric oxide in spatial memory deficits in status epilepticus rats. <i>Neurochemical Research</i> , 2007 , 32, 1875-83	4.6	23
107	Maternal Separation Induces Different Autophagic Responses in the Hippocampus and Prefrontal Cortex of Adult Rats. <i>Neuroscience</i> , 2018 , 374, 287-294	3.9	22
106	Nano-Ag inhibiting action potential independent glutamatergic synaptic transmission but increasing excitability in rat CA1 pyramidal neurons. <i>Nanotoxicology</i> , 2012 , 6, 414-23	5.3	22
105	Protective effects of leukemia inhibitory factor against oxidative stress during high glucose-induced apoptosis in podocytes. <i>Cell Stress and Chaperones</i> , 2012 , 17, 485-93	4	22
104	MKL1 inhibits cell cycle progression through p21 in podocytes. <i>BMC Molecular Biology</i> , 2015 , 16, 1	4.5	21
103	Gastrin-releasing peptide facilitates glutamatergic transmission in the hippocampus and effectively prevents vascular dementia induced cognitive and synaptic plasticity deficits. <i>Experimental Neurology</i> , 2017 , 287, 75-83	5.7	21
102	Inhibitory effect of tungsten carbide nanoparticles on voltage-gated potassium currents of hippocampal CA1 neurons. <i>Toxicology Letters</i> , 2012 , 209, 129-35	4.4	21
101	Effect of titanium dioxide nanoparticles on zebrafish embryos and developing retina. <i>International Journal of Ophthalmology</i> , 2014 , 7, 917-23	1.4	21
100	Neuroprotective Effects of Etidronate and 2,3,3-Trisphosphonate Against Glutamate-Induced Toxicity in PC12 Cells. <i>Neurochemical Research</i> , 2016 , 41, 844-54	4.6	20
99	Triptolide attenuated injury via inhibiting oxidative stress in Amyloid-Beta $25-35$ -treated differentiated PC12 cells. <i>Life Sciences</i> , 2016 , 145, 19-26	6.8	19
98	Etidronate rescues cognitive deficits through improving synaptic transmission and suppressing apoptosis in 2-vessel occlusion model rats. <i>Journal of Neurochemistry</i> , 2017 , 140, 476-484	6	19

97	Zinc ion as modulator effects on excitability and synaptic transmission in hippocampal CA1 neurons in Wistar rats. <i>Neuroscience Research</i> , 2010 , 68, 167-75	2.9	19
96	Peroxynitrite donor impairs excitability of hippocampal CA1 neurons by inhibiting voltage-gated potassium currents. <i>Toxicology Letters</i> , 2007 , 175, 8-15	4.4	18
95	Resveratrol Attenuates Aβ-induced Early Hippocampal Neuron Excitability Impairment via Recovery of Function of Potassium Channels. <i>Neurotoxicity Research</i> , 2017 , 32, 311-324	4.3	17
94	Deletion of asparagine endopeptidase reduces anxiety- and depressive-like behaviors and improves abilities of spatial cognition in mice. <i>Brain Research Bulletin</i> , 2018 , 142, 147-155	3.9	17
93	Propofol inhibits invasion and proliferation of C6 glioma cells by regulating the Ca permeable AMPA receptor-system x pathway. <i>Toxicology in Vitro</i> , 2017 , 44, 57-65	3.6	17
92	Sodium butyrate ameliorates the impairment of synaptic plasticity by inhibiting the neuroinflammation in 5XFAD mice. <i>Chemico-Biological Interactions</i> , 2021 , 341, 109452	5	17
91	Leonurine ameliorates cognitive dysfunction via antagonizing excitotoxic glutamate insults and inhibiting autophagy. <i>Phytomedicine</i> , 2016 , 23, 1638-1646	6.5	17
90	Autophagy is involved in mouse kidney development and podocyte differentiation regulated by Notch signalling. <i>Journal of Cellular and Molecular Medicine</i> , 2017 , 21, 1315-1328	5.6	16
89	Multi-walled carbon nanotube inhibits CA1 glutamatergic synaptic transmission in rat's hippocampal slices. <i>Toxicology Letters</i> , 2014 , 229, 423-9	4.4	16
88	Crosstalk between protective autophagy and NF-κB signal in high glucose-induced podocytes. <i>Molecular and Cellular Biochemistry</i> , 2014 , 394, 261-73	4.2	16
87	In vitro toxicity of nanosized copper particles in PC12 cells induced by oxidative stress. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1	2.3	16
86	Protective effects of YC-1 against glutamate induced PC12 cell apoptosis. <i>Cellular and Molecular Neurobiology</i> , 2011 , 31, 303-11	4.6	16
85	Autophagy is required for human umbilical cord mesenchymal stem cells to improve spatial working memory in APP/PS1 transgenic mouse model. <i>Stem Cell Research and Therapy</i> , 2018 , 9, 9	8.3	15
84	Graphene oxide enhances β-amyloid clearance by inducing autophagy of microglia and neurons. <i>Chemico-Biological Interactions</i> , 2020 , 325, 109126	5	15
83	The change of spatial cognition ability in depression rat model and the possible association with down-regulated protein expression of TRPC6. <i>Behavioural Brain Research</i> , 2015 , 294, 186-93	3.4	14
82	AG-1031 induced autophagic cell death and apoptosis in C6 glioma cells associated with Notch-1 signaling pathway. <i>Journal of Cellular Biochemistry</i> , 2018 , 119, 5893-5903	4.7	14
81	Myocardial infarction induces cognitive impairment by increasing the production of hydrogen peroxide in adult rat hippocampus. <i>Neuroscience Letters</i> , 2014 , 560, 112-6	3.3	14
80	Dulcitol suppresses proliferation and migration of hepatocellular carcinoma via regulating SIRT1/p53 pathway. <i>Phytomedicine</i> , 2020 , 66, 153112	6.5	14

79	Graphene Oxide Ameliorates the Cognitive Impairment Through Inhibiting PI3K/Akt/mTOR Pathway to Induce Autophagy in AD Mouse Model. <i>Neurochemical Research</i> , 2021 , 46, 309-325	4.6	14
78	Impaired hippocampal synaptic plasticity in C6 glioma-bearing rats. <i>Journal of Neuro-Oncology</i> , 2011 , 103, 469-77	4.8	13
77	Expression of TRPC6 in renal cortex and hippocampus of mouse during postnatal development. <i>PLoS ONE</i> , 2012 , 7, e38503	3.7	13
76	Paradoxical effects of VEGF on synaptic activity partially involved in notch1 signaling in the mouse hippocampus. <i>Hippocampus</i> , 2016 , 26, 589-600	3.5	13
75	Angiotensin II induces calcium-mediated autophagy in podocytes through enhancing reactive oxygen species levels. <i>Chemico-Biological Interactions</i> , 2017 , 277, 110-118	5	12
74	Effects of alpha- and theta-cypermethrin insecticide on transient outward potassium current in rat hippocampal CA3 neurons. <i>Pesticide Biochemistry and Physiology</i> , 2008 , 90, 1-7	4.9	12
73	The inhibitory effect of angiotensin II on BKCa channels in podocytes via oxidative stress. <i>Molecular and Cellular Biochemistry</i> , 2015 , 398, 217-22	4.2	11
72	U1 small nuclear RNA overexpression implicates autophagic-lysosomal system associated with AD. <i>Neuroscience Research</i> , 2018 , 136, 48-55	2.9	10
71	Developmental changes in the expression and function of TRPC6 channels related the F-actin organization during differentiation in podocytes. <i>Cell Calcium</i> , 2015 , 58, 541-8	4	10
70	Urethane suppresses hippocampal CA1 neuron excitability via changes in presynaptic glutamate release and in potassium channel activity. <i>Brain Research Bulletin</i> , 2012 , 87, 420-6	3.9	10
69	Multiscale Cross Entropy: A Novel Algorithm for Analyzing Two Time Series 2009 ,		10
68	MiRNA expression profile and miRNA-mRNA integrated analysis (MMIA) during podocyte differentiation. <i>Molecular Genetics and Genomics</i> , 2015 , 290, 863-75	3.1	9
67	Etidronate-zinc Complex Ameliorated Cognitive and Synaptic Plasticity Impairments in 2-Vessel Occlusion Model Rats by Reducing Neuroinflammation. <i>Neuroscience</i> , 2018 , 390, 206-217	3.9	9
66	The inhibition of BDNF/TrkB/PI3K/Akt signal mediated by AG1601 promotes apoptosis in malignant glioma. <i>Journal of Cellular Biochemistry</i> , 2019 , 120, 18771-18781	4.7	8
65	The possible relationship between expressions of TRPC3/5 channels and cognitive changes in rat model of chronic unpredictable stress. <i>Behavioural Brain Research</i> , 2015 , 290, 180-6	3.4	8
64	Early-stage dysfunction of hippocampal theta and gamma oscillations and its modulation of neural network in a transgenic 5xFAD mouse model. <i>Neurobiology of Aging</i> , 2020 , 94, 121-129	5.6	8
63	A New Rat Model of Chronic Cerebral Hypoperfusion Resulting in Early-Stage Vascular Cognitive Impairment. <i>Frontiers in Aging Neuroscience</i> , 2020 , 12, 86	5.3	8
62	miR-200 family promotes podocyte differentiation through repression of RSAD2. <i>Scientific Reports</i> , 2016 , 6, 27105	4.9	8

61	Annexin 1 inhibits remifentanil-induced hyperalgesia and NMDA receptor phosphorylation via regulating spinal CXCL12/CXCR4 in rats. <i>Neuroscience Research</i> , 2019 , 144, 48-55	2.9	8
60	Protective effects of bexarotene against amyloid- β 5-35-induced dysfunction in hippocampal neurons through the insulin signaling pathway. <i>Neurodegenerative Diseases</i> , 2014 , 14, 77-84	2.3	8
59	Peroxynitrite alters GABAergic synaptic transmission in immature rat hippocampal slices. <i>Neuroscience Research</i> , 2013 , 75, 210-7	2.9	8
58	Increased response to oxidative stress challenge of nano-copper-induced apoptosis in mesangial cells. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	8
57	Pretreatment-Etidronate Alleviates CoCl Induced-SH-SY5Y Cell Apoptosis via Decreased HIF-1 α and TRPC5 Channel Proteins. <i>Neurochemical Research</i> , 2019 , 44, 428-440	4.6	8
56	Improving mechanical properties of ramie/poly (lactic acid) composites by synergistic effect of fabric cyclic loading and alkali treatment. <i>Journal of Industrial Textiles</i> , 2017 , 47, 390-407	1.6	7
55	Transcranial Magneto-Acoustic Stimulation Improves Neuroplasticity in Hippocampus of Parkinson's Disease Model Mice. <i>Neurotherapeutics</i> , 2019 , 16, 1210-1224	6.4	7
54	MiR-429/200a/200b negatively regulate Notch1 signaling pathway to suppress CoCl-induced apoptosis in PC12 cells. <i>Toxicology in Vitro</i> , 2020 , 65, 104787	3.6	7
53	Voluntary running-enhanced synaptic plasticity, learning and memory are mediated by Notch1 signal pathway in C57BL mice. <i>Brain Structure and Function</i> , 2018 , 223, 749-767	4	7
52	Involvement of reactive oxygen species and high-voltage-activated calcium currents in nanoparticle zinc oxide-induced cytotoxicity in vitro. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1	2.3	7
51	Attenuated effect of tungsten carbide nanoparticles on voltage-gated sodium current of hippocampal CA1 pyramidal neurons. <i>Toxicology in Vitro</i> , 2013 , 27, 299-304	3.6	7
50	Rapamycin Activates Mitophagy and Alleviates Cognitive and Synaptic Plasticity Deficits in a Mouse Model of Alzheimer's Disease. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021 , 76, 1707-1713	6.4	7
49	Hydrogen sulfide alleviates the anxiety-like and depressive-like behaviors of type 1 diabetic mice via inhibiting inflammation and ferroptosis. <i>Life Sciences</i> , 2021 , 278, 119551	6.8	7
48	Neuroprotective Nanoscavenger Induces Coaggregation of β Amyloid and Facilitates Its Clearance in Alzheimer's Disease Brain. <i>CCS Chemistry</i> , 2021 , 3, 2316-2330	7.2	7
47	Hyperforin alleviates mood deficits of adult rats suffered from early separation. <i>Neuroscience Letters</i> , 2015 , 608, 1-5	3.3	6
46	AVNP2 protects against cognitive impairments induced by C6 glioma by suppressing tumour associated inflammation in rats. <i>Brain, Behavior, and Immunity</i> , 2020 , 87, 645-659	16.6	6
45	Neuroprotective effect of leukemia inhibitory factor on antimycin A-induced oxidative injury in differentiated PC12 cells. <i>Journal of Molecular Neuroscience</i> , 2013 , 50, 577-85	3.3	6
44	In vitro assessment of the effect of methylene blue on voltage-gated sodium channels and action potentials in rat hippocampal CA1 pyramidal neurons. <i>NeuroToxicology</i> , 2010 , 31, 724-9	4.4	6

43	The expression of EPOR in renal cortex during postnatal development. <i>PLoS ONE</i> , 2012 , 7, e41993	3.7	6
42	Tacrine accelerates spatial long-term memory via improving impaired neural oscillations and modulating GAD isomers including neuro-receptors in the hippocampus of APP/PS1 AD mice. <i>Brain Research Bulletin</i> , 2020 , 161, 166-176	3.9	5
41	Arginine vasopressin attenuates dysfunction of hippocampal theta and gamma oscillations in chronic cerebral hypoperfusion via V1a receptor. <i>Brain Research Bulletin</i> , 2019 , 153, 84-92	3.9	5
40	Developmental changes of BKCa channels depend on differentiation status in cultured podocytes. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2013 , 49, 205-11	2.6	5
39	Synchrony analysis between blood pressure and sympathetic nerve signal inhibited by atrial receptor stimulation in Wistar rats. <i>Experimental Physiology</i> , 2002 , 87, 461-8	2.4	5
38	Early intervention attenuates synaptic plasticity impairment and neuroinflammation in 5xFAD mice. <i>Journal of Psychiatric Research</i> , 2021 , 136, 204-216	5.2	5
37	Excessive corticosterone induces excitotoxicity of hippocampal neurons and sensitivity of potassium channels via insulin-signaling pathway. <i>Metabolic Brain Disease</i> , 2019 , 34, 119-128	3.9	5
36	Leukemia Inhibitory Factor Is Essential for the Self-Renewal of Embryonic Stem Cells from Nile Tilapia (<i>Oreochromis niloticus</i>) Through Stat3 Signaling. <i>Stem Cells and Development</i> , 2018 , 27, 123-132	4.4	5
35	Timing-dependent LTP and LTD in mouse primary visual cortex following different visual deprivation models. <i>PLoS ONE</i> , 2017 , 12, e0176603	3.7	4
34	Effects of miR-200b-3p inhibition on the TRPC6 and BK channels of podocytes. <i>Archives of Biochemistry and Biophysics</i> , 2018 , 653, 80-89	4.1	4
33	Knockdown of Follistatin-like 1 disrupts synaptic transmission in hippocampus and leads to cognitive impairments. <i>Experimental Neurology</i> , 2020 , 333, 113412	5.7	4
32	Down-regulation of MST1 in hippocampus protects against stress-induced depression-like behaviours and synaptic plasticity impairments. <i>Brain, Behavior, and Immunity</i> , 2021 , 94, 196-209	16.6	4
31	Both Gfr1a and Gfr1b Are Involved in the Self-renewal and Maintenance of Spermatogonial Stem Cells in Medaka. <i>Stem Cells and Development</i> , 2018 ,	4.4	4
30	AG-1031 and AG-1503 improve cognitive deficits by promoting apoptosis and inhibiting autophagy in C6 glioma model rats. <i>Brain Research</i> , 2018 , 1699, 1-8	3.7	4
29	Distinct Impacts of Fullerene on Cognitive Functions of Dementia vs. Non-dementia Mice. <i>Neurotoxicity Research</i> , 2019 , 36, 736-745	4.3	3
28	Establishment of a stem Leydig cell line capable of 11-ketotestosterone production. <i>Reproduction, Fertility and Development</i> , 2020 , 32, 1271-1281	1.8	3
27	Hyperforin alleviates the psychiatric disorders of adult rats suffered from early maternal separation via activating autophagy. <i>Neuroscience Letters</i> , 2021 , 750, 135750	3.3	3
26	TRPC6-Mediated Ca Entry Essential for the Regulation of Nano-ZnO Induced Autophagy in SH-SY5Y Cells. <i>Neurochemical Research</i> , 2020 , 45, 1602-1613	4.6	3

25	Melamine induces autophagy in mesangial cells via enhancing ROS level. <i>Toxicology Mechanisms and Methods</i> , 2015 , 25, 581-7	3.6	3
24	Legumain acts on neuroinflammatory to affect CUS-induced cognitive impairment. <i>Behavioural Brain Research</i> , 2019 , 376, 112219	3.4	2
23	Nephrotoxicity and genotoxicity of silver nanoparticles in juvenile rats and possible mechanisms of action. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2020 , 71, 121-129	1.7	2
22	Effects of ionic products from silicon-substituted hydroxyapatite on the rat brain activity: Morris water maze studies and long term potentiation in hippocampal CA1. <i>Materials Science and Engineering C</i> , 2011 , 31, 1558-1566	8.3	2
21	Evaluation of the effect of acute and subacute exposure to TiO ₂ nanoparticles on oxidative stress. <i>Methods in Molecular Biology</i> , 2013 , 1028, 135-45	1.4	2
20	High-Resolution Transcranial Electrical Stimulation for Living Mice Based on Magneto-Acoustic Effect. <i>Frontiers in Neuroscience</i> , 2019 , 13, 1342	5.1	2
19	Nano-CuO causes cell damage through activation of dose-dependent autophagy and mitochondrial lncCyt b-AS/ND5-AS/ND6-AS in SH-SY5Y cells. <i>Toxicology Mechanisms and Methods</i> , 2022 , 32, 37-48	3.6	2
18	MST1 mediates neuronal loss and cognitive deficits: A novel therapeutic target for Alzheimer's disease.. <i>Progress in Neurobiology</i> , 2022 , 102280	10.9	2
17	Different expressions of large-conductance Ca ²⁺ -activated K ⁺ channels in the mouse renal cortex and hippocampus during postnatal development. <i>Applied Immunohistochemistry and Molecular Morphology</i> , 2015 , 23, 146-52	1.9	1
16	Lung injury after cardiopulmonary bypass: Alternative treatment prospects.. <i>World Journal of Clinical Cases</i> , 2022 , 10, 753-761	1.6	1
15	Novel Multitarget Directed Tacrine Hybrids as Anti-Alzheimer's Compounds Improved Synaptic Plasticity and Cognitive Impairment in APP/PS1 Transgenic Mice. <i>ACS Chemical Neuroscience</i> , 2020 , 11, 4316-4328	5.7	1
14	Combination of Isoflurane and Propofol as General Anesthesia During Orthopedic Surgery of Perioperative Cerebral Hypoperfusion Rats to Avoid Cognitive Impairment. <i>Frontiers in Medicine</i> , 2020 , 7, 549081	4.9	1
13	Reaction-Diffusion Model-Based Research on Formation Mechanism of Neuron Dendritic Spine Patterns. <i>Frontiers in Neurorobotics</i> , 2021 , 15, 563682	3.4	1
12	Legumain knockout improved cognitive impairment via reducing neuroinflammation in right unilateral common carotid artery occlusion mice. <i>Life Sciences</i> , 2021 , 285, 119944	6.8	1
11	Asparagine endopeptidase deletion ameliorates cognitive impairments by inhibiting proinflammatory microglial activation in MPTP mouse model of Parkinson disease. <i>Brain Research Bulletin</i> , 2021 , 178, 120-130	3.9	0
10	Angiotensin II induces cognitive decline and anxiety-like behavior via disturbing pattern of theta-gamma oscillations. <i>Brain Research Bulletin</i> , 2021 , 174, 84-91	3.9	0
9	Legumain knockout improves repeated corticosterone injection-induced depression-like emotional and cognitive deficits. <i>Behavioural Brain Research</i> , 2021 , 413, 113464	3.4	0
8	Notch1 participates in the activation of autophagy in the hippocampus of type I diabetic mice. <i>Neurochemistry International</i> , 2021 , 150, 105156	4.4	0

7	Knockdown of FSTL1 inhibits microglia activation and alleviates depressive-like symptoms through modulating TLR4/MyD88/NF- κ B pathway in CUMS mice.. <i>Experimental Neurology</i> , 2022 , 353, 114060	5.7	o
6	Social Deficits and Cerebellar Degeneration in Purkinje Cell Knockout Mice.. <i>Frontiers in Molecular Neuroscience</i> , 2022 , 15, 822129	6.1	o
5	TRPC6 interacted with K1.1 channels to regulate the proliferation and apoptosis of glioma cells.. <i>Archives of Biochemistry and Biophysics</i> , 2022 , 109268	4.1	o
4	1% Isoflurane and 1.2 μ /ml of Propofol: A Combination of Anesthetics That Causes the Least Damage to Hypoxic Neurons. <i>Frontiers in Aging Neuroscience</i> , 2020 , 12, 591938	5.3	
3	Using the Whole Cell Patch Clamp Technique to Study the Effect of Nanoparticles in Hippocampal Neurons. <i>Neuromethods</i> , 2018 , 187-202	0.4	
2	Desktop Software for Patch-Clamp Raw Binary Data Conversion and Preprocessing. <i>Journal of Electrical and Computer Engineering</i> , 2011 , 2011, 1-7	1.9	
1	Autophagy and Stem Cells. <i>Pancreatic Islet Biology</i> , 2018 , 1-20	0.4	