Zhuo Yang

List of Publications by Year in Descending Order

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	Lung injury after cardiopulmonary bypass: Alternative treatment prospects.. *World Journal of Clinical Cases*, **2022**, 10, 753-761	1.6	1
149	Nano-CuO causes cell damage through activation of dose-dependent autophagy and mitochondrial lncCyt b-AS/ND5-AS/ND6-AS in SH-SY5Y cells. *Toxicology Mechanisms and Methods*, **2022**, 32, 37-48	3.6	2
148	Knockdown of FSTL1 inhibits microglia activation and alleviates depressive-like symptoms through modulating TLR4/MyD88/NF-B pathway in CUMS mice.. *Experimental Neurology*, **2022**, 353, 114060	5.7	0
147	Social Deficits and Cerebellar Degeneration in Purkinje Cell Knockout Mice.. *Frontiers in Molecular Neuroscience*, **2022**, 15, 822129	6.1	0
146	TRPC6 interacted with K1.1 channels to regulate the proliferation and apoptosis of glioma cells.. *Archives of Biochemistry and Biophysics*, **2022**, 109268	4.1	0
145	MST1 mediates neuronal loss and cognitive deficits: A novel therapeutic target for Alzheimer's disease.. *Progress in Neurobiology*, **2022**, 102280	10.9	2
144	Asparagine endopeptidase deletion ameliorates cognitive impairments by inhibiting proinflammatory microglial activation in MPTP mouse model of Parkinson disease. *Brain Research Bulletin*, **2021**, 178, 120-130	3.9	0
143	Early intervention attenuates synaptic plasticity impairment and neuroinflammation in 5xFAD mice. *Journal of Psychiatric Research*, **2021**, 136, 204-216	5.2	5
142	Hyperforin alleviates the psychiatric disorders of adult rats suffered from early maternal separation via activating autophagy. *Neuroscience Letters*, **2021**, 750, 135750	3.3	3
141	Sodium butyrate ameliorates the impairment of synaptic plasticity by inhibiting the neuroinflammation in 5XFAD mice. *Chemico-Biological Interactions*, **2021**, 341, 109452	5	17
140	Down-regulation of MST1 in hippocampus protects against stress-induced depression-like behaviours and synaptic plasticity impairments. *Brain, Behavior, and Immunity*, **2021**, 94, 196-209	16.6	4
139	Rapamycin Activates Mitophagy and Alleviates Cognitive and Synaptic Plasticity Deficits in a Mouse Model of Alzheimer's Disease. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2021**, 76, 1707-1713	6.4	7
138	Reaction-Diffusion Model-Based Research on Formation Mechanism of Neuron Dendritic Spine Patterns. *Frontiers in Neurorobotics*, **2021**, 15, 563682	3.4	1
137	Graphene Oxide Ameliorates the Cognitive Impairment Through Inhibiting PI3K/Akt/mTOR Pathway to Induce Autophagy in AD Mouse Model. *Neurochemical Research*, **2021**, 46, 309-325	4.6	14
136	Hydrogen sulfide alleviates the anxiety-like and depressive-like behaviors of type 1 diabetic mice via inhibiting inflammation and ferroptosis. *Life Sciences*, **2021**, 278, 119551	6.8	7
135	Neuroprotective Nanoscavenger Induces Coaggregation of Amyloid and Facilitates Its Clearance in Alzheimer Disease Brain. *CCS Chemistry*, **2021**, 3, 2316-2330	7.2	7
134	Angiotensin II induces cognitive decline and anxiety-like behavior via disturbing pattern of theta-gamma oscillations. *Brain Research Bulletin*, **2021**, 174, 84-91	3.9	0

133	Legumain knockout improves repeated corticosterone injection-induced depression-like emotional and cognitive deficits. *Behavioural Brain Research*, **2021**, 413, 113464	3.4	0
132	Legumain knockout improved cognitive impairment via reducing neuroinflammation in right unilateral common carotid artery occlusion mice. *Life Sciences*, **2021**, 285, 119944	6.8	1
131	Notch1 participates in the activation of autophagy in the hippocampus of type I diabetic mice. *Neurochemistry International*, **2021**, 150, 105156	4.4	0
130	1% Isoflurane and 1.2 g/ml of Propofol: A Combination of Anesthetics That Causes the Least Damage to Hypoxic Neurons. *Frontiers in Aging Neuroscience*, **2020**, 12, 591938	5.3	
129	Early-stage dysfunction of hippocampal theta and gamma oscillations and its modulation of neural network in a transgenic 5xFAD mouse model. *Neurobiology of Aging*, **2020**, 94, 121-129	5.6	8
128	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. *Brain Research Bulletin*, **2020**, 161, 166-176	3.9	5
127	Nephrotoxicity and genotoxicity of silver nanoparticles in juvenile rats and possible mechanisms of action. *Arhiv Za Higijenu Rada I Toksikologiju*, **2020**, 71, 121-129	1.7	2
126	AVNP2 protects against cognitive impairments induced by C6 glioma by suppressing tumour associated inflammation in rats. *Brain, Behavior, and Immunity*, **2020**, 87, 645-659	16.6	6
125	MiR-429/200a/200b negatively regulate Notch1 signaling pathway to suppress CoCl-induced apoptosis in PC12 cells. *Toxicology in Vitro*, **2020**, 65, 104787	3.6	7
124	A New Rat Model of Chronic Cerebral Hypoperfusion Resulting in Early-Stage Vascular Cognitive Impairment. *Frontiers in Aging Neuroscience*, **2020**, 12, 86	5.3	8
123	Graphene oxide enhances amyloid clearance by inducing autophagy of microglia and neurons. *Chemico-Biological Interactions*, **2020**, 325, 109126	5	15
122	Establishment of a stem Leydig cell line capable of 11-ketotestosterone production. *Reproduction, Fertility and Development*, **2020**, 32, 1271-1281	1.8	3
121	Dulcitol suppresses proliferation and migration of hepatocellular carcinoma via regulating SIRT1/p53 pathway. *Phytomedicine*, **2020**, 66, 153112	6.5	14
120	Novel Multitarget Directed Tacrine Hybrids as Anti-Alzheimer's Compounds Improved Synaptic Plasticity and Cognitive Impairment in APP/PS1 Transgenic Mice. *ACS Chemical Neuroscience*, **2020**, 11, 4316-4328	5.7	1
119	Knockdown of Follistatin-like 1 disrupts synaptic transmission in hippocampus and leads to cognitive impairments. *Experimental Neurology*, **2020**, 333, 113412	5.7	4
118	Combination of Isoflurane and Propofol as General Anesthesia During Orthopedic Surgery of Perioperative Cerebral Hypoperfusion Rats to Avoid Cognitive Impairment. *Frontiers in Medicine*, **2020**, 7, 549081	4.9	1
117	TRPC6-Mediated Ca Entry Essential for the Regulation of Nano-ZnO Induced Autophagy in SH-SY5Y Cells. *Neurochemical Research*, **2020**, 45, 1602-1613	4.6	3
116	Legumain acts on neuroinflammatory to affect CUS-induced cognitive impairment. *Behavioural Brain Research*, **2019**, 376, 112219	3.4	2

115	The inhibition of BDNF/TrkB/PI3K/Akt signal mediated by AG1601 promotes apoptosis in malignant glioma. *Journal of Cellular Biochemistry*, **2019**, 120, 18771-18781	4.7	8
114	Distinct Impacts of Fullerene on Cognitive Functions of Dementia vs. Non-dementia Mice. *Neurotoxicity Research*, **2019**, 36, 736-745	4.3	3
113	Transcranial Magneto-Acoustic Stimulation Improves Neuroplasticity in Hippocampus of Parkinson's Disease Model Mice. *Neurotherapeutics*, **2019**, 16, 1210-1224	6.4	7
112	Annexin 1 inhibits remifentanil-induced hyperalgesia and NMDA receptor phosphorylation via regulating spinal CXCL12/CXCR4 in rats. *Neuroscience Research*, **2019**, 144, 48-55	2.9	8
111	Arginine vasopressin attenuates dysfunction of hippocampal theta and gamma oscillations in chronic cerebral hypoperfusion via V1a receptor. *Brain Research Bulletin*, **2019**, 153, 84-92	3.9	5
110	High-Resolution Transcranial Electrical Simulation for Living Mice Based on Magneto-Acoustic Effect. *Frontiers in Neuroscience*, **2019**, 13, 1342	5.1	2
109	Pretreatment-Etidronate Alleviates CoCl Induced-SH-SY5Y Cell Apoptosis via Decreased HIF-1 and TRPC5 Channel Proteins. *Neurochemical Research*, **2019**, 44, 428-440	4.6	8
108	Excessive corticosterone induces excitotoxicity of hippocampal neurons and sensitivity of potassium channels via insulin-signaling pathway. *Metabolic Brain Disease*, **2019**, 34, 119-128	3.9	5
107	AG-1031 induced autophagic cell death and apoptosis in C6 glioma cells associated with Notch-1 signaling pathway. *Journal of Cellular Biochemistry*, **2018**, 119, 5893-5903	4.7	14
106	U1 small nuclear RNA overexpression implicates autophagic-lysosomal system associated with AD. *Neuroscience Research*, **2018**, 136, 48-55	2.9	10
105	Maternal Separation Induces Different Autophagic Responses in the Hippocampus and Prefrontal Cortex of Adult Rats. *Neuroscience*, **2018**, 374, 287-294	3.9	22
104	Using the Whole Cell Patch Clamp Technique to Study the Effect of Nanoparticles in Hippocampal Neurons. *Neuromethods*, **2018**, 187-202	0.4	
103	Voluntary running-enhanced synaptic plasticity, learning and memory are mediated by Notch1 signal pathway in C57BL mice. *Brain Structure and Function*, **2018**, 223, 749-767	4	7
102	Deletion of asparagine endopeptidase reduces anxiety- and depressive-like behaviors and improves abilities of spatial cognition in mice. *Brain Research Bulletin*, **2018**, 142, 147-155	3.9	17
101	Effects of miR-200b-3p inhibition on the TRPC6 and BK channels of podocytes. *Archives of Biochemistry and Biophysics*, **2018**, 653, 80-89	4.1	4
100	Autophagy is required for human umbilical cord mesenchymal stem cells to improve spatial working memory in APP/PS1 transgenic mouse model. *Stem Cell Research and Therapy*, **2018**, 9, 9	8.3	15
99	Leukemia Inhibitory Factor Is Essential for the Self-Renewal of Embryonic Stem Cells from Nile Tilapia (Oreochromis niloticus) Through Stat3 Signaling. *Stem Cells and Development*, **2018**, 27, 123-132	4.4	5
98	Both Gfr1a and Gfr1b Are Involved in the Self-renewal and Maintenance of Spermatogonial Stem Cells in Medaka. *Stem Cells and Development*, **2018**,	4.4	4

97	Autophagy and Stem Cells. *Pancreatic Islet Biology*, **2018**, 1-20	0.4	
96	Etidronate-zinc Complex Ameliorated Cognitive and Synaptic Plasticity Impairments in 2-Vessel Occlusion Model Rats by Reducing Neuroinflammation. *Neuroscience*, **2018**, 390, 206-217	3.9	9
95	AG-1031 and AG-1503 improve cognitive deficits by promoting apoptosis and inhibiting autophagy in C6 glioma model rats. *Brain Research*, **2018**, 1699, 1-8	3.7	4
94	Rapamycin Effectively Impedes Melamine-Induced Impairments of Cognition and Synaptic Plasticity in Wistar Rats. *Molecular Neurobiology*, **2017**, 54, 819-832	6.2	32
93	Improving mechanical properties of ramie/poly (lactic acid) composites by synergistic effect of fabric cyclic loading and alkali treatment. *Journal of Industrial Textiles*, **2017**, 47, 390-407	1.6	7
92	Autophagy is involved in mouse kidney development and podocyte differentiation regulated by Notch signalling. *Journal of Cellular and Molecular Medicine*, **2017**, 21, 1315-1328	5.6	16
91	Resveratrol Attenuates A□Induced Early Hippocampal Neuron Excitability Impairment via Recovery of Function of Potassium Channels. *Neurotoxicity Research*, **2017**, 32, 311-324	4.3	17
90	Timing-dependent LTP and LTD in mouse primary visual cortex following different visual deprivation models. *PLoS ONE*, **2017**, 12, e0176603	3.7	4
89	Angiotensin II induces calcium-mediated autophagy in podocytes through enhancing reactive oxygen species levels. *Chemico-Biological Interactions*, **2017**, 277, 110-118	5	12
88	Propofol inhibits invasion and proliferation of C6 glioma cells by regulating the Ca permeable AMPA receptor-system x pathway. *Toxicology in Vitro*, **2017**, 44, 57-65	3.6	17
87	Gastrin-releasing peptide facilitates glutamatergic transmission in the hippocampus and effectively prevents vascular dementia induced cognitive and synaptic plasticity deficits. *Experimental Neurology*, **2017**, 287, 75-83	5.7	21
86	Etidronate rescues cognitive deficits through improving synaptic transmission and suppressing apoptosis in 2-vessel occlusion model rats. *Journal of Neurochemistry*, **2017**, 140, 476-484	6	19
85	Hydrogen Sulfide Prevents Synaptic Plasticity from VD-Induced Damage via Akt/GSK-3□Pathway and Notch Signaling Pathway in Rats. *Molecular Neurobiology*, **2016**, 53, 4159-4172	6.2	23
84	Nano-TiO induces autophagy to protect against cell death through antioxidative mechanism in podocytes. *Cell Biology and Toxicology*, **2016**, 32, 513-527	7.4	41
83	miR-200 family promotes podocyte differentiation through repression of RSAD2. *Scientific Reports*, **2016**, 6, 27105	4.9	8
82	Autophagy Alleviates Melamine-Induced Cell Death in PC12 Cells Via Decreasing ROS Level. *Molecular Neurobiology*, **2016**, 53, 1718-1729	6.2	27
81	Neuroprotective Effects of Etidronate and 2,3,3-Trisphosphonate Against Glutamate-Induced Toxicity in PC12 Cells. *Neurochemical Research*, **2016**, 41, 844-54	4.6	20
80	Zinc oxide nanoparticles induce renal toxicity through reactive oxygen species. *Food and Chemical Toxicology*, **2016**, 90, 76-83	4.7	46

79	Triptolide attenuated injury via inhibiting oxidative stress in Amyloid-Beta25-35-treated differentiated PC12 cells. *Life Sciences*, **2016**, 145, 19-26	6.8	19
78	Paradoxical effects of VEGF on synaptic activity partially involved in notch1 signaling in the mouse hippocampus. *Hippocampus*, **2016**, 26, 589-600	3.5	13
77	Autophagy ameliorates cognitive impairment through activation of PVT1 and apoptosis in diabetes mice. *Behavioural Brain Research*, **2016**, 305, 265-77	3.4	53
76	Leonurine ameliorates cognitive dysfunction via antagonizing excitotoxic glutamate insults and inhibiting autophagy. *Phytomedicine*, **2016**, 23, 1638-1646	6.5	17
75	The possible relationship between expressions of TRPC3/5 channels and cognitive changes in rat model of chronic unpredictable stress. *Behavioural Brain Research*, **2015**, 290, 180-6	3.4	8
74	MKL1 inhibits cell cycle progression through p21 in podocytes. *BMC Molecular Biology*, **2015**, 16, 1	4.5	21
73	Different expressions of large-conductance Ca2+-activated K+ channels in the mouse renal cortex and hippocampus during postnatal development. *Applied Immunohistochemistry and Molecular Morphology*, **2015**, 23, 146-52	1.9	1
72	Effects of ROS-relative NF-B signaling on high glucose-induced TLR4 and MCP-1 expression in podocyte injury. *Molecular Immunology*, **2015**, 68, 261-71	4.3	46
71	Toxicology of nanosized titanium dioxide: an update. *Archives of Toxicology*, **2015**, 89, 2207-17	5.8	82
70	The change of spatial cognition ability in depression rat model and the possible association with down-regulated protein expression of TRPC6. *Behavioural Brain Research*, **2015**, 294, 186-93	3.4	14
69	Cognitive deficits induced by multi-walled carbon nanotubes via the autophagic pathway. *Toxicology*, **2015**, 337, 21-9	4.4	33
68	Hyperforin alleviates mood deficits of adult rats suffered from early separation. *Neuroscience Letters*, **2015**, 608, 1-5	3.3	6
67	The inhibitory effect of angiotensin II on BKCa channels in podocytes via oxidative stress. *Molecular and Cellular Biochemistry*, **2015**, 398, 217-22	4.2	11
66	Triptolide Inhibited Cytotoxicity of Differentiated PC12 Cells Induced by Amyloid-Beta via the Autophagy Pathway. *PLoS ONE*, **2015**, 10, e0142719	3.7	23
65	Developmental changes in the expression and function of TRPC6 channels related the F-actin organization during differentiation in podocytes. *Cell Calcium*, **2015**, 58, 541-8	4	10
64	MiRNA expression profile and miRNA-mRNA integrated analysis (MMIA) during podocyte differentiation. *Molecular Genetics and Genomics*, **2015**, 290, 863-75	3.1	9
63	Melamine induces autophagy in mesangial cells via enhancing ROS level. *Toxicology Mechanisms and Methods*, **2015**, 25, 581-7	3.6	3
62	Myocardial infarction induces cognitive impairment by increasing the production of hydrogen peroxide in adult rat hippocampus. *Neuroscience Letters*, **2014**, 560, 112-6	3.3	14

61	Multi-walled carbon nanotube inhibits CA1 glutamatergic synaptic transmission in rat's hippocampal slices. *Toxicology Letters*, **2014**, 229, 423-9	4.4	16
60	Crosstalk between protective autophagy and NF-B signal in high glucose-induced podocytes. *Molecular and Cellular Biochemistry*, **2014**, 394, 261-73	4.2	16
59	Hydroxysafflor yellow A improves learning and memory in a rat model of vascular dementia by increasing VEGF and NR1 in the hippocampus. *Neuroscience Bulletin*, **2014**, 30, 417-24	4.3	23
58	Protective effects of bexarotene against amyloid-25-35-induced dysfunction in hippocampal neurons through the insulin signaling pathway. *Neurodegenerative Diseases*, **2014**, 14, 77-84	2.3	8
57	Increased response to oxidative stress challenge of nano-copper-induced apoptosis in mesangial cells. *Journal of Nanoparticle Research*, **2014**, 16, 1	2.3	8
56	Effect of titanium dioxide nanoparticles on zebrafish embryos and developing retina. *International Journal of Ophthalmology*, **2014**, 7, 917-23	1.4	21
55	Nanosized copper oxide induces apoptosis through oxidative stress in podocytes. *Archives of Toxicology*, **2013**, 87, 1067-73	5.8	48
54	Developmental changes of BKCa channels depend on differentiation status in cultured podocytes. *In Vitro Cellular and Developmental Biology - Animal*, **2013**, 49, 205-11	2.6	5
53	Neuroprotective effect of leukemia inhibitory factor on antimycin A-induced oxidative injury in differentiated PC12 cells. *Journal of Molecular Neuroscience*, **2013**, 50, 577-85	3.3	6
52	Peroxynitrite alters GABAergic synaptic transmission in immature rat hippocampal slices. *Neuroscience Research*, **2013**, 75, 210-7	2.9	8
51	Melamine induced spatial cognitive deficits associated with impairments of hippocampal long-term depression and cholinergic system in Wistar rats. *Neurobiology of Learning and Memory*, **2013**, 100, 18-24	3.1	37
50	Multi-walled carbon nanotube increases the excitability of hippocampal CA1 neurons through inhibition of potassium channels in rat's brain slices. *Toxicology Letters*, **2013**, 217, 121-8	4.4	23
49	Attenuated effect of tungsten carbide nanoparticles on voltage-gated sodium current of hippocampal CA1 pyramidal neurons. *Toxicology in Vitro*, **2013**, 27, 299-304	3.6	7
48	Imbalanced synaptic plasticity induced spatial cognition impairment in male offspring rats treated with chronic prenatal ethanol exposure. *Alcoholism: Clinical and Experimental Research*, **2013**, 37, 763-70	3.7	37
47	Evaluation of the effect of acute and subacute exposure to TiO nanoparticles on oxidative stress. *Methods in Molecular Biology*, **2013**, 1028, 135-45	1.4	2
46	Melamine induced cognitive impairment associated with oxidative damage in rat's hippocampus. *Pharmacology Biochemistry and Behavior*, **2012**, 102, 196-202	3.9	52
45	Effects of nanoparticle zinc oxide on spatial cognition and synaptic plasticity in mice with depressive-like behaviors. *Journal of Biomedical Science*, **2012**, 19, 14	13.3	66
44	Oxidative stress and apoptosis induced by hydroxyapatite nanoparticles in C6 cells. *Journal of Biomedical Materials Research - Part A*, **2012**, 100, 738-45	5.4	50

43	Nano copper induced apoptosis in podocytes via increasing oxidative stress. *Journal of Hazardous Materials*, **2012**, 241-242, 279-86	12.8	39
42	Involvement of reactive oxygen species and high-voltage-activated calcium currents in nanoparticle zinc oxide-induced cytotoxicity in vitro. *Journal of Nanoparticle Research*, **2012**, 14, 1	2.3	7
41	In vitro toxicity of multi-walled carbon nanotubes in C6 rat glioma cells. *NeuroToxicology*, **2012**, 33, 1128-34	4.4	74
40	L-3-n-butylphthalide improves cognitive deficits in rats with chronic cerebral ischemia. *Neuropharmacology*, **2012**, 62, 2424-9	5.5	49
39	Inhibitory effect of tungsten carbide nanoparticles on voltage-gated potassium currents of hippocampal CA1 neurons. *Toxicology Letters*, **2012**, 209, 129-35	4.4	21
38	The possible mechanism of silver nanoparticle impact on hippocampal synaptic plasticity and spatial cognition in rats. *Toxicology Letters*, **2012**, 209, 227-31	4.4	74
37	Cognitive impairment in rats induced by nano-CuO and its possible mechanisms. *Toxicology Letters*, **2012**, 213, 220-7	4.4	91
36	Urethane suppresses hippocampal CA1 neuron excitability via changes in presynaptic glutamate release and in potassium channel activity. *Brain Research Bulletin*, **2012**, 87, 420-6	3.9	10
35	Nano-Ag inhibiting action potential independent glutamatergic synaptic transmission but increasing excitability in rat CA1 pyramidal neurons. *Nanotoxicology*, **2012**, 6, 414-23	5.3	22
34	In vitro toxicity of nanosized copper particles in PC12 cells induced by oxidative stress. *Journal of Nanoparticle Research*, **2012**, 14, 1	2.3	16
33	Protective effects of leukemia inhibitory factor against oxidative stress during high glucose-induced apoptosis in podocytes. *Cell Stress and Chaperones*, **2012**, 17, 485-93	4	22
32	Expression of TRPC6 in renal cortex and hippocampus of mouse during postnatal development. *PLoS ONE*, **2012**, 7, e38503	3.7	13
31	The expression of EPOR in renal cortex during postnatal development. *PLoS ONE*, **2012**, 7, e41993	3.7	6
30	Protective effect of trifluoperazine on hydrogen peroxide-induced apoptosis in PC12 cells. *Brain Research Bulletin*, **2011**, 84, 183-8	3.9	23
29	Impairments of behavior, information flow between thalamus and cortex, and prefrontal cortical synaptic plasticity in an animal model of depression. *Brain Research Bulletin*, **2011**, 85, 109-16	3.9	39
28	Cognitive deficits induced by melamine in rats. *Toxicology Letters*, **2011**, 206, 276-80	4.4	52
27	Melamine impairs spatial cognition and hippocampal synaptic plasticity by presynaptic inhibition of glutamatergic transmission in infant rats. *Toxicology*, **2011**, 289, 167-74	4.4	40
26	Effects of ionic products from silicon-substituted hydroxyapatite on the rat brain activity: Morris water maze studies and long term potentiation in hippocampal CA1. *Materials Science and Engineering C*, **2011**, 31, 1558-1566	8.3	2

25	Induction of apoptosis by melamine in differentiated PC12 cells. *Cellular and Molecular Neurobiology*, **2011**, 31, 65-71	4.6	36
24	Protective effects of YC-1 against glutamate induced PC12 cell apoptosis. *Cellular and Molecular Neurobiology*, **2011**, 31, 303-11	4.6	16
23	Impaired hippocampal synaptic plasticity in C6 glioma-bearing rats. *Journal of Neuro-Oncology*, **2011**, 103, 469-77	4.8	13
22	Protective effects of exogenous hydrogen sulfide on neurons of hippocampus in a rat model of brain ischemia. *Neurochemical Research*, **2011**, 36, 1840-9	4.6	80
21	The inhibitory effects of nano-Ag on voltage-gated potassium currents of hippocampal CA1 neurons. *Environmental Toxicology*, **2011**, 26, 552-8	4.2	26
20	Nano-CuO inhibited voltage-gated sodium current of hippocampal CA1 neurons via reactive oxygen species but independent from G-proteins pathway. *Journal of Applied Toxicology*, **2011**, 31, 439-45	4.1	29
19	Nano-zinc oxide damages spatial cognition capability via over-enhanced long-term potentiation in hippocampus of Wistar rats. *International Journal of Nanomedicine*, **2011**, 6, 1453-61	7.3	58
18	Desktop Software for Patch-Clamp Raw Binary Data Conversion and Preprocessing. *Journal of Electrical and Computer Engineering*, **2011**, 2011, 1-7	1.9	
17	Zinc ion as modulator effects on excitability and synaptic transmission in hippocampal CA1 neurons in Wistar rats. *Neuroscience Research*, **2010**, 68, 167-75	2.9	19
16	In vitro assessment of the effect of methylene blue on voltage-gated sodium channels and action potentials in rat hippocampal CA1 pyramidal neurons. *NeuroToxicology*, **2010**, 31, 724-9	4.4	6
15	Effect of melamine on potassium currents in rat hippocampal CA1 neurons. *Toxicology in Vitro*, **2010**, 24, 397-403	3.6	35
14	Action potential changes associated with impairment of functional properties of sodium channels in hippocampal neurons induced by melamine. *Toxicology Letters*, **2010**, 198, 171-6	4.4	31
13	Oxidative stress and apoptosis induced by nanosized titanium dioxide in PC12 cells. *Toxicology*, **2010**, 267, 172-7	4.4	178
12	Multiscale Cross Entropy: A Novel Algorithm for Analyzing Two Time Series **2009**,		10
11	In vitro study on influence of nano particles of CuO on CA1 pyramidal neurons of rat hippocampus potassium currents. *Environmental Toxicology*, **2009**, 24, 211-7	4.2	50
10	Action potential changes associated with the inhibitory effects on voltage-gated sodium current of hippocampal CA1 neurons by silver nanoparticles. *Toxicology*, **2009**, 264, 179-84	4.4	96
9	Influences of nanoparticle zinc oxide on acutely isolated rat hippocampal CA3 pyramidal neurons. *NeuroToxicology*, **2009**, 30, 220-30	4.4	129
8	Effect of alpha-cypermethrin and theta-cypermethrin on delayed rectifier potassium currents in rat hippocampal neurons. *NeuroToxicology*, **2009**, 30, 269-73	4.4	29

7	Heat stress preconditioning improves cognitive outcome after diffuse axonal injury in rats. *Journal of Neurotrauma*, **2009**, 26, 1695-706	5.4	28
6	Effects of alpha- and theta-cypermethrin insecticide on transient outward potassium current in rat hippocampal CA3 neurons. *Pesticide Biochemistry and Physiology*, **2008**, 90, 1-7	4.9	12
5	Peroxynitrite donor impairs excitability of hippocampal CA1 neurons by inhibiting voltage-gated potassium currents. *Toxicology Letters*, **2007**, 175, 8-15	4.4	18
4	Involvement of nitric oxide in spatial memory deficits in status epilepticus rats. *Neurochemical Research*, **2007**, 32, 1875-83	4.6	23
3	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. *Experimental Physiology*, **2003**, 88, 335-42	2.4	37
2	Neuropeptides, amines and amino acids as mediators of the sympathetic effects of paraventricular nucleus activation in the rat. *Experimental Physiology*, **2002**, 87, 663-74	2.4	43
1	Synchrony analysis between blood pressure and sympathetic nerve signal inhibited by atrial receptor stimulation in Wistar rats. *Experimental Physiology*, **2002**, 87, 461-8	2.4	5