# Raymond Chuen-Chung Chang

List of Publications by Year
in descending order

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|---|---|---|---|
| 174 papers | 15,729 citations | 36303 51 h-index | 17592 121 g-index |
| 184 all docs | 184 docs citations | 184 times ranked | 29861 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222. | 9.1 | 4,701 |
| 2 | Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544. | 9.1 | 3,122 |
| 3 | Effects of all-trans-retinoic acid on human SH-SY5Y neuroblastoma as in vitro model in neurotoxicity research. NeuroToxicology, 2009, 30, 127-135. | 3.0 | 453 |
| 4 | The Natural History, Pathobiology, and Clinical Manifestations of SARS-CoV-2 Infections. Journal of NeuroImmune Pharmacology, 2020, 15, 359-386. | 4.1 | 391 |
| 5 | Use of Anti-aging Herbal Medicine, Lycium barbarum, Against Aging-associated Diseases. What Do We Know So Far?. Cellular and Molecular Neurobiology, 2008, 28, 643-652. | 3.3 | 282 |
| 6 | Nucleus basalis of Meynert revisited: anatomy, history and differential involvement in Alzheimerâ€™s and Parkinsonâ€™s disease. Acta Neuropathologica, 2015, 129, 527-540. | 7.7 | 255 |
| 7 | Neuroprotective effects of anti-aging oriental medicine Lycium barbarum against Î²-amyloid peptide neurotoxicity. Experimental Gerontology, 2005, 40, 716-727. | 2.8 | 194 |
| 8 | Dietary oxyresveratrol prevents parkinsonian mimetic 6-hydroxydopamine neurotoxicity. Free Radical Biology and Medicine, 2008, 45, 1019-1026. | 2.9 | 159 |
| 9 | Involvement of doubleâ€stranded RNAâ€dependent protein kinase and phosphorylation of eukaryotic initiation factorâ€2Î± in neuronal degeneration. Journal of Neurochemistry, 2002, 83, 1215-1225. | 3.9 | 153 |
| 10 | Lycium barbarum polysaccharides protect mice liver from carbon tetrachloride-induced oxidative stress and necroinflammation. Journal of Ethnopharmacology, 2012, 139, 462-470. | 4.1 | 151 |
| 11 | Activation of the Nrf2/HO-1 Antioxidant Pathway Contributes to the Protective Effects of Lycium Barbarum Polysaccharides in the Rodent Retina after Ischemia-Reperfusion-Induced Damage. PLoS ONE, 2014, 9, e84800. | 2.5 | 151 |
| 12 | Lycium Barbarum Polysaccharides Reduce Neuronal Damage, Blood-Retinal Barrier Disruption and Oxidative Stress in Retinal Ischemia/Reperfusion Injury. PLoS ONE, 2011, 6, e16380. | 2.5 | 144 |
| 13 | Neuroprotective effects of Lycium barbarum Lynn on protecting retinal ganglion cells in an ocular hypertension model of glaucoma. Experimental Neurology, 2007, 203, 269-273. | 4.1 | 142 |
| 14 | Calcium dysregulation in Alzheimer's disease: From mechanisms to therapeutic opportunities. Progress in Neurobiology, 2009, 89, 240-255. | 5.7 | 138 |
| 15 | Neuroprotective Effects of Polysaccharides from Wolfberry, the Fruits of Lycium barbarum, Against Homocysteine-induced Toxicity in Rat Cortical Neurons. Journal of Alzheimer's Disease, 2010, 19, 813-827. | 2.6 | 131 |
| 16 | Anti-aging herbal medicineâ€”How and why can they be used in aging-associated neurodegenerative diseases?. Ageing Research Reviews, 2010, 9, 354-362. | 10.9 | 120 |
| 17 | A reciprocal relationship between reactive oxygen species and mitochondrial dynamics in neurodegeneration. Redox Biology, 2018, 14, 7-19. | 9.0 | 109 |
| 18 | Endoplasmic Reticulum Stress Induces Tau Pathology and Forms a Vicious Cycle: Implication in Alzheimer's Disease Pathogenesis. Journal of Alzheimer's Disease, 2012, 28, 839-854. | 2.6 | 108 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The putative neurodegenerative links between depression and Alzheimer's disease. Progress in Neurobiology, 2010, 91, 362-375. | 5.7 | 105 |
| 20 | Characterizing the neuroprotective effects of alkaline extract of Lycium barbarum on Î²-amyloid peptide neurotoxicity. Brain Research, 2007, 1158, 123-134. | 2.2 | 101 |
| 21 | Polysaccharides from Wolfberry Antagonizes Glutamate Excitotoxicity in Rat Cortical Neurons. Cellular and Molecular Neurobiology, 2009, 29, 1233-1244. | 3.3 | 99 |
| 22 | Lycium barbarum polysaccharides therapeutically improve hepatic functions in non-alcoholic steatohepatitis rats and cellular steatosis model. Scientific Reports, 2014, 4, 5587. | 3.3 | 96 |
| 23 | Cigarette Smoking Accelerated Brain Aging and Induced Pre-Alzheimer-Like Neuropathology in Rats. PLoS ONE, 2012, 7, e36752. | 2.5 | 94 |
| 24 | Micro-dissection of Rat Brain for RNA or Protein Extraction from Specific Brain Region. Journal of Visualized Experiments, 2007, , 269. | 0.3 | 90 |
| 25 | Antagonizing Î²-amyloid peptide neurotoxicity of the anti-aging fungus Ganoderma lucidum. Brain Research, 2008, 1190, 215-224. | 2.2 | 90 |
| 26 | Upstream Signaling Pathways Leading to the Activation of Double-stranded RNA-dependent Serine/Threonine Protein Kinase in Î²-Amyloid Peptide Neurotoxicity. Journal of Biological Chemistry, 2003, 278, 49819-49827. | 3.4 | 87 |
| 27 | Protective effects of pinostilbene, a resveratrol methylated derivative, against 6-hydroxydopamine-induced neurotoxicity in SH-SY5Y cells. Journal of Nutritional Biochemistry, 2010, 21, 482-489. | 4.2 | 85 |
| 28 | Protection of Retinal Ganglion Cells and Retinal Vasculature by Lycium Barbarum Polysaccharides in a Mouse Model of Acute Ocular Hypertension. PLoS ONE, 2012, 7, e45469. | 2.5 | 82 |
| 29 | Neurodegeneration of the retina in mouse models of Alzheimerâ€™s disease: what can we learn from the retina?. Age, 2012, 34, 633-649. | 3.0 | 81 |
| 30 | Characterization of the effects of anti-aging medicine Fructus lycii on beta-amyloid peptide neurotoxicity. International Journal of Molecular Medicine, 2007, 20, 261-8. | 4.0 | 80 |
| 31 | The role of sleep deprivation and circadian rhythm disruption as risk factors of Alzheimerâ€™s disease. Frontiers in Neuroendocrinology, 2019, 54, 100764. | 5.2 | 79 |
| 32 | The beneficial effects of physical exercise in the brain and related pathophysiological mechanisms in neurodegenerative diseases. Laboratory Investigation, 2019, 99, 943-957. | 3.7 | 79 |
| 33 | Neuroprotection of Coenzyme Q10 in Neurodegenerative Diseases. Current Topics in Medicinal Chemistry, 2015, 16, 858-866. | 2.1 | 78 |
| 34 | Lycium barbarum polysaccharides protect rat liver from non-alcoholic steatohepatitis-induced injury. Nutrition and Diabetes, 2013, 3, e81-e81. | 3.2 | 75 |
| 35 | Evidence of the impact of systemic inflammation on neuroinflammation from a non-bacterial endotoxin animal model. Journal of Neuroinflammation, 2018, 15, 147. | 7.2 | 72 |
| 36 | Novel neuroprotective effects of the aqueous extracts from Verbena officinalis Linn. Neuropharmacology, 2006, 50, 641-650. | 4.1 | 70 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Neuroinflammation and AÎ² Accumulation Linked To Systemic Inflammation Are Decreased By Genetic PKR Down-Regulation. Scientific Reports, 2015, 5, 8489. | 3.3 | 70 |
| 38 | Lycium barbarum Extracts Protect the Brain from Blood-Brain Barrier Disruption and Cerebral Edema in Experimental Stroke. PLoS ONE, 2012, 7, e33596. | 2.5 | 68 |
| 39 | Upâ€regulation of crystallins is involved in the neuroprotective effect of wolfberry on survival of retinal ganglion cells in rat ocular hypertension model. Journal of Cellular Biochemistry, 2010, 110, 311-320. | 2.6 | 66 |
| 40 | Silica nanoparticles induce neurodegeneration-like changes in behavior, neuropathology, and affect synapse through MAPK activation. Particle and Fibre Toxicology, 2018, 15, 28. | 6.2 | 66 |
| 41 | Systemic inflammation linking chronic periodontitis to cognitive decline. Brain, Behavior, and Immunity, 2019, 81, 63-73. | 4.1 | 65 |
| 42 | Schisantherin A protects against 6-OHDA-induced dopaminergic neuron damage in zebrafish and cytotoxicity in SH-SY5Y cells through the ROS/NO and AKT/GSK3Î² pathways. Journal of Ethnopharmacology, 2015, 170, 8-15. | 4.1 | 63 |
| 43 | Bringing ‹scp›CLARITY‹/scp› to the human brain: visualization of Lewy pathology in three dimensions. Neuropathology and Applied Neurobiology, 2016, 42, 573-587. | 3.2 | 62 |
| 44 | Sickness: From the focus on cytokines, prostaglandins, and complement factors to the perspectives of neurons. Neuroscience and Biobehavioral Reviews, 2015, 57, 30-45. | 6.1 | 60 |
| 45 | Ketamine and selective activation of parvalbumin interneurons inhibit stress-induced dendritic spine elimination. Translational Psychiatry, 2018, 8, 272. | 4.8 | 60 |
| 46 | Short-term resistance exercise inhibits neuroinflammation and attenuates neuropathological changes in 3xTg Alzheimerâ€™s disease mice. Journal of Neuroinflammation, 2020, 17, 4. | 7.2 | 60 |
| 47 | Nutraceuticals and their preventive or potential therapeutic value in Parkinson's disease. Nutrition Reviews, 2012, 70, 373-386. | 5.8 | 58 |
| 48 | Garlic-Derived S-Allylmercaptocysteine Ameliorates Nonalcoholic Fatty Liver Disease in a Rat Model through Inhibition of Apoptosis and Enhancing Autophagy. Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-11. | 1.2 | 58 |
| 49 | Beneficial Effects of Cinnamon Proanthocyanidins on the Formation of Specific Advanced Glycation Endproducts and Methylglyoxal-Induced Impairment on Glucose Consumption. Journal of Agricultural and Food Chemistry, 2010, 58, 6692-6696. | 5.2 | 55 |
| 50 | Drug discovery from Chinese medicine against neurodegeneration in Alzheimer's and vascular dementia. Chinese Medicine, 2011, 6, 15. | 4.0 | 55 |
| 51 | Reduction of calcium release from the endoplasmic reticulum could only provide partial neuroprotection against betaâ€amyloid peptide toxicity. Journal of Neurochemistry, 2003, 87, 1413-1426. | 3.9 | 54 |
| 52 | Lycium Barbarum (Wolfberry) Reduces Secondary Degeneration and Oxidative Stress, and Inhibits JNK Pathway in Retina after Partial Optic Nerve Transection. PLoS ONE, 2013, 8, e68881. | 2.5 | 54 |
| 53 | A pro-drug of the green tea polyphenol (â^')-epigallocatechin-3-gallate (EGCG) prevents differentiated SH-SY5Y cells from toxicity induced by 6-hydroxydopamine. Neuroscience Letters, 2010, 469, 360-364. | 2.1 | 53 |
| 54 | Borneol for Regulating the Permeability of the Blood-Brain Barrier in Experimental Ischemic Stroke: Preclinical Evidence and Possible Mechanism. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-15. | 4.0 | 53 |

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|---|---|---|---|
| 55 | Polysaccharides from Wolfberry Prevents Corticosterone-Induced Inhibition of Sexual Behavior and Increases Neurogenesis. PLoS ONE, 2012, 7, e33374. | 2.5 | 53 |
| 56 | Beta-amyloid peptides induces neuronal apoptosis via a mechanism independent of unfolded protein responses. Apoptosis: an International Journal on Programmed Cell Death, 2006, 11, 687-700. | 4.9 | 52 |
| 57 | Modulation of microglia by Wolfberry on the survival of retinal ganglion cells in a rat ocular hypertension model. Journal of Ocular Biology, Diseases, and Informatics, 2009, 2, 47-56. | 0.2 | 52 |
| 58 | Cytokines: How important are they in mediating sickness?. Neuroscience and Biobehavioral Reviews, 2013, 37, 1-10. | 6.1 | 48 |
| 59 | Hippocampal CA2 Lewy pathology is associated with cholinergic degeneration in Parkinsonâ€™s disease with cognitive decline. Acta Neuropathologica Communications, 2019, 7, 61. | 5.2 | 47 |
| 60 | Metabolic changes in the anterior and posterior cingulate cortices of the normal aging brain: proton magnetic resonance spectroscopy study at 3ÂT. Age, 2014, 36, 251-264. | 3.0 | 46 |
| 61 | Altered Expression Levels of MicroRNA-132 and Nurr1 in Peripheral Blood of Parkinsonâ€™s Disease: Potential Disease Biomarkers. ACS Chemical Neuroscience, 2019, 10, 2243-2249. | 3.5 | 46 |
| 62 | Is exercise a senolytic medicine? A systematic review. Aging Cell, 2021, 20, e13294. | 6.7 | 46 |
| 63 | Cytoprotective effects of Lycium barbarum against reducing stress on endoplasmic reticulum. International Journal of Molecular Medicine, 2006, 17, 1157-61. | 4.0 | 46 |
| 64 | Stable expression of EBERs in immortalized nasopharyngeal epithelial cells confers resistance to apoptotic stress. Molecular Carcinogenesis, 2005, 44, 92-101. | 2.7 | 43 |
| 65 | Modulation of mitochondrial calcium as a pharmacological target for Alzheimer's disease. Ageing Research Reviews, 2010, 9, 447-456. | 10.9 | 42 |
| 66 | Review: tauopathy in the retina and optic nerve: does it shadow pathological changes in the brain?. Molecular Vision, 2012, 18, 2700-10. | 1.1 | 42 |
| 67 | Light Deprivation Induces Depression-Like Behavior and Suppresses Neurogenesis in Diurnal Mongolian Gerbil (Meriones unguiculatus). Cell Transplantation, 2011, 20, 871-882. | 2.5 | 41 |
| 68 | A breach in the scaffold: The possible role of cytoskeleton dysfunction in the pathogenesis of major depression. Ageing Research Reviews, 2013, 12, 67-75. | 10.9 | 41 |
| 69 | Neuropathology of cigarette smoking. Acta Neuropathologica, 2014, 127, 53-69. | 7.7 | 41 |
| 70 | Modulation of calcium/calmodulin kinase-II provides partial neuroprotection against beta-amyloid peptide toxicity. European Journal of Neuroscience, 2004, 19, 2047-2055. | 2.6 | 39 |
| 71 | Ammonâ€™s Horn 2 (CA2) of the Hippocampus: A Long-Known Region with a New Potential Role in Neurodegeneration. Neuroscientist, 2019, 25, 167-180. | 3.5 | 37 |
| 72 | Immune modulatory effects of Prunella vulgaris L. on monocytes/macrophages. International Journal of Molecular Medicine, 2005, 16, 1109-16. | 4.0 | 37 |

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|---|---|---|---|
| 73 | Free of acrylamide sodium dodecyl sulphate (SDS)â€based tissue clearing (FASTClear): a novel protocol of tissue clearing for threeâ€dimensional visualization of human brainÂtissues. Neuropathology and Applied Neurobiology, 2017, 43, 346-351. | 3.2 | 36 |
| 74 | Modulation of morphological changes of microglia and neuroprotection by monocyte chemoattractant protein-1 in experimental glaucoma. Cellular and Molecular Immunology, 2010, 7, 61-68. | 10.5 | 35 |
| 75 | Effects of corticosterone and amyloid-beta on proteins essential for synaptic function: Implications for depression and Alzheimer's disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 2245-2256. | 3.8 | 35 |
| 76 | Delay of cone degeneration in retinitis pigmentosa using a 12-month treatment with Lycium barbarum supplement. Journal of Ethnopharmacology, 2019, 236, 336-344. | 4.1 | 35 |
| 77 | Retrograde Labeling of Retinal Ganglion Cells by Application of Fluoro-Gold on the Surface of Superior Colliculus. Journal of Visualized Experiments, 2008, , . | 0.3 | 34 |
| 78 | Low molecular weight AÎ² induces collapse of endoplasmic reticulum. Molecular and Cellular Neurosciences, 2009, 41, 32-43. | 2.2 | 33 |
| 79 | Identification of the Key Molecules Involved in Chronic Copper Exposure-Aggravated Memory Impairment in Transgenic Mice of Alzheimer's Disease Using Proteomic Analysis. Journal of Alzheimer's Disease, 2015, 44, 455-469. | 2.6 | 33 |
| 80 | Rationalisation and Validation of an Acrylamide-Free Procedure in Three-Dimensional Histological Imaging. PLoS ONE, 2016, 11, e0158628. | 2.5 | 32 |
| 81 | BAD and Bcl-2 regulation are early events linking neuronal endoplasmic reticulum stress to mitochondria-mediated apoptosis. Molecular Brain Research, 2002, 109, 233-238. | 2.3 | 31 |
| 82 | New polysaccharide from Nerium indicum protects neurons via stress kinase signaling pathway. Brain Research, 2007, 1153, 221-230. | 2.2 | 31 |
| 83 | Research advances on the usage of traditional Chinese medicine for neuroprotection in glaucoma. Journal of Integrative Medicine, 2013, 11, 233-240. | 3.1 | 31 |
| 84 | Protective Effects of Testosterone on Presynaptic Terminals against Oligomeric<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:mi mathvariant="bold-italic">Î²</mml:mi></mml:mrow></mml:math>-Amyloid Peptide in Primary Culture of Hippocampal Neurons. BioMed Research International, 2014, 2014, 1-12. | 1.9 | 31 |
| 85 | Modulation of Neuroimmune Responses on Glia in the Central Nervous System: Implication in Therapeutic Intervention Against Neuroinflammation. Cellular and Molecular Immunology, 2009, 6, 317-326. | 10.5 | 30 |
| 86 | Synaptic Plasticity, But not Hippocampal Neurogenesis, Mediated the Counteractive Effect of Wolfberry on Depression in Rats. Cell Transplantation, 2012, 21, 2635-2649. | 2.5 | 29 |
| 87 | Effect of Lycium barbarum (Wolfberry) on Alleviating Axonal Degeneration after Partial Optic Nerve Transection. Cell Transplantation, 2015, 24, 403-417. | 2.5 | 29 |
| 88 | The pathogenic effects of particulate matter on neurodegeneration: a review. Journal of Biomedical Science, 2022, 29, 15. | 7.0 | 29 |
| 89 | Varenicline reduces DNA damage, tau mislocalization and post surgical cognitive impairment in aged mice. Neuropharmacology, 2018, 143, 217-227. | 4.1 | 28 |
| 90 | 1-phenyl 2-thiourea (PTU) activates autophagy in zebrafish embryos. Autophagy, 2021, 17, 1222-1231. | 9.1 | 27 |

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|---|---|---|---|
| 91 | Characterization of polysaccharides from the flowers of Nerium indicum and their neuroprotective effects. International Journal of Molecular Medicine, 2004, 14, 917-24. | 4.0 | 26 |
| 92 | Significance of Molecular Signaling for Protein Translation Control in Neurodegenerative Diseases. NeuroSignals, 2006, 15, 249-258. | 0.9 | 25 |
| 93 | Intravitreous Injection for Establishing Ocular Diseases Model. Journal of Visualized Experiments, 2007, , 313. | 0.3 | 25 |
| 94 | Review: Revisiting the human cholinergic nucleus of the diagonal band of Broca. Neuropathology and Applied Neurobiology, 2018, 44, 647-662. | 3.2 | 25 |
| 95 | Application of Acupuncture to Attenuate Immune Responses and Oxidative Stress in Postoperative Cognitive Dysfunction: What Do We Know So Far?. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-21. | 4.0 | 25 |
| 96 | Cognitive impairment in Irritable Bowel Syndrome (IBS): A systematic review. Brain Research, 2019, 1719, 274-284. | 2.2 | 24 |
| 97 | Temporal relationship of autophagy and apoptosis in neurons challenged by low molecular weight Î²-amyloid peptide. Journal of Cellular and Molecular Medicine, 2011, 15, 244-257. | 3.6 | 23 |
| 98 | In vitro attenuation of acrolein-induced toxicity by phloretin, a phenolic compound from apple. Food Chemistry, 2012, 135, 1762-1768. | 8.2 | 23 |
| 99 | Linking circadian rhythms to microbiome-gut-brain axis in aging-associated neurodegenerative diseases. Ageing Research Reviews, 2022, 78, 101620. | 10.9 | 23 |
| 100 | The effect of Lycium barbarum on spinal cord injury, particularly its relationship with M1 and M2 macrophage in rats. BMC Complementary and Alternative Medicine, 2013, 13, 67. | 3.7 | 22 |
| 101 | Identification of Novel Key Molecules Involved in Spatial Memory Impairment in Triple Transgenic Mice of Alzheimerâ€™s Disease. Molecular Neurobiology, 2017, 54, 3843-3858. | 4.0 | 22 |
| 102 | Neurodegeneration of Trigeminal Mesencephalic Neurons by the Tooth Loss Triggers the Progression of Alzheimerâ€™s Disease in 3Ã—Tg-AD Model Mice. Journal of Alzheimer's Disease, 2020, 76, 1443-1459. | 2.6 | 22 |
| 103 | Effect of Lycium barbarum Polysaccharides on the expression of endothelin-1 and its receptors in an ocular hypertension model of rat glaucoma. Neural Regeneration Research, 2012, 7, 645-51. | 3.0 | 22 |
| 104 | Laser-Induced Chronic Ocular Hypertension Model on SD Rats. Journal of Visualized Experiments, 2007, , 549. | 0.3 | 21 |
| 105 | Could PKR inhibition modulate human neurodegeneration?. Expert Review of Neurotherapeutics, 2009, 9, 1455-1457. | 2.8 | 20 |
| 106 | From Small to Big Molecules: How Do We Prevent and Delay the Progression of Age-Related Neurodegeneration?. Current Pharmaceutical Design, 2012, 18, 15-26. | 1.9 | 18 |
| 107 | Sulfur-containing constituents and one 1H-pyrrole-2-carboxylic acid derivative from pineapple [Ananas comosus (L.) Merr.] fruit. Phytochemistry, 2010, 71, 2046-2051. | 2.9 | 17 |
| 108 | Dissecting the Role of Anti-ganglioside Antibodies in Guillain-BarrÃ© Syndrome: an Animal Model Approach. Molecular Neurobiology, 2016, 53, 4981-4991. | 4.0 | 17 |

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|---|---|---|---|
| 109 | Palmitate and Stearate are Increased in the Plasma in a 6-OHDA Model of Parkinsonâ€™s Disease. Metabolites, 2019, 9, 31. | 2.9 | 17 |
| 110 | Spatial memory impairment by TRPC1 depletion is ameliorated by environmental enrichment. Oncotarget, 2016, 7, 27855-27873. | 1.8 | 17 |
| 111 | Identification of â€œsarsasapogenin-aglyconedâ€•timosaponins as novel AÎ²-lowering modulators of amyloid precursor protein processing. Chemical Science, 2016, 7, 3206-3214. | 7.4 | 16 |
| 112 | Tension- and Adhesion-Regulated Retraction ofÂInjured Axons. Biophysical Journal, 2019, 117, 193-202. | 0.5 | 16 |
| 113 | Metabolic Phenotype of the Healthy Rodent Model Using In-Vial Extraction of Dried Serum, Urine, and Cerebrospinal Fluid Spots. Analytical Chemistry, 2013, 85, 7257-7263. | 6.5 | 15 |
| 114 | Differential effects of propofol and dexmedetomidine on neuroinflammation induced by systemic endotoxin lipopolysaccharides in adult mice. Neuroscience Letters, 2019, 707, 134309. | 2.1 | 15 |
| 115 | Investigating degeneration of the retina in young and aged tau P301L mice. Life Sciences, 2015, 124, 16-23. | 4.3 | 14 |
| 116 | Differential expression of galanin in the cholinergic basal forebrain of patients with Lewy body disorders. Acta Neuropathologica Communications, 2015, 3, 77. | 5.2 | 13 |
| 117 | Lycium Barbarum and Human Health. , 2015, , . | | 13 |
| 118 | Viscoelastic response of neural cells governed by the deposition of amyloid-Î² peptides (AÎ²). Journal of Applied Physics, 2016, 119, . | 2.5 | 13 |
| 119 | The missing link between sleep disorders and age-related dementia: recent evidence and plausible mechanisms. Journal of Neural Transmission, 2017, 124, 559-568. | 2.8 | 13 |
| 120 | Oxyresveratrol exerts ATF4- and Grp78-mediated neuroprotection against endoplasmic reticulum stress in experimental Parkinsonâ€™s disease. Nutritional Neuroscience, 2021, 24, 181-196. | 3.1 | 13 |
| 121 | Effect of Continuous Propofol Infusion in Rat on Tau Phosphorylation with or without Temperature Control. Journal of Alzheimer's Disease, 2016, 51, 213-226. | 2.6 | 12 |
| 122 | Lycium barbarum polysaccharides promotes in vivo proliferation of adult rat retinal progenitor cells. Neural Regeneration Research, 2015, 10, 1976. | 3.0 | 12 |
| 123 | The Complement System in the Central Nervous System: From Neurodevelopment to Neurodegeneration. Biomolecules, 2022, 12, 337. | 4.0 | 12 |
| 124 | PKR deficiency alters E. coli-induced sickness behaviors but does not exacerbate neuroimmune responses or bacterial load. Journal of Neuroinflammation, 2015, 12, 212. | 7.2 | 11 |
| 125 | A Behavioral Test Battery for the Repeated Assessment of Motor Skills, Mood, and Cognition in Mice. Journal of Visualized Experiments, 2019, , . | 0.3 | 11 |
| 126 | Swelling, Intracellular Acidosis, and Damage of Glial Cells. , 1996, 66, 56-62. | | 11 |

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|---|---|---|---|
| 127 | Lycium barbarum polysaccharides related RAGE and AÎ² levels in the retina of mice with acute ocular hypertension and promote maintenance of blood retinal barrier. Neural Regeneration Research, 2020, 15, 2344. | 3.0 | 11 |
| 128 | Dexmedetomidine Directly Increases Tau Phosphorylation. Journal of Alzheimer's Disease, 2015, 44, 839-850. | 2.6 | 10 |
| 129 | Distinct relaxation timescales of neurites revealed by rate-dependent indentation, relaxation and micro-rheology tests. Soft Matter, 2019, 15, 166-174. | 2.7 | 10 |
| 130 | ARF6â€Rac1 signalingâ€mediated neurite outgrowth is potentiated by the neuronal adaptor FE65 through orchestrating ARF6 and ELMO1. FASEB Journal, 2020, 34, 16397-16413. | 0.5 | 10 |
| 131 | Fundamental Characteristics of Neuron Adhesion Revealed by Forced Peeling and Time-Dependent Healing. Biophysical Journal, 2020, 118, 1811-1819. | 0.5 | 10 |
| 132 | Prehabilitative resistance exercise reduces neuroinflammation and improves mitochondrial health in aged mice with perioperative neurocognitive disorders. Journal of Neuroinflammation, 2022, 19, . | 7.2 | 10 |
| 133 | Autismâ€associated PTEN missense mutation leads to enhanced nuclear localization and neurite outgrowth in an induced pluripotent stem cell line. FEBS Journal, 2020, 287, 4848-4861. | 4.7 | 9 |
| 134 | Applications of adeno-associated virus vector-mediated gene delivery for neurodegenerative diseases and psychiatric diseases: Progress, advances, and challenges. Mechanisms of Ageing and Development, 2021, 199, 111549. | 4.6 | 9 |
| 135 | Relevance of Calcium Homeostasis in Glial Cell Swelling from Acidosis. , 1998, 71, 203-205. | | 8 |
| 136 | Sigesbeckia orientalis L. Derived Active Fraction Ameliorates Perioperative Neurocognitive Disorders Through Alleviating Hippocampal Neuroinflammation. Frontiers in Pharmacology, 2022, 13, 846631. | 3.5 | 8 |
| 137 | Advances in Alzheimerâ€™s Disease: From Bench to Bedside. BioMed Research International, 2015, 2015, 1-2. | 1.9 | 7 |
| 138 | Leukocyte invasion of the brain after peripheral trauma in zebrafish (Danio rerio). Experimental and Molecular Medicine, 2022, 54, 973-987. | 7.7 | 7 |
| 139 | Transcriptional regulation of human FE65, a ligand of Alzheimer's disease amyloid precursor protein, by Sp1. Journal of Cellular Biochemistry, 2010, 109, 782-793. | 2.6 | 6 |
| 140 | Optimised tissue clearing minimises distortion and destruction during tissue delipidation. Neuropathology and Applied Neurobiology, 2021, 47, 441-453. | 3.2 | 6 |
| 141 | Preservation of Retinal Function Through Synaptic Stabilization in Alzheimer's Disease Model Mouse Retina by Lycium Barbarum Extracts. Frontiers in Aging Neuroscience, 2021, 13, 788798. | 3.4 | 6 |
| 142 | Links between the Brain and Retina: The Effects of Cigarette Smoking-Induced Age-Related Changes in Alzheimerâ€™s Disease and Macular Degeneration. Frontiers in Neurology, 2016, 7, 119. | 2.4 | 5 |
| 143 | Beading of injured axons driven by tension- and adhesion-regulated membrane shape instability. Journal of the Royal Society Interface, 2020, 17, 20200331. | 3.4 | 4 |
| 144 | Impact of unilateral ureteral obstruction on cognition and neurodegeneration. Brain Research Bulletin, 2021, 169, 112-127. | 3.0 | 4 |

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|---|---|---|---|
| 145 | The role of meningeal populations of type II innate lymphoid cells in modulating neuroinflammation in neurodegenerative diseases. Experimental and Molecular Medicine, 2021, 53, 1251-1267. | 7.7 | 4 |
| 146 | Quantitative Analysis of Brain Edema Resolution into the Cerebral Ventricles and Subarachnoid Space. , 1997, 70, 288-290. | | 4 |
| 147 | A Review on the Laboratory Investigations and Epidemiological Studies of Black and Pu-Erh Tea. ACS Symposium Series, 2008, , 144-159. | 0.5 | 3 |
| 148 | Morphometric Analyses of Retinal Sections. Journal of Visualized Experiments, 2012, , . | 0.3 | 3 |
| 149 | Green Tea and Neurodegeneration in Alzheimerâ€™s Disease. , 2013, , 691-704. | | 3 |
| 150 | Introductory Chapter: Concept of Neuroprotection - A New Perspective. , 2019, , . | | 3 |
| 151 | Sevoflurane Induces Neurotoxicity in the Animal Model with Alzheimerâ€™s Disease Neuropathology via Modulating Glutamate Transporter and Neuronal Apoptosis. International Journal of Molecular Sciences, 2022, 23, 6250. | 4.1 | 3 |
| 152 | Secondary Degeneration After Partial Optic Nerve Injury and Possible Neuroprotective Effects of Lycium Barbarum (Wolfberry). , 2015, , 135-151. | | 2 |
| 153 | Role of Calcium Ions in Acidosis-Induced Glial Swelling. , 1997, 70, 144-147. | | 2 |
| 154 | Research Advances on the Anti-aging Profile of Fructus lycii: an Ancient Chinese Herbal Medicine. Journal of Complementary and Integrative Medicine, 2008, 5, . | 0.9 | 1 |
| 155 | Effect of Mild and Moderate Hypothermia on the Acidosis-Induced Swelling of Glial Cells. , 1997, 70, 262-264. | | 1 |
| 156 | ILâ€1 beta and TNFâ€alpha play an essential role in modulating the risk of both periodontitis and Alzheimerâ€™s disease. Alzheimer's and Dementia, 2021, 17, e058464. | 0.8 | 1 |
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| 158 | What do we need to concern in using cell line for neurotoxicology research, differentiation or disturbance of intracellular signaling?. NeuroToxicology, 2010, 31, 165-166. | 3.0 | 0 |
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