

Byung Tae Choi

List of Publications by Year in descending order

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72
papers

1,681
citations

257450

24
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345221

36
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75
all docs

75
docs citations

75
times ranked

2351
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Protective effect of the phosphodiesterase III inhibitor cilostazol on amyloid β^2 -induced cognitive deficits associated with decreased amyloid β^2 accumulation. <i>Biochemical and Biophysical Research Communications</i> , 2011, 408, 602-608. | 2.1 | 88 |
| 2 | AIM2 inflammasome contributes to brain injury and chronic post-stroke cognitive impairment in mice. <i>Brain, Behavior, and Immunity</i> , 2020, 87, 765-776. | 4.1 | 86 |
| 3 | Electroacupuncture Promotes Post-Stroke Functional Recovery via Enhancing Endogenous Neurogenesis in Mouse Focal Cerebral Ischemia. <i>PLoS ONE</i> , 2014, 9, e90000. | 2.5 | 79 |
| 4 | Anthocyanins Downregulate Lipopolysaccharide-Induced Inflammatory Responses in BV2 Microglial Cells by Suppressing the NF- κ B and Akt/MAPKs Signaling Pathways. <i>International Journal of Molecular Sciences</i> , 2013, 14, 1502-1515. | 4.1 | 78 |
| 5 | Modulation of neurogenesis via neurotrophic factors in acupuncture treatments for neurological diseases. <i>Biochemical Pharmacology</i> , 2017, 141, 132-142. | 4.4 | 57 |
| 6 | Electroacupuncture preconditioning reduces ROS generation with NOX4 down-regulation and ameliorates blood-brain barrier disruption after ischemic stroke. <i>Journal of Biomedical Science</i> , 2016, 23, 32. | 7.0 | 50 |
| 7 | Emodin from <i>Polygonum multiflorum</i> ameliorates oxidative toxicity in HT22 cells and deficits in photothrombotic ischemia. <i>Journal of Ethnopharmacology</i> , 2016, 188, 13-20. | 4.1 | 46 |
| 8 | Low-level light emitting diode (LED) therapy suppresses inflammasome-mediated brain damage in experimental ischemic stroke. <i>Journal of Biophotonics</i> , 2017, 10, 1502-1513. | 2.3 | 46 |
| 9 | Electroacupuncture preconditioning reduces cerebral ischemic injury via BDNF and SDF-1 α in mice. <i>BMC Complementary and Alternative Medicine</i> , 2013, 13, 22. | 3.7 | 44 |
| 10 | Partially purified components of <i>Nardostachys chinensis</i> suppress melanin synthesis through ERK and Akt signaling pathway with cAMP down-regulation in B16F10 cells. <i>Journal of Ethnopharmacology</i> , 2011, 137, 1207-1214. | 4.1 | 41 |
| 11 | Apoptosis Induction of Human Prostate Carcinoma DU145 Cells by Diallyl Disulfide via Modulation of JNK and PI3K/AKT Signaling Pathways. <i>International Journal of Molecular Sciences</i> , 2012, 13, 14158-14171. | 4.1 | 41 |
| 12 | Pre-conditioning with transcranial low-level light therapy reduces neuroinflammation and protects blood-brain barrier after focal cerebral ischemia in mice. <i>Restorative Neurology and Neuroscience</i> , 2016, 34, 201-214. | 0.7 | 40 |
| 13 | Probucol inhibits LPS-induced microglia activation and ameliorates brain ischemic injury in normal and hyperlipidemic mice. <i>Acta Pharmacologica Sinica</i> , 2016, 37, 1031-1044. | 6.1 | 40 |
| 14 | Electroacupuncture ameliorates memory impairments by enhancing oligodendrocyte regeneration in a mouse model of prolonged cerebral hypoperfusion. <i>Scientific Reports</i> , 2016, 6, 28646. | 3.3 | 37 |
| 15 | Aqueous fraction from <i>Cuscuta japonica</i> seed suppresses melanin synthesis through inhibition of the p38 mitogen-activated protein kinase signaling pathway in B16F10 cells. <i>Journal of Ethnopharmacology</i> , 2012, 141, 338-344. | 4.1 | 32 |
| 16 | Hexane extract from <i>Polygonum multiflorum</i> attenuates glutamate-induced apoptosis in primary cultured cortical neurons. <i>Journal of Ethnopharmacology</i> , 2013, 145, 261-268. | 4.1 | 32 |
| 17 | Neuroprotective effects of 2,3,5,4-tetrahydroxystilbene-2-O- β -D-glucoside from <i>Polygonum multiflorum</i> against glutamate-induced oxidative toxicity in HT22 cells. <i>Journal of Ethnopharmacology</i> , 2017, 195, 64-70. | 4.1 | 32 |
| 18 | Isolinderalactone regulates the BCL-2/caspase-3/PARP pathway and suppresses tumor growth in a human glioblastoma multiforme xenograft mouse model. <i>Cancer Letters</i> , 2019, 443, 25-33. | 7.2 | 32 |

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|----|--|-----|-----------|
| 19 | Potential benefits of mesenchymal stem cells and electroacupuncture on the trophic factors associated with neurogenesis in mice with ischemic stroke. <i>Scientific Reports</i> , 2018, 8, 2044. | 3.3 | 30 |
| 20 | Anti-depressant effects of phosphodiesterase 3 inhibitor cilostazol in chronic mild stress-treated mice after ischemic stroke. <i>Psychopharmacology</i> , 2016, 233, 1055-1066. | 3.1 | 29 |
| 21 | Studies on the animal model of post-stroke depression and application of antipsychotic aripiprazole. <i>Behavioural Brain Research</i> , 2015, 287, 294-303. | 2.2 | 27 |
| 22 | Pretreatment with light-emitting diode therapy reduces ischemic brain injury in mice through endothelial nitric oxide synthase-dependent mechanisms. <i>Biochemical and Biophysical Research Communications</i> , 2017, 486, 945-950. | 2.1 | 27 |
| 23 | Protease activated receptor-1 antagonist ameliorates the clinical symptoms of experimental autoimmune encephalomyelitis via inhibiting breakdown of blood-brain barrier. <i>Journal of Neurochemistry</i> , 2015, 135, 577-588. | 3.9 | 26 |
| 24 | Indoleamine 2,3-Dioxygenase-Dependent Neurotoxic Kynurenine Metabolism Contributes to Poststroke Depression Induced in Mice by Ischemic Stroke along with Spatial Restraint Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-15. | 4.0 | 26 |
| 25 | Therapeutic Potential of a Combination of Electroacupuncture and TrkB-Expressing Mesenchymal Stem Cells for Ischemic Stroke. <i>Molecular Neurobiology</i> , 2019, 56, 157-173. | 4.0 | 26 |
| 26 | Effects of electroacupuncture on apoptotic pathways in a rat model of focal cerebral ischemia. <i>International Journal of Molecular Medicine</i> , 2013, 32, 1303-1310. | 4.0 | 25 |
| 27 | Neuroprotective effects of Polygonum multiflorum extract against glutamate-induced oxidative toxicity in HT22 hippocampal cells. <i>Journal of Ethnopharmacology</i> , 2013, 150, 108-115. | 4.1 | 23 |
| 28 | Ethanol extract of Cnidium officinale exhibits anti-inflammatory effects in BV2 microglial cells by suppressing NF- κ B nuclear translocation and the activation of the PI3K/Akt signaling pathway. <i>International Journal of Molecular Medicine</i> , 2013, 32, 876-882. | 4.0 | 23 |
| 29 | Anti-Neuroinflammatory Effects of <i>Uncaria sinensis</i> in LPS-Stimulated BV2 Microglia Cells and Focal Cerebral Ischemic Mice. <i>The American Journal of Chinese Medicine</i> , 2015, 43, 1099-1115. | 3.8 | 23 |
| 30 | Studies on medicinal herbs for cognitive enhancement based on the text mining of Donggeuibogam and preliminary evaluation of its effects. <i>Journal of Ethnopharmacology</i> , 2016, 179, 383-390. | 4.1 | 23 |
| 31 | Combined therapy involving electroacupuncture and treadmill exercise attenuates demyelination in the corpus callosum by stimulating oligodendrogenesis in a rat model of neonatal hypoxia-ischemia. <i>Experimental Neurology</i> , 2018, 300, 222-231. | 4.1 | 23 |
| 32 | Electroacupuncture inhibits phosphorylation of spinal phosphatidylinositol 3-kinase/Akt in a carrageenan-induced inflammatory rat model. <i>Brain Research Bulletin</i> , 2012, 87, 199-204. | 3.0 | 22 |
| 33 | Anti-photoaging properties of the phosphodiesterase 3 inhibitor cilostazol in ultraviolet B-irradiated hairless mice. <i>Scientific Reports</i> , 2016, 6, 31169. | 3.3 | 22 |
| 34 | Beneficial Effects of <i>Polygonum multiflorum</i> on Hippocampal Neuronal Cells and Mouse Focal Cerebral Ischemia. <i>The American Journal of Chinese Medicine</i> , 2015, 43, 637-651. | 3.8 | 21 |
| 35 | Positive effects of β -asarone on transplanted neural progenitor cells in a murine model of ischemic stroke. <i>Phytomedicine</i> , 2018, 51, 151-161. | 5.3 | 21 |
| 36 | Establishment of a Comprehensive List of Candidate Antiaging Medicinal Herb Used in Korean Medicine by Text Mining of the Classical Korean Medical Literature, <i>Donggeuibogam</i> , and Preliminary Evaluation of the Antiaging Effects of These Herbs. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-29. | 1.2 | 19 |

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|----|---|------|-----------|
| 37 | Photobiomodulation using a low-level light-emitting diode improves cognitive dysfunction in the 5XFAD mouse model of Alzheimer's disease. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 75, 631-639. | 3.6 | 19 |
| 38 | PMC-12, a traditional herbal medicine, enhances learning memory and hippocampal neurogenesis in mice. <i>Neuroscience Letters</i> , 2016, 617, 254-263. | 2.1 | 18 |
| 39 | Comparative analysis of the beneficial effects of treadmill training and electroacupuncture in a rat model of neonatal hypoxia-ischemia. <i>International Journal of Molecular Medicine</i> , 2017, 39, 1393-1402. | 4.0 | 18 |
| 40 | Low-level light emitting diode therapy promotes long-term functional recovery after experimental stroke in mice. <i>Journal of Biophotonics</i> , 2017, 10, 1761-1771. | 2.3 | 18 |
| 41 | Isolinderalactone suppresses human glioblastoma growth and angiogenic activity in 3D microfluidic chip and in vivo mouse models. <i>Cancer Letters</i> , 2020, 478, 71-81. | 7.2 | 18 |
| 42 | Neuroprotective Effects of a Novel Single Compound 1-Methoxyoctadecan-1-ol Isolated from <i>Uncaria sinensis</i> in Primary Cortical Neurons and a Photothrombotic Ischemia Model. <i>PLoS ONE</i> , 2014, 9, e85322. | 2.5 | 16 |
| 43 | Hexane extracts of <i>Polygonum multiflorum</i> improve tissue and functional outcome following focal cerebral ischemia in mice. <i>Molecular Medicine Reports</i> , 2014, 9, 1415-1421. | 2.4 | 16 |
| 44 | Contralesional Application of Transcranial Direct Current Stimulation on Functional Improvement in Ischemic Stroke Mice. <i>Stroke</i> , 2020, 51, 2208-2218. | 2.0 | 16 |
| 45 | Protective effect of hexane extracts of <i>Uncaria sinensis</i> against photothrombotic ischemic injury in mice. <i>Journal of Ethnopharmacology</i> , 2011, 138, 774-779. | 4.1 | 15 |
| 46 | Therapeutic effects of anodal transcranial direct current stimulation in a rat model of ADHD. <i>ELife</i> , 2020, 9, . | 6.0 | 15 |
| 47 | Benefits of a Skull-Interfaced Flexible and Implantable Multilight Emitting Diode Array for Photobiomodulation in Ischemic Stroke. <i>Advanced Science</i> , 2022, 9, e2104629. | 11.2 | 14 |
| 48 | Probucol plus cilostazol attenuate hypercholesterolemia-induced exacerbation in ischemic brain injury via anti-inflammatory effects. <i>International Journal of Molecular Medicine</i> , 2014, 34, 687-694. | 4.0 | 13 |
| 49 | <i>Sargassum horneri</i> methanol extract rescues C2C12 murine skeletal muscle cells from oxidative stress-induced cytotoxicity through Nrf2-mediated upregulation of heme oxygenase-1. <i>BMC Complementary and Alternative Medicine</i> , 2015, 15, 17. | 3.7 | 13 |
| 50 | Neuroprotection and spatial memory enhancement of four herbal mixture extract in HT22 hippocampal cells and a mouse model of focal cerebral ischemia. <i>BMC Complementary and Alternative Medicine</i> , 2015, 15, 202. | 3.7 | 13 |
| 51 | Partially purified components of <i>Uncaria sinensis</i> attenuate blood brain barrier disruption after ischemic brain injury in mice. <i>BMC Complementary and Alternative Medicine</i> , 2015, 15, 157. | 3.7 | 10 |
| 52 | Combination of Constraint-Induced Movement Therapy with Electroacupuncture Improves Functional Recovery following Neonatal Hypoxic-Ischemic Brain Injury in Rats. <i>BioMed Research International</i> , 2018, 2018, 1-11. | 1.9 | 10 |
| 53 | Neuroprotective effect of 1-methoxyoctadecan-1-ol from <i>Uncaria sinensis</i> on glutamate-induced hippocampal neuronal cell death. <i>Journal of Ethnopharmacology</i> , 2014, 155, 293-299. | 4.1 | 9 |
| 54 | Antidepressant Effects of Aripiprazole Augmentation for Cilostazol-Treated Mice Exposed to Chronic Mild Stress after Ischemic Stroke. <i>International Journal of Molecular Sciences</i> , 2017, 18, 355. | 4.1 | 9 |

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|----|--|-----|-----------|
| 55 | Herbal Prescriptions and Medicinal Herbs for Parkinson-Related Rigidity in Korean Medicine: Identification of Candidates Using Text Mining. <i>Journal of Alternative and Complementary Medicine</i> , 2018, 24, 733-740. | 2.1 | 9 |
| 56 | Histological and functional assessment of the efficacy of constraint-induced movement therapy in rats following neonatal hypoxic-ischemic brain injury. <i>Experimental and Therapeutic Medicine</i> , 2017, 13, 2775-2782. | 1.8 | 8 |
| 57 | Electroacupuncture therapy ameliorates motor dysfunction via brain-derived neurotrophic factor and glial cell line-derived neurotrophic factor in a mouse model of Parkinson's disease. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 75, 712-721. | 3.6 | 8 |
| 58 | A single fraction from <i>Uncaria sinensis</i> exerts neuroprotective effects against glutamate-induced neurotoxicity in primary cultured cortical neurons. <i>Anatomy and Cell Biology</i> , 2015, 48, 95. | 1.0 | 7 |
| 59 | PMC-12, a Prescription of Traditional Korean Medicine, Improves Amyloid β -Induced Cognitive Deficits through Modulation of Neuroinflammation. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-10. | 1.2 | 6 |
| 60 | Cognitive-Enhancing Herbal Formulae in Korean Medicine: Identification of Candidates by Text Mining and Literature Review. <i>Journal of Alternative and Complementary Medicine</i> , 2016, 22, 413-418. | 2.1 | 6 |
| 61 | Effects of β -asarone on Proliferation and Differentiation of Neural Progenitor Cells. <i>Korean Journal of Physical Anthropology</i> , 2018, 31, 41. | 0.2 | 6 |
| 62 | Electroacupuncture confers beneficial effects through ionotropic glutamate receptors involving phosphatidylinositol-3 kinase/Akt signaling pathway in focal cerebral ischemia in rats. <i>European Journal of Integrative Medicine</i> , 2012, 4, e413-e420. | 1.7 | 5 |
| 63 | An Analysis of the Combination Frequencies of Constituent Medicinal Herbs in Prescriptions for the Treatment of Stroke in Korean Medicine: Determination of a Group of Candidate Prescriptions for Universal Use. <i>Evidence-based Complementary and Alternative Medicine</i> , 2016, 2016, 1-17. | 1.2 | 5 |
| 64 | Beneficial effects of Jiawei Shenqi-wan and treadmill training on deficits associated with neonatal hypoxic-ischemia in rats. <i>Experimental and Therapeutic Medicine</i> , 2017, 13, 2134-2142. | 1.8 | 4 |
| 65 | Beneficial Effects of Gagam-Palmultang on Scopolamine-Induced Memory Deficits in Mice. <i>Evidence-based Complementary and Alternative Medicine</i> , 2018, 2018, 1-11. | 1.2 | 4 |
| 66 | Effects of electroacupuncture on the functionality of NG2-expressing cells in perilesional brain tissue of mice following ischemic stroke. <i>Neural Regeneration Research</i> , 2022, 17, 1556. | 3.0 | 4 |
| 67 | Pretreatment with Shuanghe-Tang Extract Attenuates Postischemic Brain Injury and Edema in a Mouse Model of Stroke: An Analysis of Medicinal Herbs Listed in Dongui Bogam. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-14. | 4.0 | 3 |
| 68 | Transcranial alternating current stimulation rescues motor deficits in a mouse model of Parkinson's disease via the production of glial cell line-derived neurotrophic factor. <i>Brain Stimulation</i> , 2022, 15, 645-653. | 1.6 | 3 |
| 69 | Selecting Effective Herbal Medicines for Attention-Deficit/Hyperactivity Disorder via Text Mining of Donguibogam. <i>Evidence-based Complementary and Alternative Medicine</i> , 2019, 2019, 1-9. | 1.2 | 2 |
| 70 | Weisheng-Tang Ameliorates Acute Ischemic Brain Damage in Mice by Maintaining Blood-Brain Barrier Integrity. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-11. | 4.0 | 2 |
| 71 | Electroacupuncture on the Scalp over the Motor Cortex Ameliorates Behavioral Deficits Following Neonatal Hypoxia-Ischemia in Rats via the Activation of Neural Stem Cells. <i>Life</i> , 2020, 10, 240. | 2.4 | 0 |
| 72 | Selection of Effective Herbal Medicines for Parkinson's Disease Based on the Text Mining of the Classical Korean Medical Literature Donguibogam. <i>Journal of Korean Medicine</i> , 2021, 42, 120-132. | 0.4 | 0 |