

# Byung Tae Choi

## List of Publications by Year in descending order

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72  
papers

1,681  
citations

257450

24  
h-index

345221

36  
g-index

75  
all docs

75  
docs citations

75  
times ranked

2351  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	Contralesional Application of Transcranial Direct Current Stimulation on Functional Improvement in Ischemic Stroke Mice. <i>Stroke</i> , 2020, 51, 2208-2218.	2.0	16
7	ALM2 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
8	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
9	Therapeutic effects of anodal transcranial direct current stimulation in a rat model of ADHD. <i>ELife</i> , 2020, 9, .	6.0	15
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	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

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19	Positive effects of Î±-asarone on transplanted neural progenitor cells in a murine model of ischemic stroke. <i>Phytomedicine</i> , 2018, 51, 151-161.	5.3	21
20	Effects of Î±-asarone on Proliferation and Differentiation of Neural Progenitor Cells. <i>Korean Journal of Physical Anthropology</i> , 2018, 31, 41.	0.2	6
21	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
22	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
23	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
24	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
25	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
26	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
27	Modulation of neurogenesis via neurotrophic factors in acupuncture treatments for neurological diseases. <i>Biochemical Pharmacology</i> , 2017, 141, 132-142.	4.4	57
28	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
29	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
30	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
31	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
32	Neuroprotective effects of 2,3,5,4-tetrahydroxystilbene-2-O-Î²-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
33	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
34	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
35	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
36	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

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37	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
38	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
39	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
40	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
41	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
42	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
43	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
44	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
45	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
46	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
47	PMC-12, a Prescription of Traditional Korean Medicine, Improves Amyloid $\beta$ -Induced Cognitive Deficits through Modulation of Neuroinflammation. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-10.	1.2	6
48	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
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	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
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	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
53	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
54	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

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55	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
56	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
57	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
58	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
59	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
60	Electroacupuncture preconditioning reduces cerebral ischemic injury via BDNF and SDF-1 $\alpha$ in mice. <i>BMC Complementary and Alternative Medicine</i> , 2013, 13, 22.	3.7	44
61	Neuroprotective effects of <i>Polygonum multiflorum</i> extract against glutamate-induced oxidative toxicity in HT22 hippocampal cells. <i>Journal of Ethnopharmacology</i> , 2013, 150, 108-115.	4.1	23
62	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
63	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
64	Anthocyanins Downregulate Lipopolysaccharide-Induced Inflammatory Responses in BV2 Microglial Cells by Suppressing the NF- $\kappa$ B and Akt/MAPKs Signaling Pathways. <i>International Journal of Molecular Sciences</i> , 2013, 14, 1502-1515.	4.1	78
65	Ethanol extract of <i>Cnidium officinale</i> exhibits anti-inflammatory effects in BV2 microglial cells by suppressing NF- $\kappa$ 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
66	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
67	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
68	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
69	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
70	Protective effect of the phosphodiesterase III inhibitor cilostazol on amyloid $\beta$ -induced cognitive deficits associated with decreased amyloid $\beta$ accumulation. <i>Biochemical and Biophysical Research Communications</i> , 2011, 408, 602-608.	2.1	88
71	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
72	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