

Dong-Gyu Jo

List of Publications by Year in descending order

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170
papers

9,803
citations

31976

53
h-index

42399

92
g-index

183
all docs

183
docs citations

183
times ranked

14166
citing authors

#	ARTICLE	IF	CITATIONS
1	Pivotal role for neuronal Toll-like receptors in ischemic brain injury and functional deficits. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 13798-13803.	7.1	689
2	Intravenous immunoglobulin suppresses NLRP1 and NLRP3 inflammasome-mediated neuronal death in ischemic stroke. Cell Death and Disease, 2013, 4, e790-e790.	6.3	331
3	Hypoxia-responsive polymeric nanoparticles for tumor-targeted drug delivery. Biomaterials, 2014, 35, 1735-1743.	11.4	296
4	Oxidative stress activates a positive feedback between the β -secretase and γ -secretase cleavages of the β -amyloid precursor protein. Journal of Neurochemistry, 2008, 104, 683-695.	3.9	287
5	Defective DNA base excision repair in brain from individuals with Alzheimer's disease and amnesic mild cognitive impairment. Nucleic Acids Research, 2007, 35, 5545-5555.	14.5	253
6	Evidence that NF- κ B and MAPK Signaling Promotes NLRP Inflammasome Activation in Neurons Following Ischemic Stroke. Molecular Neurobiology, 2018, 55, 1082-1096.	4.0	245
7	Calorie restriction up-regulates the plasma membrane redox system in brain cells and suppresses oxidative stress during aging. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 19908-19912.	7.1	243
8	Gamma secretase-mediated Notch signaling worsens brain damage and functional outcome in ischemic stroke. Nature Medicine, 2006, 12, 621-623.	30.7	229
9	Toll-like receptor-4 mediates neuronal apoptosis induced by amyloid β -peptide and the membrane lipid peroxidation product 4-hydroxynonenal. Experimental Neurology, 2008, 213, 114-121.	4.1	204
10	Proapoptotic Effects of Tau Cleavage Product Generated by Caspase-3. Neurobiology of Disease, 2001, 8, 162-172.	4.4	195
11	Intravenous immunoglobulin (IVIg) protects the brain against experimental stroke by preventing complement-mediated neuronal cell death. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14104-14109.	7.1	177
12	Inhibition of Drp1 Ameliorates Synaptic Depression, $A\beta$ Deposition, and Cognitive Impairment in an Alzheimer's Disease Model. Journal of Neuroscience, 2017, 37, 5099-5110.	3.6	176
13	Small extracellular vesicles from human adipose-derived stem cells attenuate cartilage degeneration. Journal of Extracellular Vesicles, 2020, 9, 1735249.	12.2	162
14	Essential Role of E2-25K/Hip-2 in Mediating Amyloid- β Neurotoxicity. Molecular Cell, 2003, 12, 553-563.	9.7	151
15	In situ diselenide-crosslinked polymeric micelles for ROS-mediated anticancer drug delivery. Biomaterials, 2016, 103, 56-66.	11.4	148
16	Alzheimer's disease and Notch signaling. Biochemical and Biophysical Research Communications, 2009, 390, 1093-1097.	2.1	140
17	NRF2/ARE pathway negatively regulates BACE1 expression and ameliorates cognitive deficits in mouse Alzheimer's models. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12516-12523.	7.1	132
18	Dextran sulfate nanoparticles as a theranostic nanomedicine for rheumatoid arthritis. Biomaterials, 2017, 131, 15-26.	11.4	128

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19	Notch Activation Enhances the Microglia-Mediated Inflammatory Response Associated With Focal Cerebral Ischemia. <i>Stroke</i> , 2011, 42, 2589-2594.	2.0	126
20	Involvement of Notch Signaling in Wound Healing. <i>PLoS ONE</i> , 2007, 2, e1167.	2.5	125
21	TNF- α Gene Silencing Using Polymerized siRNA/Thiolated Glycol Chitosan Nanoparticles for Rheumatoid Arthritis. <i>Molecular Therapy</i> , 2014, 22, 397-408.	8.2	125
22	Adaptive Cellular Stress Pathways as Therapeutic Targets of Dietary Phytochemicals: Focus on the Nervous System. <i>Pharmacological Reviews</i> , 2014, 66, 815-868.	16.0	122
23	Calpain-dependent cleavage of cain/cabin1 activates calcineurin to mediate calcium-triggered cell death. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 9870-9875.	7.1	116
24	Bioreducible Shell-Cross-Linked Hyaluronic Acid Nanoparticles for Tumor-Targeted Drug Delivery. <i>Biomacromolecules</i> , 2015, 16, 447-456.	5.4	114
25	Intermittent fasting attenuates inflammasome activity in ischemic stroke. <i>Experimental Neurology</i> , 2014, 257, 114-119.	4.1	112
26	A hyaluronic acid-methotrexate conjugate for targeted therapy of rheumatoid arthritis. <i>Chemical Communications</i> , 2014, 50, 7632.	4.1	109
27	Cancer Therapy Using Ultrahigh Hydrophobic Drug-Loaded Graphene Derivatives. <i>Scientific Reports</i> , 2014, 4, 6314.	3.3	108
28	Polysaccharide-Based Nanoparticles: A Versatile Platform for Drug Delivery and Biomedical Imaging. <i>Current Medicinal Chemistry</i> , 2012, 19, 3212-3229.	2.4	102
29	Metabolically engineered stem cell-derived exosomes to regulate macrophage heterogeneity in rheumatoid arthritis. <i>Science Advances</i> , 2021, 7, .	10.3	100
30	Notch1 targeting siRNA delivery nanoparticles for rheumatoid arthritis therapy. <i>Journal of Controlled Release</i> , 2015, 216, 140-148.	9.9	88
31	Evidence that β -secretase mediates oxidative stress-induced β -secretase expression in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2010, 31, 917-925.	3.1	87
32	Morin attenuates tau hyperphosphorylation by inhibiting GSK3 β . <i>Neurobiology of Disease</i> , 2011, 44, 223-230.	4.4	87
33	Hyaluronan nanoparticles bearing β -secretase inhibitor: In vivo therapeutic effects on rheumatoid arthritis. <i>Journal of Controlled Release</i> , 2014, 192, 295-300.	9.9	85
34	Notch signaling and neuronal death in stroke. <i>Progress in Neurobiology</i> , 2018, 165-167, 103-116.	5.7	85
35	Polyplex-releasing microneedles for enhanced cutaneous delivery of DNA vaccine. <i>Journal of Controlled Release</i> , 2014, 179, 11-17.	9.9	83
36	Oxidative lipid modification of nicastrin enhances amyloidogenic β -secretase activity in Alzheimer's disease. <i>Aging Cell</i> , 2012, 11, 559-568.	6.7	81

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37	Recent developments in hyaluronic acid-based nanomedicine for targeted cancer treatment. <i>Expert Opinion on Drug Delivery</i> , 2016, 13, 239-252.	5.0	81
38	Therapeutic Approaches to Alzheimer's Disease Through Modulation of NRF2. <i>NeuroMolecular Medicine</i> , 2019, 21, 1-11.	3.4	78
39	Evidence that β -Secretase-Mediated Notch Signaling Induces Neuronal Cell Death via the Nuclear Factor- κ B-Bcl-2-Interacting Mediator of Cell Death Pathway in Ischemic Stroke. <i>Molecular Pharmacology</i> , 2011, 80, 23-31.	2.3	77
40	Evidence that collaboration between HIF-1 α and Notch-1 promotes neuronal cell death in ischemic stroke. <i>Neurobiology of Disease</i> , 2014, 62, 286-295.	4.4	75
41	Extracellular vesicles from adipose tissue-derived stem cells alleviate osteoporosis through osteoprotegerin and miR-21. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12152.	12.2	74
42	Inhibition of Notch signalling ameliorates experimental inflammatory arthritis. <i>Annals of the Rheumatic Diseases</i> , 2015, 74, 267-274.	0.9	73
43	Homocysteic acid induces intraneuronal accumulation of neurotoxic A β 242: Implications for the pathogenesis of Alzheimer's disease. <i>Journal of Neuroscience Research</i> , 2005, 80, 869-876.	2.9	71
44	AIM2 inflammasome mediates hallmark neuropathological alterations and cognitive impairment in a mouse model of vascular dementia. <i>Molecular Psychiatry</i> , 2021, 26, 4544-4560.	7.9	71
45	miR-146a-3p-mediated GlcNAcylation ameliorates the pathological manifestations of Alzheimer's disease by inhibiting necroptosis. <i>Science Advances</i> , 2021, 7, .	10.3	68
46	Pro-apoptotic function of calsenilin/DREAM/KCHIP3. <i>FASEB Journal</i> , 2001, 15, 589-591.	0.5	67
47	Numb Endocytic Adapter Proteins Regulate the Transport and Processing of the Amyloid Precursor Protein in an Isoform-dependent Manner. <i>Journal of Biological Chemistry</i> , 2008, 283, 25492-25502.	3.4	67
48	Improved Antitumor Activity and Tumor Targeting of NH ₂ -Terminal-Specific PEGylated Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand. <i>Molecular Cancer Therapeutics</i> , 2010, 9, 1719-1729.	4.1	65
49	Cloning of a SH3 Domain-Containing Proline-Rich Protein, p85SPR, and Its Localization in Focal Adhesion. <i>Biochemical and Biophysical Research Communications</i> , 1997, 235, 794-798.	2.1	63
50	Functional recovery in photo-damaged human dermal fibroblasts by human adipose-derived stem cell extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2019, 8, 1565885.	12.2	63
51	Neuroprotective actions of a histidine analogue in models of ischemic stroke. <i>Journal of Neurochemistry</i> , 2007, 101, 729-736.	3.9	62
52	Systemic PEGylated TRAIL treatment ameliorates liver cirrhosis in rats by eliminating activated hepatic stellate cells. <i>Hepatology</i> , 2016, 64, 209-223.	7.3	59
53	Down-regulation of Mortalin Exacerbates A β 2-mediated Mitochondrial Fragmentation and Dysfunction. <i>Journal of Biological Chemistry</i> , 2014, 289, 2195-2204.	3.4	58
54	miR-146a-3p promotes neuronal death in stroke by stabilizing Notch intracellular domain. <i>Annals of Neurology</i> , 2015, 77, 504-516.	5.3	58

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55	Self-assembled dextran sulphate nanoparticles for targeting rheumatoid arthritis. <i>Chemical Communications</i> , 2013, 49, 10349-10351.	4.1	57
56	Ionic complex systems based on hyaluronic acid and PEGylated TNF-related apoptosis-inducing ligand for treatment of rheumatoid arthritis. <i>Biomaterials</i> , 2010, 31, 9057-9064.	11.4	55
57	Induction of pro-apoptotic calsenilin/DREAM/KChIP3 in Alzheimer's disease and cultured neurons after amyloid-beta exposure. <i>Journal of Neurochemistry</i> , 2004, 88, 604-611.	3.9	52
58	Calcium Binding of ARC Mediates Regulation of Caspase 8 and Cell Death. <i>Molecular and Cellular Biology</i> , 2004, 24, 9763-9770.	2.3	51
59	Neuronal vulnerability of CLN3 deletion to calcium-induced cytotoxicity is mediated by calsenilin. <i>Human Molecular Genetics</i> , 2007, 16, 317-326.	2.9	50
60	Silk proteins stimulate osteoblast differentiation by suppressing the Notch signaling pathway in mesenchymal stem cells. <i>Nutrition Research</i> , 2013, 33, 162-170.	2.9	50
61	Intermittent fasting increases adult hippocampal neurogenesis. <i>Brain and Behavior</i> , 2020, 10, e01444.	2.2	49
62	Pancortin-2 Interacts with WAVE1 and Bcl-xL in a Mitochondria-Associated Protein Complex That Mediates Ischemic Neuronal Death. <i>Journal of Neuroscience</i> , 2007, 27, 1519-1528.	3.6	48
63	Cell reprogramming using extracellular vesicles from differentiating stem cells into white/beige adipocytes. <i>Science Advances</i> , 2020, 6, eaay6721.	10.3	48
64	Selenium attenuates $A\beta$ production and $A\beta$ -induced neuronal death. <i>Neuroscience Letters</i> , 2010, 469, 391-395.	2.1	47
65	Evidence That the EphA2 Receptor Exacerbates Ischemic Brain Injury. <i>PLoS ONE</i> , 2013, 8, e53528.	2.5	46
66	Curcumin-based electrochemical sensor of amyloid- β oligomer for the early detection of Alzheimer's disease. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 1593-1599.	7.8	46
67	Evidence that adiponectin receptor 1 activation exacerbates ischemic neuronal death. <i>Experimental & Translational Stroke Medicine</i> , 2010, 2, 15.	3.2	45
68	Engineering approaches for effective therapeutic applications based on extracellular vesicles. <i>Journal of Controlled Release</i> , 2021, 330, 15-30.	9.9	45
69	Reactive oxygen species-responsive dendritic cell-derived exosomes for rheumatoid arthritis. <i>Acta Biomaterialia</i> , 2021, 128, 462-473.	8.3	45
70	Overexpression of calsenilin enhances β -secretase activity. <i>Neuroscience Letters</i> , 2005, 378, 59-64.	2.1	43
71	The role of inflammasomes in vascular cognitive impairment. <i>Molecular Neurodegeneration</i> , 2022, 17, 4.	10.8	43
72	Intravenous immunoglobulin protects neurons against amyloid beta peptide toxicity and ischemic stroke by attenuating multiple cell death pathways. <i>Journal of Neurochemistry</i> , 2012, 122, 321-332.	3.9	40

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73	Tissue plasminogen activator arrests Alzheimer's disease pathogenesis. <i>Neurobiology of Aging</i> , 2014, 35, 511-519.	3.1	40
74	Phytochemicals in Ischemic Stroke. <i>NeuroMolecular Medicine</i> , 2016, 18, 283-305.	3.4	40
75	Neuropep-1 ameliorates learning and memory deficits in an Alzheimer's disease mouse model, increases brain-derived neurotrophic factor expression in the brain, and causes reduction of amyloid beta plaques. <i>Neurobiology of Aging</i> , 2014, 35, 990-1001.	3.1	39
76	Evidence that neuronal Notch-1 promotes JNK/c-Jun activation and cell death following ischemic stress. <i>Brain Research</i> , 2014, 1586, 193-202.	2.2	39
77	Monitoring of early diagnosis of Alzheimer's disease using the cellular prion protein and poly(pyrrole-2-carboxylic acid) modified electrode. <i>Biosensors and Bioelectronics</i> , 2018, 113, 82-87.	10.1	37
78	Interplay between Notch and p53 promotes neuronal cell death in ischemic stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 1781-1795.	4.3	37
79	Clusterin contributes to early stage of Alzheimer's disease pathogenesis. <i>Brain Pathology</i> , 2019, 29, 217-231.	4.1	37
80	Fc γ RIIb-SHIP2 axis links A β to tau pathology by disrupting phosphoinositide metabolism in Alzheimer's disease model. <i>ELife</i> , 2016, 5, .	6.0	36
81	Transcriptome analysis reveals intermittent fasting-induced genetic changes in ischemic stroke. <i>Human Molecular Genetics</i> , 2018, 27, 1497-1513.	2.9	34
82	Human adipose stem cell-derived extracellular nanovesicles for treatment of chronic liver fibrosis. <i>Journal of Controlled Release</i> , 2020, 320, 328-336.	9.9	34
83	Synthesis and Evaluation of Neuroprotective β -Unsaturated Aldehyde Scavenger Histidyl-Containing Analogues of Carnosine. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 6156-6161.	6.4	33
84	Physiology and pharmacology of amyloid precursor protein. , 2022, 235, 108122.		33
85	O-GlcNAcylation as a Therapeutic Target for Alzheimer's Disease. <i>NeuroMolecular Medicine</i> , 2020, 22, 171-193.	3.4	32
86	Induction of pro-apoptotic calsenilin/DREAM/KChIP3 in Alzheimer's disease and cultured neurons after amyloid- β exposure. <i>Journal of Neurochemistry</i> , 2004, 88, 1570-1570.	3.9	31
87	Protection of Cardiomyocytes from Ischemic/Hypoxic Cell Death via Drbp1 and pMe2GlyDH in Cardio-specific ARC Transgenic Mice. <i>Journal of Biological Chemistry</i> , 2008, 283, 30707-30714.	3.4	31
88	Emerging Roles of Sirtuins in Ischemic Stroke. <i>Translational Stroke Research</i> , 2017, 8, 405-423.	4.2	31
89	Inactivation of farnesyltransferase and geranylgeranyltransferase I by caspase-3: Cleavage of the common β subunit during apoptosis. <i>Oncogene</i> , 2001, 20, 358-366.	5.9	30
90	Alzheimer peptides perturb lipid-regulating enzymes. <i>Nature Cell Biology</i> , 2005, 7, 1045-1047.	10.3	30

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91	Discovery of an Orally Bioavailable Benzofuran Analogue That Serves as a β -Amyloid Aggregation Inhibitor for the Potential Treatment of Alzheimer's Disease. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 396-402.	6.4	30
92	Novel Hypoxia-Inducible Factor 1 α (HIF-1 α) Inhibitors for Angiogenesis-Related Ocular Diseases: Discovery of a Novel Scaffold via Ring-Truncation Strategy. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 9266-9286.	6.4	30
93	Bioorthogonally surface-edited extracellular vesicles based on metabolic glycoengineering for CD44-mediated targeting of inflammatory diseases. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12077.	12.2	30
94	Effect of Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand on the Reduction of Joint Inflammation in Experimental Rheumatoid Arthritis. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 332, 858-865.	2.5	29
95	Cucurbitacin B and cucurbitacin I suppress adipocyte differentiation through inhibition of STAT3 signaling. <i>Food and Chemical Toxicology</i> , 2014, 64, 217-224.	3.6	28
96	Alzheimer's disease-causing presenilin-1 mutations have deleterious effects on mitochondrial function. <i>Theranostics</i> , 2021, 11, 8855-8873.	10.0	28
97	Contribution of presenilin/ β -secretase to casenilin-mediated apoptosis. <i>Biochemical and Biophysical Research Communications</i> , 2003, 305, 62-66.	2.1	27
98	Evidence for a detrimental role of TLR8 in ischemic stroke. <i>Experimental Neurology</i> , 2013, 250, 341-347.	4.1	27
99	Caspase cleavage product lacking amino-terminus of I β sensitizes resistant cells to TNF- α and TRAIL-induced apoptosis. <i>Journal of Cellular Biochemistry</i> , 2002, 85, 334-345.	2.6	25
100	Mix to Validate: A Facile, Reversible PEGylation for Fast Screening of Potential Therapeutic Proteins In Vivo. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6880-6884.	13.8	25
101	Notch1 deficiency decreases hepatic lipid accumulation by induction of fatty acid oxidation. <i>Scientific Reports</i> , 2016, 6, 19377.	3.3	25
102	Down-regulated TMED10 in Alzheimer disease induces autophagy via ATG4B activation. <i>Autophagy</i> , 2019, 15, 1495-1505.	9.1	25
103	Emerging roles of the β -secretase-notch axis in inflammation. , 2015, 147, 80-90.		24
104	Effects of chronic alcohol consumption on expression levels of APP and β -producing enzymes. <i>BMB Reports</i> , 2011, 44, 135-139.	2.4	24
105	Engineered small extracellular vesicles displaying ACE2 variants on the surface protect against SARS-CoV-2 infection. <i>Journal of Extracellular Vesicles</i> , 2022, 11, e12179.	12.2	24
106	Secretases as therapeutic targets for Alzheimer's disease. <i>Biochemical and Biophysical Research Communications</i> , 2011, 404, 10-15.	2.1	22
107	OCIAD2 activates β -secretase to enhance amyloid β production by interacting with nicastrin. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 2561-2576.	5.4	22
108	Inhibition of Notch1 induces population and suppressive activity of regulatory T cell in inflammatory arthritis. <i>Theranostics</i> , 2018, 8, 4795-4804.	10.0	22

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109	Down-regulation of ARC contributes to vulnerability of hippocampal neurons to ischemia/hypoxia. <i>FEBS Letters</i> , 2003, 543, 170-173.	2.8	21
110	Reduced expression of calsenilin/DREAM/KChIP3 in the brains of kainic acid-induced seizure and epilepsy patients. <i>Neuroscience Letters</i> , 2003, 340, 33-36.	2.1	21
111	PEGylated TRAIL ameliorates experimental inflammatory arthritis by regulation of Th17 cells and regulatory T cells. <i>Journal of Controlled Release</i> , 2017, 267, 163-171.	9.9	21
112	Modelling APOE ϵ 3/4 allele-associated sporadic Alzheimer's disease in an induced neuron. <i>Brain</i> , 2017, 140, 2193-2209.	7.6	21
113	Mulberry Fruit Extract Ameliorates Nonalcoholic Fatty Liver Disease (NAFLD) through Inhibition of Mitochondrial Oxidative Stress in Rats. <i>Evidence-based Complementary and Alternative Medicine</i> , 2018, 2018, 1-9.	1.2	21
114	TOM1 Regulates Neuronal Accumulation of Amyloid- β Oligomers by Fc γ RIIb2 Variant in Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2018, 38, 9001-9018.	3.6	21
115	White matter and neurological disorders. <i>Archives of Pharmacal Research</i> , 2020, 43, 920-931.	6.3	21
116	Vitamin A-coupled stem cell-derived extracellular vesicles regulate the fibrotic cascade by targeting activated hepatic stellate cells in vivo. <i>Journal of Controlled Release</i> , 2021, 336, 285-295.	9.9	20
117	Inhibition of Bcl10-mediated activation of NF- κ B by BinCARD, a Bcl10-interacting CARD protein. <i>FEBS Letters</i> , 2004, 578, 239-244.	2.8	19
118	Aberrant role of pyruvate kinase M2 in the regulation of gamma-secretase and memory deficits in Alzheimer's disease. <i>Cell Reports</i> , 2021, 37, 110102.	6.4	19
119	Genistein Mediates the Anti-Adipogenic Actions of <i>Sophora japonica</i> L. Extracts. <i>Journal of Medicinal Food</i> , 2011, 14, 360-368.	1.5	18
120	miR-195a Inhibits Adipocyte Differentiation by Targeting the Preadipogenic Determinator <i>Zfp423</i> . <i>Journal of Cellular Biochemistry</i> , 2015, 116, 2589-2597.	2.6	18
121	Autophagy Regulates Formation of Primary Cilia in Mefloquine-Treated Cells. <i>Biomolecules and Therapeutics</i> , 2015, 23, 327-332.	2.4	17
122	Atf3 induction is a therapeutic target for obesity and metabolic diseases. <i>Biochemical and Biophysical Research Communications</i> , 2018, 504, 903-908.	2.1	16
123	Site-specific impairment of perivascular adipose tissue on advanced atherosclerotic plaques using multimodal nonlinear optical imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 17765-17774.	7.1	16
124	Genome-Wide Transcriptome Analysis Reveals Intermittent Fasting-Induced Metabolic Rewiring in the Liver. <i>Dose-Response</i> , 2019, 17, 155932581987678.	1.6	16
125	Fermented ginseng extract, BST204, disturbs adipogenesis of mesenchymal stem cells through inhibition of S6 kinase 1 signaling. <i>Journal of Ginseng Research</i> , 2020, 44, 58-66.	5.7	15
126	Targeting HIF-1 α /NOTCH1 pathway eliminates CD44+ cancer stem-like cell phenotypes, malignancy, and resistance to therapy in head and neck squamous cell carcinoma. <i>Oncogene</i> , 2022, 41, 1352-1363.	5.9	15

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127	β -cyclodextrin-bearing glycol chitosan for long-acting formulation of an exenatide derivative. <i>Macromolecular Research</i> , 2014, 22, 816-819.	2.4	14
128	Characterization of subcellular localization and Ca ²⁺ modulation of calsenilin/DREAM/KChIP3. <i>NeuroReport</i> , 2008, 19, 1193-1197.	1.2	13
129	miR-351-5p/Miro2 axis contributes to hippocampal neural progenitor cell death via unbalanced mitochondrial fission. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 23, 643-656.	5.1	13
130	Nrf2 induces Ucp1 expression in adipocytes in response to β -AR stimulation and enhances oxygen consumption in high-fat diet-fed obese mice. <i>BMB Reports</i> , 2021, 54, 419-424.	2.4	13
131	Neuronal Aquaporin 1 Inhibits Amyloidogenesis by Suppressing the Interaction Between Beta-Secretase and Amyloid Precursor Protein. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 23-31.	3.6	11
132	Association of Gut Microbiome Dysbiosis with Neurodegeneration: Can Gut Microbe-Modifying Diet Prevent or Alleviate the Symptoms of Neurodegenerative Diseases?. <i>Life</i> , 2021, 11, 698.	2.4	11
133	Contribution of β -secretase to calcium-mediated cell death. <i>Neuroscience Letters</i> , 2010, 469, 425-428.	2.1	10
134	Integrative epigenomic and transcriptomic analyses reveal metabolic switching by intermittent fasting in brain. <i>GeroScience</i> , 2022, 44, 2171-2194.	4.6	10
135	Calsenilin Contributes to Neuronal Cell Death in Ischemic Stroke. <i>Brain Pathology</i> , 2013, 23, 402-412.	4.1	9
136	Cytotoxicity of lipid-soluble ginseng extracts is attenuated by plasma membrane redox enzyme NQO1 through maintaining redox homeostasis and delaying apoptosis in human neuroblastoma cells. <i>Archives of Pharmacal Research</i> , 2016, 39, 1339-1348.	6.3	9
137	Cerebral transcriptome analysis reveals age-dependent progression of neuroinflammation in P301S mutant tau transgenic male mice. <i>Brain, Behavior, and Immunity</i> , 2019, 80, 344-357.	4.1	9
138	SERP1 is an assembly regulator of β -secretase in metabolic stress conditions. <i>Science Signaling</i> , 2020, 13, .	3.6	9
139	Dietary Restriction and Epigenetics: Part I. <i>Conditioning Medicine</i> , 2019, 2, 284-299.	1.3	9
140	Indomethacin preconditioning induces ischemic tolerance by modifying zinc availability in the brain. <i>Neurobiology of Disease</i> , 2015, 81, 186-195.	4.4	7
141	S6K1 controls epigenetic plasticity for the expression of pancreatic β cell marker genes. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 6674-6683.	2.6	7
142	Cks1 regulates human hepatocellular carcinoma cell progression through osteopontin expression. <i>Biochemical and Biophysical Research Communications</i> , 2019, 508, 275-281.	2.1	7
143	Stem Cell-Derived Extracellular Vesicle-Bearing Dermal Filler Ameliorates the Dermis Microenvironment by Supporting CD301b-Expressing Macrophages. <i>ACS Nano</i> , 2022, 16, 251-260.	14.6	7
144	Robust Therapeutic Efficacy of Matrix Metalloproteinase-2-Cleavable Fas-1-RGD Peptide Complex in Chronic Inflammatory Arthritis. <i>PLoS ONE</i> , 2016, 11, e0164102.	2.5	6

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145	Vanillin attenuates negative effects of ultraviolet A on the stemness of human adipose tissue-derived mesenchymal stem cells. <i>Food and Chemical Toxicology</i> , 2016, 96, 62-69.	3.6	6
146	Molecule-Resolved Visualization of Particulate Matter on Human Skin Using Multimodal Nonlinear Optical Imaging. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5199.	4.1	6
147	Inhibitor of DNA binding 2 (Id2) mediates microtubule polymerization in the brain by regulating $\hat{\pm}$ K40 acetylation of $\hat{\pm}$ -tubulin. <i>Cell Death Discovery</i> , 2021, 7, 257.	4.7	6
148	Intracellular and Mitochondrial Reactive Oxygen Species Measurement in Primary Cultured Neurons. <i>Bio-protocol</i> , 2018, 8, .	0.4	6
149	Thiolated Glycol Chitosan Bearing $\hat{\pm}$ -Cyclodextrin for Sustained Delivery of PEGylated Human Growth Hormone. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2012, 23, 1995-2005.	3.5	5
150	Length difference of multi-walled carbon nanotubes generates differential cytotoxic responses. <i>Journal of Applied Toxicology</i> , 2021, 41, 1414-1424.	2.8	5
151	Hippocampal transcriptome profiling reveals common disease pathways in chronic hypoperfusion and aging. <i>Aging</i> , 2021, 13, 14651-14674.	3.1	5
152	Suppression of Cpn10 Increases Mitochondrial Fission and Dysfunction in Neuroblastoma Cells. <i>PLoS ONE</i> , 2014, 9, e112130.	2.5	5
153	Molecular chaperone-like hyaluronic acid nanoparticles: Implications as the carrier for protein delivery systems. <i>Macromolecular Research</i> , 2012, 20, 1007-1010.	2.4	4
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