Jongpil Kim

List of Publications by Year
in descending order

52 papers	3,514 citations	304743 22 h-index	182427 51 g-index
53 all docs	53 docs citations	53 times ranked	6190 citing authors

#	Article	IF	Citations
1	In vivo therapeutic genome editing via CRISPR/Cas9 magnetoplexes for myocardial infarction. Biomaterials, 2022, 281, 121327.	11.4	10
2	Activation of melatonin receptor 1 by CRISPRâ€Cas9 activator ameliorates cognitive deficits in an Alzheimer's disease mouse model. Journal of Pineal Research, 2022, 72, .	7.4	12
3	Bifidobacterium bifidum BGN4 and Bifidobacterium longum BORI promotes neuronal rejuvenation in aged mice. Biochemical and Biophysical Research Communications, 2022, 603, 41-48.	2.1	8
4	Dormant state of quiescent neural stem cells links Shank3 mutation to autism development. Molecular Psychiatry, 2022, 27, 2751-2765.	7.9	10
5	Aberrant qNSC activity mediates decreased active neurogenesis in the Shank3 deficient Autism development. Molecular Psychiatry, 2022, 27, 2637-2637.	7.9	0
6	Administration of Bifidobacterium bifidum BGN4 and Bifidobacterium longum BORI Improves Cognitive and Memory Function in the Mouse Model of Alzheimerâ€™s Disease. Frontiers in Aging Neuroscience, 2021, 13, 709091.	3.4	29
7	Electromagnetized Graphene Facilitates Direct Lineage Reprogramming into Dopaminergic Neurons. Advanced Functional Materials, 2021, 31, 2105346.	14.9	6
8	Electromagnetized gold nanoparticles improve neurogenesis and cognition in the aged brain. Biomaterials, 2021, 278, 121157.	11.4	16
9	Transcriptional activation with Cas9 activator nanocomplexes rescues Alzheimer's disease pathology. Biomaterials, 2021, 279, 121229.	11.4	8
10	Rad50 mediates DNA demethylation to establish pluripotent reprogramming. Experimental and Molecular Medicine, 2020, 52, 1116-1127.	7.7	9
11	Valproic Acid Significantly Improves CRISPR/Cas9-Mediated Gene Editing. Cells, 2020, 9, 1447.	4.1	10
12	Modelling neurodegenerative diseases with <scp>3D</scp> brain organoids. Biological Reviews, 2020, 95, 1497-1509.	10.4	30
13	Epitranscriptomic N⁶-Methyladenosine Modification Is Required for Direct Lineage Reprogramming into Neurons. ACS Chemical Biology, 2020, 15, 2087-2097.	3.4	8
14	Acceleration of somatic cell reprogramming into the induced pluripotent stem cell using a mycosporine-like amino acid, Porphyra 334. Scientific Reports, 2020, 10, 3684.	3.3	8
15	Acupuncture Alleviates Levodopa-Induced Dyskinesia via Melanin-Concentrating Hormone in Pitx3-Deficient aphakia and 6-Hydroxydopamine-Lesioned Mice. Molecular Neurobiology, 2019, 56, 2408-2423.	4.0	2
16	Nac1 facilitates pluripotency gene activation for establishing somatic cell reprogramming. Biochemical and Biophysical Research Communications, 2019, 518, 253-258.	2.1	4
17	Identification of Latrophilin-2 as a Novel Cell-Surface Marker for the Cardiomyogenic Lineage and Its Functional Significance in Heart Development. Circulation, 2019, 139, 2910-2912.	1.6	10
18	Nasal Cavity Administration of Melanin-Concentrating Hormone Improves Memory Impairment in Memory-Impaired and Alzheimerâ€™s Disease Mouse Models. Molecular Neurobiology, 2019, 56, 8076-8086.	4.0	16

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19	Direct conversion of fibroblasts to osteoblasts as a novel strategy for bone regeneration in elderly individuals. Experimental and Molecular Medicine, 2019, 51, 1-8.	7.7	28
20	In vivo neuronal gene editing via CRISPRâ€"Cas9 amphiphilic nanocomplexes alleviates deficits in mouse models of Alzheimerâ€™s disease. Nature Neuroscience, 2019, 22, 524-528.	14.8	183
21	Effects of a hypomagnetic field on DNA methylation during the differentiation of embryonic stem cells. Scientific Reports, 2019, 9, 1333.	3.3	24
22	Modeling G2019S-LRRK2 Sporadic Parkinson's Disease in 3D Midbrain Organoids. Stem Cell Reports, 2019, 12, 518-531.	4.8	223
23	Efficient in vivo direct conversion of fibroblasts into cardiomyocytes using a nanoparticle-based gene carrier. Biomaterials, 2019, 192, 500-509.	11.4	64
24	Neural induction of porcineâ€induced pluripotent stem cells and further differentiation using glioblastomaâ€cultured medium. Journal of Cellular and Molecular Medicine, 2019, 23, 2052-2063.	3.6	16
25	Novel analgesic effects of melanin-concentrating hormone on persistent neuropathic and inflammatory pain in mice. Scientific Reports, 2018, 8, 707.	3.3	22
26	Salusin-Î² mediate neuroprotective effects for Parkinson's disease. Biochemical and Biophysical Research Communications, 2018, 503, 1428-1433.	2.1	8
27	Investigating the role of Sirtuins in cell reprogramming. BMB Reports, 2018, 51, 500-507.	2.4	17
28	Inhibition of Drp1 Ameliorates Synaptic Depression, AÎ² Deposition, and Cognitive Impairment in an Alzheimer's Disease Model. Journal of Neuroscience, 2017, 37, 5099-5110.	3.6	176
29	Electromagnetized gold nanoparticles mediate direct lineage reprogramming into induced dopamine neurons in vivo for Parkinson's disease therapy. Nature Nanotechnology, 2017, 12, 1006-1014.	31.5	113
30	Modelling APOE É›3/4 allele-associated sporadic Alzheimerâ€™s disease in an induced neuron. Brain, 2017, 140, 2193-2209.	7.6	21
31	Effects of a combination treatment of KD5040 and L-dopa in a mouse model of Parkinsonâ€™s disease. BMC Complementary and Alternative Medicine, 2017, 17, 220.	3.7	19
32	Novel Neuroprotective Effects of Melanin-Concentrating Hormone in Parkinsonâ€™s Disease. Molecular Neurobiology, 2017, 54, 7706-7721.	4.0	27
33	Generation of Integrationâ€Free Induced Neurons Using Graphene Oxideâ€Polyethylenimine. Small, 2017, 13, 1601993.	10.0	32
34	Modeling of Autism Using Organoid Technology. Molecular Neurobiology, 2017, 54, 7789-7795.	4.0	17
35	MPTP-induced vulnerability of dopamine neurons in A53T Î±-synuclein overexpressed mice with the potential involvement of DJ-1 downregulation. Korean Journal of Physiology and Pharmacology, 2017, 21, 625.	1.2	20
36	Degeneration of Dopaminergic Neurons Due to Metabolic Alterations and Parkinsonâ€™s Disease. Frontiers in Aging Neuroscience, 2016, 8, 65.	3.4	39

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37	Role of Sirtuins in Linking Metabolic Syndrome with Depression. Frontiers in Cellular Neuroscience, 2016, 10, 86.	3.7	13
38	Sound Waves Induce Neural Differentiation of Human Bone Marrow-Derived Mesenchymal Stem Cells via Ryanodine Receptor-Induced Calcium Release and Pyk2 Activation. Applied Biochemistry and Biotechnology, 2016, 180, 682-694.	2.9	13
39	Efficient mRNA delivery with graphene oxide-polyethylenimine for generation of footprint-free human induced pluripotent stem cells. Journal of Controlled Release, 2016, 235, 222-235.	9.9	99
40	Nanogrooved substrate promotes direct lineage reprogramming ofÂfibroblasts to functional induced dopaminergic neurons. Biomaterials, 2015, 45, 36-45.	11.4	66
41	p53 signalling mediates acupuncture-induced neuroprotection in Parkinson's disease. Biochemical and Biophysical Research Communications, 2015, 460, 772-779.	2.1	23
42	Homogeneous generation of iDA neurons with high similarity to bona fide DA neurons using a drug inducible system. Biomaterials, 2015, 72, 152-162.	11.4	6
43	Egr1 mediated the neuronal differentiation induced by extremely low-frequency electromagnetic fields. Life Sciences, 2014, 102, 16-27.	4.3	28
44	Electromagnetic Fields Mediate Efficient Cell Reprogramming into a Pluripotent State. ACS Nano, 2014, 8, 10125-10138.	14.6	64
45	Ebf3-miR218 regulation is involved in the development of dopaminergic neurons. Brain Research, 2014, 1587, 23-32.	2.2	23
46	Gastrodia elata Blume alleviates L-DOPA-induced dyskinesia by normalizing FosB and ERK activation in a 6-OHDA-lesioned Parkinsonâ€™s disease mouse model. BMC Complementary and Alternative Medicine, 2014, 14, 107.	3.7	28
47	Cell reprogramming into the pluripotent state using graphene based substrates. Biomaterials, 2014, 35, 8321-8329.	11.4	55
48	Impaired motor coordination in Pitx3 overexpression mice. Biochemical and Biophysical Research Communications, 2014, 446, 1211-1218.	2.1	7
49	Tet1 Is Dispensable for Maintaining Pluripotency and Its Loss Is Compatible with Embryonic and Postnatal Development. Cell Stem Cell, 2011, 9, 166-175.	11.1	453
50	Functional Integration of Dopaminergic Neurons Directly Converted from Mouse Fibroblasts. Cell Stem Cell, 2011, 9, 413-419.	11.1	238
51	Reprogramming of Postnatal Neurons into Induced Pluripotent Stem Cells by Defined Factors. Stem Cells, 2011, 29, 992-1000.	3.2	59
52	A MicroRNA Feedback Circuit in Midbrain Dopamine Neurons. Science, 2007, 317, 1220-1224.	12.6	1,094