

Doo Y Kim

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

3,766
citations

377584

21
h-index

511568

30
g-index

32
all docs

32
docs citations

32
times ranked

6023
citing authors

#	ARTICLE	IF	CITATIONS
1	Neurotechnological Approaches to the Diagnosis and Treatment of Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2022, 16, 854992.	1.4	12
2	Dissecting Alzheimer's disease pathogenesis in human 2D and 3D models. <i>Molecular and Cellular Neurosciences</i> , 2021, 110, 103568.	1.0	30
3	3D Alzheimer's disease in a dish: Implications for drug discovery. , 2021, , 311-331.		1
4	Patterning of interconnected human brain spheroids. <i>Lab on A Chip</i> , 2021, 21, 3532-3540.	3.1	7
5	Severe reactive astrocytes precipitate pathological hallmarks of Alzheimer's disease via H ₂ O ₂ production. <i>Nature Neuroscience</i> , 2020, 23, 1555-1566.	7.1	154
6	Amyloid- β 42/40 ratio drives tau pathology in 3D human neural cell culture models of Alzheimer's disease. <i>Nature Communications</i> , 2020, 11, 1377.	5.8	88
7	β -Secretase BACE1 Promotes Surface Expression and Function of Kv3.4 at Hippocampal Mossy Fiber Synapses. <i>Journal of Neuroscience</i> , 2018, 38, 3480-3494.	1.7	15
8	Human Neurospheroid Arrays for In Vitro Studies of Alzheimer's Disease. <i>Scientific Reports</i> , 2018, 8, 2450.	1.6	98
9	Three-Dimensional Models of the Human Brain Development and Diseases. <i>Advanced Healthcare Materials</i> , 2018, 7, 1700723.	3.9	73
10	A novel lysosome-mitochondria signaling pathway disrupted by amyloid- β oligomers. <i>EMBO Journal</i> , 2018, 37, .	3.5	47
11	Combined adult neurogenesis and BDNF mimic exercise effects on cognition in an Alzheimer's mouse model. <i>Science</i> , 2018, 361, .	6.0	536
12	A 3D human triculture system modeling neurodegeneration and neuroinflammation in Alzheimer's disease. <i>Nature Neuroscience</i> , 2018, 21, 941-951.	7.1	458
13	BACE1 Regulates Proliferation and Neuronal Differentiation of Newborn Cells in the Adult Hippocampus in Mice. <i>ENeuro</i> , 2018, 5, ENEURO.0067-18.2018.	0.9	21
14	Pharmacological and Toxicological Properties of the Potent Oral β -Secretase Modulator BPN-15606. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2017, 362, 31-44.	1.3	36
15	Microglial dysfunction as a key pathological change in adrenomyeloneuropathy. <i>Annals of Neurology</i> , 2017, 82, 813-827.	2.8	37
16	3D culture models of Alzheimer's disease: a road map to a "culture-in-a-dish". <i>Molecular Neurodegeneration</i> , 2016, 11, 75.	4.4	109
17	Alzheimer's in 3D culture: Challenges and perspectives. <i>BioEssays</i> , 2015, 37, 1139-1148.	1.2	83
18	β -Secretase modulators reduce endogenous amyloid β ₄₂ levels in human neural progenitor cells without altering neuronal differentiation. <i>FASEB Journal</i> , 2015, 29, 3335-3341.	0.2	10

#	ARTICLE	IF	CITATIONS
19	A 3D human neural cell culture system for modeling Alzheimer's disease. <i>Nature Protocols</i> , 2015, 10, 985-1006.	5.5	209
20	BACE1 modulates gating of KCNQ1 (Kv7.1) and cardiac delayed rectifier KCNQ1/KCNE1 (IKs). <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 89, 335-348.	0.9	14
21	Recapitulating Amyloid β and Tau Pathology in Human Neural Cell Culture Models—Clinical Implications. <i>US Neurology</i> , 2015, 11, 102.	0.2	19
22	The E280A Presenilin Mutation Reduces Voltage-Gated Sodium Channel Levels in Neuronal Cells. <i>Neurodegenerative Diseases</i> , 2014, 13, 64-68.	0.8	3
23	BACE1 activity regulates cell surface contactin-2 levels. <i>Molecular Neurodegeneration</i> , 2014, 9, 4.	4.4	44
24	A three-dimensional human neural cell culture model of Alzheimer's disease. <i>Nature</i> , 2014, 515, 274-278.	13.7	950
25	BACE1 and presenilin-1 secretase regulate proteolytic processing of KCNE1 and 2, auxiliary subunits of voltage-gated potassium channels. <i>FASEB Journal</i> , 2013, 27, 2458-2467.	0.2	40
26	Reduced Sodium Channel Nav1.1 Levels in BACE1-null Mice. <i>Journal of Biological Chemistry</i> , 2011, 286, 8106-8116.	1.6	80
27	Surface Trafficking of Sodium Channels in Cells and in Hippocampal Slices. <i>Methods in Molecular Biology</i> , 2011, 793, 351-361.	0.4	7
28	Alzheimer's secretases regulate voltage-gated sodium channels. <i>Neuroscience Letters</i> , 2010, 486, 68-72.	1.0	26
29	BACE1 regulates voltage-gated sodium channels and neuronal activity. <i>Nature Cell Biology</i> , 2007, 9, 755-764.	4.6	274
30	Presenilin-1 Secretase-mediated Cleavage of the Voltage-gated Sodium Channel β 2-Subunit Regulates Cell Adhesion and Migration. <i>Journal of Biological Chemistry</i> , 2005, 280, 23251-23261.	1.6	131
31	Nectin-1 β , an Immunoglobulin-like Receptor Involved in the Formation of Synapses, Is a Substrate for Presenilin-1 Secretase-like Cleavage. <i>Journal of Biological Chemistry</i> , 2002, 277, 49976-49981.	1.6	154