

# Jungsu Kim

## List of Publications by Year in descending order

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Version: 2024-02-01

63  
papers

8,204  
citations

87723

38  
h-index

133063

59  
g-index

73  
all docs

73  
docs citations

73  
times ranked

11446  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tubular human brain organoids to model microglia-mediated neuroinflammation. <i>Lab on A Chip</i> , 2021, 21, 2751-2762.	3.1	41
2	MicroRNAs on the move: microRNAs in astrocyte-derived ApoE particles regulate neuronal function. <i>Neuron</i> , 2021, 109, 907-909.	3.8	2
3	Deletion of <i>Abi3</i> gene locus exacerbates neuropathological features of Alzheimer's disease in a mouse model of A $\beta$ amyloidosis. <i>Science Advances</i> , 2021, 7, eabe3954.	4.7	26
4	Acoustofluidic assembly of 3D neurospheroids to model Alzheimer's disease. <i>Analyst</i> , 2020, 145, 6243-6253.	1.7	44
5	Loss of homeostatic microglial phenotype in CSF1R-related Leukoencephalopathy. <i>Acta Neuropathologica Communications</i> , 2020, 8, 72.	2.4	42
6	MicroRNA 7 Impairs Insulin Signaling and Regulates A $\beta$ Levels through Posttranscriptional Regulation of the Insulin Receptor Substrate 2, Insulin Receptor, Insulin-Degrading Enzyme, and Liver X Receptor Pathway. <i>Molecular and Cellular Biology</i> , 2019, 39, .	1.1	51
7	Apolipoprotein E metabolism and functions in brain and its role in Alzheimer's disease. <i>Current Opinion in Lipidology</i> , 2017, 28, 60-67.	1.2	123
8	Shared genetic risk between corticobasal degeneration, progressive supranuclear palsy, and frontotemporal dementia. <i>Acta Neuropathologica</i> , 2017, 133, 825-837.	3.9	90
9	Intra- and Inter-individual Variability of microRNA Levels in Human Cerebrospinal Fluid: Critical Implications for Biomarker Discovery. <i>Scientific Reports</i> , 2017, 7, 12720.	1.6	18
10	APOE Genotype Differentially Modulates Effects of Anti-A $\beta$ , Passive Immunization in APP Transgenic Mice. <i>Molecular Neurodegeneration</i> , 2017, 12, 12.	4.4	25
11	[P4125]: THE MOLECULAR CHAPERONE BRICHOS INHIBITS A $\beta$ AGGREGATION AND OTHER NEUROPATHOLOGICAL PHENOTYPES IN A MOUSE MODEL OF A $\beta$ AMYLOIDOSIS. <i>Alzheimer's and Dementia</i> , 2017, 13, P1304.	0.4	0
12	miR-186 is decreased in aged brain and suppresses BACE1 expression. <i>Journal of Neurochemistry</i> , 2016, 137, 436-445.	2.1	78
13	P4059: Aging-Associated Microrna-186-5P Regulates Abeta Level Through Bace1. <i>Alzheimer's and Dementia</i> , 2016, 12, P1037.	0.4	0
14	A Mercaptoacetamide-Based Class II Histone Deacetylase Inhibitor Increases Dendritic Spine Density via RasGRF1/ERK Pathway. <i>Journal of Alzheimer's Disease</i> , 2016, 51, 591-604.	1.2	21
15	miR-27a and miR-27b regulate autophagic clearance of damaged mitochondria by targeting PTEN-induced putative kinase 1 (PINK1). <i>Molecular Neurodegeneration</i> , 2016, 11, 55.	4.4	106
16	O5-03-01: Apolipoprotein E Genotype Differentially Modulates Effects of ANTI-AB Immunotherapy. , 2016, 12, P381-P382.		1
17	MicroRNAs in brain cholesterol metabolism and their implications for Alzheimer's disease. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016, 1861, 2139-2147.	1.2	18
18	Clec16a is Critical for Autolysosome Function and Purkinje Cell Survival. <i>Scientific Reports</i> , 2016, 6, 23326.	1.6	31

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19	Genome-wide association study of corticobasal degeneration identifies risk variants shared with progressive supranuclear palsy. <i>Nature Communications</i> , 2015, 6, 7247.	5.8	170
20	Common Pesticide, Dichlorodiphenyltrichloroethane (DDT), Increases Amyloid- $\beta^2$ Levels by Impairing the Function of ABCA1 and IDE: Implication for Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2015, 46, 109-122.	1.2	25
21	Special issue on neurodegenerative diseases and their therapeutic approaches. <i>Experimental and Molecular Medicine</i> , 2015, 47, e146-e146.	3.2	5
22	Mitochondrial ATP synthase activity is impaired by suppressed <i>O</i> -GlcNAcylation in Alzheimer's disease. <i>Human Molecular Genetics</i> , 2015, 24, 6492-6504.	1.4	74
23	The E3 ubiquitin ligase Idol controls brain LDL receptor expression, ApoE clearance, and A $\beta^2$ amyloidosis. <i>Science Translational Medicine</i> , 2015, 7, 314ra184.	5.8	30
24	microRNA-33 Regulates ApoE Lipidation and Amyloid- $\beta^2$ Metabolism in the Brain. <i>Journal of Neuroscience</i> , 2015, 35, 14717-14726.	1.7	104
25	Apolipoprotein E in Synaptic Plasticity and Alzheimer's Disease: Potential Cellular and Molecular Mechanisms. <i>Molecules and Cells</i> , 2014, 37, 767-776.	1.0	113
26	Analysis of Extracellular RNA by Digital PCR. <i>Frontiers in Oncology</i> , 2014, 4, 129.	1.3	38
27	Small Bifunctional Chelators That Do Not Disaggregate Amyloid $\beta^2$ Fibrils Exhibit Reduced Cellular Toxicity. <i>Inorganic Chemistry</i> , 2014, 53, 11367-11376.	1.9	43
28	Anti-ApoE Antibody Given after Plaque Onset Decreases A $\beta^2$ Accumulation and Improves Brain Function in a Mouse Model of A $\beta^2$ Amyloidosis. <i>Journal of Neuroscience</i> , 2014, 34, 7281-7292.	1.7	102
29	Blocking the apoE/A $\beta^2$ interaction ameliorates A $\beta^2$ -related pathology in APOE $\epsilon^2$ and $\epsilon^4$ targeted replacement Alzheimer model mice. <i>Acta Neuropathologica Communications</i> , 2014, 2, 75.	2.4	42
30	Blocking the apoE/A $\beta^2$ interaction ameliorates A $\beta^2$ -related pathology in APOE $\epsilon^2$ and $\epsilon^4$ targeted replacement Alzheimer model mice. <i>Acta Neuropathologica Communications</i> , 2014, 2, 75.	2.4	36
31	Normal cognition in transgenic BRI2-A $\beta^2$ mice. <i>Molecular Neurodegeneration</i> , 2013, 8, 15.	4.4	74
32	The effect of Cu <sup>2+</sup> and Zn <sup>2+</sup> on the A $\beta^2$ peptide aggregation and cellular toxicity. <i>Metallomics</i> , 2013, 5, 1529.	1.0	114
33	Mercaptoacetamide-based class II HDAC inhibitor lowers A $\beta^2$ levels and improves learning and memory in a mouse model of Alzheimer's disease. <i>Experimental Neurology</i> , 2013, 239, 192-201.	2.0	117
34	Blocking the Interaction between Apolipoprotein E and A $\beta^2$ Reduces Intraneuronal Accumulation of A $\beta^2$ and Inhibits Synaptic Degeneration. <i>American Journal of Pathology</i> , 2013, 182, 1750-1768.	1.9	70
35	Attenuating astrocyte activation accelerates plaque pathogenesis in APP/PS1 mice. <i>FASEB Journal</i> , 2013, 27, 187-198.	0.2	254
36	Control of Cholesterol Metabolism and Plasma High-Density Lipoprotein Levels by microRNA-144. <i>Circulation Research</i> , 2013, 112, 1592-1601.	2.0	187

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37	Apolipoprotein E as a $\beta$ -amyloid-independent factor in Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , 2013, 5, 38.	3.0	48
38	Role of Autophagy in Alzheimer's Disease. <i>Current Enzyme Inhibition</i> , 2013, 9, 55-66.	0.3	1
39	Editorial (Hot Topic Therapeutic Targets in Neurodegenerative Diseases). <i>Current Enzyme Inhibition</i> , 2013, 9, 1-2.	0.3	0
40	Anti-apoE immunotherapy inhibits amyloid accumulation in a transgenic mouse model of $\beta$ amyloidosis. <i>Journal of Experimental Medicine</i> , 2012, 209, 2149-2156.	4.2	120
41	Bifunctional Compounds for Controlling Metal-Mediated Aggregation of the $\beta$ Peptide. <i>Journal of the American Chemical Society</i> , 2012, 134, 6625-6636.	6.6	187
42	APOE4-specific Changes in $\beta$ Accumulation in a New Transgenic Mouse Model of Alzheimer Disease. <i>Journal of Biological Chemistry</i> , 2012, 287, 41774-41786.	1.6	213
43	Measurement of apolipoprotein E and amyloid $\beta$ clearance rates in the mouse brain using bolus stable isotope labeling. <i>Molecular Neurodegeneration</i> , 2012, 7, 14.	4.4	23
44	Low-density Lipoprotein Receptor Represents an Apolipoprotein E-independent Pathway of $\beta$ Uptake and Degradation by Astrocytes. <i>Journal of Biological Chemistry</i> , 2012, 287, 13959-13971.	1.6	152
45	miR-106b impairs cholesterol efflux and increases $\beta$ levels by repressing ABCA1 expression. <i>Experimental Neurology</i> , 2012, 235, 476-483.	2.0	161
46	In Vivo Human Apolipoprotein E Isoform Fractional Turnover Rates in the CNS. <i>PLoS ONE</i> , 2012, 7, e38013.	1.1	43
47	Ultrastructural studies in APP/PS1 mice expressing human ApoE isoforms: implications for Alzheimer's disease. <i>International Journal of Clinical and Experimental Pathology</i> , 2012, 5, 482-95.	0.5	13
48	Haploinsufficiency of Human APOE Reduces Amyloid Deposition in a Mouse Model of Amyloid- $\beta$ Amyloidosis. <i>Journal of Neuroscience</i> , 2011, 31, 18007-18012.	1.7	166
49	Human apoE Isoforms Differentially Regulate Brain Amyloid- $\beta$ Peptide Clearance. <i>Science Translational Medicine</i> , 2011, 3, 89ra57.	5.8	924
50	Serotonin signaling is associated with lower amyloid- $\beta$ levels and plaques in transgenic mice and humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 14968-14973.	3.3	281
51	Tutorial on Drug Development for Central Nervous System. <i>Interdisciplinary Bio Central</i> , 2010, 2, 9.1-9.5.	0.1	0
52	Differential Effects of ApoE Isoforms on Dendritic Spines <i>In Vivo</i> : Linking an Alzheimer's Disease Risk Factor with Synaptic Alterations. <i>Journal of Neuroscience</i> , 2010, 30, 4526-4527.	1.7	4
53	Prion-Like Behavior of Amyloid- $\beta$ . <i>Science</i> , 2010, 330, 918-919.	6.0	26
54	The roles of GxxxG motif and gamma-secretase components in APP processing. <i>Interdisciplinary Bio Central</i> , 2009, 1, 1-7.	0.1	2

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55	The Role of Apolipoprotein E in Alzheimer's Disease. <i>Neuron</i> , 2009, 63, 287-303.	3.8	1,251
56	Overexpression of Low-Density Lipoprotein Receptor in the Brain Markedly Inhibits Amyloid Deposition and Increases Extracellular A $\beta$ Clearance. <i>Neuron</i> , 2009, 64, 632-644.	3.8	212
57	BRI2 (ITM2b) Inhibits A $\beta$ Deposition In Vivo. <i>Journal of Neuroscience</i> , 2008, 28, 6030-6036.	1.7	110
58	Amyloid precursor protein-induced axonopathies are independent of amyloid- $\beta$ peptides. <i>Human Molecular Genetics</i> , 2008, 17, 3474-3486.	1.4	68
59	Overexpression of ABCA1 reduces amyloid deposition in the PDAPP mouse model of Alzheimer disease. <i>Journal of Clinical Investigation</i> , 2008, 118, 671-82.	3.9	301
60	A $\beta$ 40 Inhibits Amyloid Deposition In Vivo. <i>Journal of Neuroscience</i> , 2007, 27, 627-633.	1.7	327
61	Insights into the mechanisms of action of anti-A $\beta$ antibodies in Alzheimer's disease mouse models. <i>FASEB Journal</i> , 2006, 20, 2576-2578.	0.2	110
62	A $\beta$ 42 Is Essential for Parenchymal and Vascular Amyloid Deposition in Mice. <i>Neuron</i> , 2005, 47, 191-199.	3.8	524
63	CHIP and Hsp70 regulate tau ubiquitination, degradation and aggregation. <i>Human Molecular Genetics</i> , 2004, 13, 703-714.	1.4	613