Takahisa Kanekiyo

List of Publications by Year
in descending order

64	7,850	100601	116156
papers	citations	38 h-index	66 g-index

69	69	69	12663
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Clinicopathologic Factors Associated With Reversion to Normal Cognition in Patients With Mild Cognitive Impairment. Neurology, 2022, 98, .	1.5	7
2	ApoE Cascade Hypothesis in the pathogenesis of Alzheimerâ€™s disease and related dementias. Neuron, 2022, 110, 1304-1317.	3.8	120
3	Functionalized nanoparticles for brain targeted BDNF gene therapy to rescue Alzheimer's disease pathology in transgenic mouse model. International Journal of Biological Macromolecules, 2022, 208, 901-911.	3.6	19
4	Mesenchymal stem cell therapy for focal epilepsy: A systematic review of preclinical models and clinical studies. Epilepsia, 2022, 63, 1607-1618.	2.6	7
5	Partial Inhibition of Mitochondrial Complex I Reduces Tau Pathology and Improves Energy Homeostasis and Synaptic Function in 3xTg-AD Mice. Journal of Alzheimer's Disease, 2021, 79, 335-353.	1.2	22
6	Vascular ApoE4 Impairs Behavior by Modulating Gliovascular Function. Neuron, 2021, 109, 438-447.e6.	3.8	42
7	ABCA7 Regulates Brain Fatty Acid Metabolism During LPS-Induced Acute Inflammation. Frontiers in Neuroscience, 2021, 15, 647974.	1.4	12
8	Genome-wide analysis identifies a novel LINC-PINT splice variant associated with vascular amyloid pathology in Alzheimerâ€™s disease. Acta Neuropathologica Communications, 2021, 9, 93.	2.4	9
9	Generation and validation of APOE knockout human iPSC-derived cerebral organoids. STAR Protocols, 2021, 2, 100571.	0.5	4
10	Apolipoprotein E regulates lipid metabolism and Î±-synuclein pathology in human iPSC-derived cerebral organoids. Acta Neuropathologica, 2021, 142, 807-825.	3.9	25
11	Partial inhibition of mitochondrial complex I ameliorates Alzheimerâ€™s disease pathology and cognition in APP/PS1 female mice. Communications Biology, 2021, 4, 61.	2.0	35
12	Counteracting Alzheimerâ€™s disease via somatic TERT activation. Nature Aging, 2021, 1, 1081-1082.	5.3	1
13	ApoE (Apolipoprotein E) in Brain Pericytes Regulates Endothelial Function in an Isoform-Dependent Manner by Modulating Basement Membrane Components. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 128-144.	1.1	45
14	APOE4 exacerbates synapse loss and neurodegeneration in Alzheimerâ€™s disease patient iPSC-derived cerebral organoids. Nature Communications, 2020, 11, 5540.	5.8	172
15	Tau and apolipoprotein E modulate cerebrovascular tight junction integrity independent of cerebral amyloid angiopathy in Alzheimer's disease. Alzheimer's and Dementia, 2020, 16, 1372-1383.	0.4	34
16	In vitro and in vivo characterization of CPP and transferrin modified liposomes encapsulating pDNA. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 28, 102225.	1.7	23
17	Dual-Modified Liposome for Targeted and Enhanced Gene Delivery into Mice Brain. Journal of Pharmacology and Experimental Therapeutics, 2020, 374, 354-365.	1.3	31
18	Alzheimerâ€™s Risk Factors Age, APOE Genotype, and Sex Drive Distinct Molecular Pathways. Neuron, 2020, 106, 727-742.e6.	3.8	152

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19	Efficient neuronal targeting and transfection using RVG and transferrin-conjugated liposomes. Brain Research, 2020, 1734, 146738.	1.1	41
20	Elevated Neutrophil-Lymphocyte Ratio is Predictive of Poor Outcomes Following Aneurysmal Subarachnoid Hemorrhage. Journal of Stroke and Cerebrovascular Diseases, 2020, 29, 104631.	0.7	29
21	Nerve Growth Factor Gene Delivery across the Bloodâ€“Brain Barrier to Reduce Beta Amyloid Accumulation in AD Mice. Molecular Pharmaceutics, 2020, 17, 2054-2063.	2.3	25
22	APOE2 is associated with longevity independent of Alzheimerâ€™s disease. ELife, 2020, 9, .	2.8	33
23	Development and screening of brain-targeted lipid-based nanoparticles with enhanced cell penetration and gene delivery properties . International Journal of Nanomedicine, 2019, Volume 14, 6497-6517.	3.3	51
24	ABCA7 haplodeficiency disturbs microglial immune responses in the mouse brain. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23790-23796.	3.3	43
25	Differential Effects of Extracellular Vesicles of Lineage-Specific Human Pluripotent Stem Cells on the Cellular Behaviors of Isogenic Cortical Spheroids. Cells, 2019, 8, 993.	1.8	29
26	ApoE-2 Brain-Targeted Gene Therapy Through Transferrin and Penetratin Tagged Liposomal Nanoparticles. Pharmaceutical Research, 2019, 36, 161.	1.7	48
27	Functionalized liposomal nanoparticles for efficient gene delivery system to neuronal cell transfection. International Journal of Pharmaceutics, 2019, 566, 717-730.	2.6	38
28	5-HT3 Antagonist Ondansetron Increases apoE Secretion by Modulating the LXR-ABCA1 Pathway. International Journal of Molecular Sciences, 2019, 20, 1488.	1.8	14
29	Selective loss of cortical endothelial tight junction proteins during Alzheimerâ€™s disease progression. Brain, 2019, 142, 1077-1092.	3.7	120
30	APOE4-mediated amyloid-Î² pathology depends on its neuronal receptor LRP1. Journal of Clinical Investigation, 2019, 129, 1272-1277.	3.9	96
31	Multiple system atrophy and apolipoprotein E. Movement Disorders, 2018, 33, 647-650.	2.2	15
32	Modeling Neurodegenerative Microenvironment Using Cortical Organoids Derived from Human Stem Cells. Tissue Engineering - Part A, 2018, 24, 1125-1137.	1.6	55
33	Pericyte implantation in the brain enhances cerebral blood flow and reduces amyloid-Î² pathology in amyloid model mice. Experimental Neurology, 2018, 300, 13-21.	2.0	53
34	Dual functionalized liposome-mediated gene delivery across triple co-culture blood brain barrier model and specific in vivo neuronal transfection. Journal of Controlled Release, 2018, 286, 264-278.	4.8	88
35	ABCA7 and Pathogenic Pathways of Alzheimerâ€™s Disease. Brain Sciences, 2018, 8, 27.	1.1	87
36	Astrocytic LRP1 Mediates Brain AÎ² Clearance and Impacts Amyloid Deposition. Journal of Neuroscience, 2017, 37, 4023-4031.	1.7	175

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37	Subacute ibuprofen treatment rescues the synaptic and cognitive deficits in advanced-aged mice. Neurobiology of Aging, 2017, 53, 112-121.	1.5	26
38	APOE Îµ4/Îµ4 diminishes neurotrophic function of human iPSC-derived astrocytes. Human Molecular Genetics, 2017, 26, 2690-2700.	1.4	162
39	Role of LRP1 in the pathogenesis of Alzheimer's disease: evidence from clinical and preclinical studies. Journal of Lipid Research, 2017, 58, 1267-1281.	2.0	174
40	Blood-Brain Barrier Dysfunction and the Pathogenesis of Alzheimerâ€™s Disease. International Journal of Molecular Sciences, 2017, 18, 1965.	1.8	273
41	APOE2 eases cognitive decline during Aging: Clinical and preclinical evaluations. Annals of Neurology, 2016, 79, 758-774.	2.8	77
42	Identification of plexin A4 as a novel clusterin receptor links two Alzheimerâ€™s disease risk genes. Human Molecular Genetics, 2016, 25, 3467-3475.	1.4	21
43	LRP1 modulates the microglial immune response via regulation of JNK and NF-ÎºB signaling pathways. Journal of Neuroinflammation, 2016, 13, 304.	3.1	101
44	ABCA7 Deficiency Accelerates Amyloid-Î² Generation and Alzheimer's Neuronal Pathology. Journal of Neuroscience, 2016, 36, 3848-3859.	1.7	109
45	Impact of sex and APOE4 on cerebral amyloid angiopathy in Alzheimerâ€™s disease. Acta Neuropathologica, 2016, 132, 225-234.	3.9	73
46	Neuronal heparan sulfates promote amyloid pathology by modulating brain amyloid-Î² clearance and aggregation in Alzheimerâ€™s disease. Science Translational Medicine, 2016, 8, 332ra44.	5.8	115
47	Apolipoprotein E as a Therapeutic Target in Alzheimerâ€™s Disease: A Review of Basic Research and Clinical Evidence. CNS Drugs, 2016, 30, 773-789.	2.7	93
48	Apolipoprotein E lipoprotein particles inhibit amyloid-Î² uptake through cell surface heparan sulphate proteoglycan. Molecular Neurodegeneration, 2016, 11, 37.	4.4	45
49	Rescuing effects of RXR agonist bexarotene on aging-related synapse loss depend on neuronal LRP1. Experimental Neurology, 2016, 277, 1-9.	2.0	50
50	The role of APOE in cerebrovascular dysfunction. Acta Neuropathologica, 2016, 131, 709-723.	3.9	161
51	Vascular Cell Senescence Contributes to Bloodâ€“Brain Barrier Breakdown. Stroke, 2016, 47, 1068-1077.	1.0	167
52	Central role for PICALM in amyloid-Î² blood-brain barrier transcytosis and clearance. Nature Neuroscience, 2015, 18, 978-987.	7.1	334
53	Apolipoprotein E Inhibits Cerebrovascular Pericyte Mobility through a RhoA Protein-mediated Pathway. Journal of Biological Chemistry, 2015, 290, 14208-14217.	1.6	49
54	Modulation of Mitochondrial Complex I Activity Averts Cognitive Decline in Multiple Animal Models of Familial Alzheimer's Disease. EBioMedicine, 2015, 2, 294-305.	2.7	87

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55	Neuronal LRP1 Regulates Glucose Metabolism and Insulin Signaling in the Brain. Journal of Neuroscience, 2015, 35, 5851-5859.	1.7	110
56	Low-Density Lipoprotein Receptor-Related Protein 1 (LRP1) Regulates the Stability and Function of GluA1 Î±-Amino-3-Hydroxy-5-Methyl-4-Isoxazole Propionic Acid (AMPA) Receptor in Neurons. PLoS ONE, 2014, 9, e113237.	1.1	28
57	The low-density lipoprotein receptor-related protein 1 and amyloid-ÃŽÂ² clearance in AlzheimerÃ¢â‚¬â„¢s disease. Frontiers in Aging Neuroscience, 2014, 6, 93.	1.7	199
58	Tyrosine-based Signal Mediates LRP6 Receptor Endocytosis and Desensitization of Wnt/Î²-Catenin Pathway Signaling. Journal of Biological Chemistry, 2014, 289, 27562-27570.	1.6	33
59	ApoE and AÎ² in Alzheimerâ€™s Disease: Accidental Encounters or Partners?. Neuron, 2014, 81, 740-754.	3.8	460
60	Retinoic Acid Isomers Facilitate Apolipoprotein E Production and Lipidation in Astrocytes through the Retinoid X Receptor/Retinoic Acid Receptor Pathway. Journal of Biological Chemistry, 2014, 289, 11282-11292.	1.6	62
61	Deficiency in LRP6-Mediated Wnt Signaling Contributes to Synaptic Abnormalities and Amyloid Pathology in Alzheimerâ€™s Disease. Neuron, 2014, 84, 63-77.	3.8	168
62	Apolipoprotein E and Alzheimer disease: risk, mechanisms and therapy. Nature Reviews Neurology, 2013, 9, 106-118.	4.9	2,482
63	Neuronal Clearance of Amyloid-Î² by Endocytic Receptor LRP1. Journal of Neuroscience, 2013, 33, 19276-19283.	1.7	206
64	LRP1 in Brain Vascular Smooth Muscle Cells Mediates Local Clearance of Alzheimer's Amyloid-Î². Journal of Neuroscience, 2012, 32, 16458-16465.	1.7	174