

He-Jin Lee

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

13,464
citations

87886

38
h-index

189881

50
g-index

50
all docs

50
docs citations

50
times ranked

20638
citing authors

#	ARTICLE	IF	CITATIONS
1	Senescence and impaired DNA damage responses in alpha-synucleinopathy models. <i>Experimental and Molecular Medicine</i> , 2022, 54, 115-128.	7.7	25
2	Alpha-Synuclein Inclusion Formation in Human Oligodendrocytes. <i>Biomolecules and Therapeutics</i> , 2021, 29, 83-89.	2.4	5
3	Arylsulfatase A, a genetic modifier of Parkinson's disease, is an α -synuclein chaperone. <i>Brain</i> , 2019, 142, 2845-2859.	7.6	44
4	Models of multiple system atrophy. <i>Experimental and Molecular Medicine</i> , 2019, 51, 1-10.	7.7	18
5	Immunotherapy targeting toll-like receptor 2 alleviates neurodegeneration in models of synucleinopathy by modulating α -synuclein transmission and neuroinflammation. <i>Molecular Neurodegeneration</i> , 2018, 13, 43.	10.8	117
6	LRRK2 kinase regulates α -synuclein propagation via RAB35 phosphorylation. <i>Nature Communications</i> , 2018, 9, 3465.	12.8	121
7	Mechanism of neuroprotection by trehalose: controversy surrounding autophagy induction. <i>Cell Death and Disease</i> , 2018, 9, 712.	6.3	133
8	Amplification of distinct α -synuclein fibril conformers through protein misfolding cyclic amplification. <i>Experimental and Molecular Medicine</i> , 2017, 49, e314-e314.	7.7	39
9	Is trehalose an autophagic inducer? Unraveling the roles of non-reducing disaccharides on autophagic flux and alpha-synuclein aggregation. <i>Cell Death and Disease</i> , 2017, 8, e3091-e3091.	6.3	50
10	Cell-to-cell Transmission of Polyglutamine Aggregates in <i>C. elegans</i> . <i>Experimental Neurobiology</i> , 2017, 26, 321-328.	1.6	19
11	Non-cell-autonomous Neurotoxicity of α -Synuclein Through Microglial Toll-like Receptor 2. <i>Experimental Neurobiology</i> , 2016, 25, 113-119.	1.6	77
12	Anti-aging treatments slow propagation of synucleinopathy by restoring lysosomal function. <i>Autophagy</i> , 2016, 12, 1849-1863.	9.1	59
13	Exposure to bacterial endotoxin generates a distinct strain of α -synuclein fibril. <i>Scientific Reports</i> , 2016, 6, 30891.	3.3	113
14	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
15	Cell Models to Study Cell-to-Cell Transmission of α -Synuclein. <i>Methods in Molecular Biology</i> , 2016, 1345, 291-298.	0.9	7
16	Loss of glucocerebrosidase 1 activity causes lysosomal dysfunction and α -synuclein aggregation. <i>Experimental and Molecular Medicine</i> , 2015, 47, e153-e153.	7.7	77
17	Antagonizing Neuronal Toll-like Receptor 2 Prevents Synucleinopathy by Activating Autophagy. <i>Cell Reports</i> , 2015, 13, 771-782.	6.4	113
18	ATP13A2/PARK9 Deficiency Neither Cause Lysosomal Impairment Nor Alter α -Synuclein Metabolism in SH-SY5Y Cells. <i>Experimental Neurobiology</i> , 2014, 23, 365-371.	1.6	8

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19	β 1-integrin-dependent migration of microglia in response to neuron-released β -synuclein. <i>Experimental and Molecular Medicine</i> , 2014, 46, e91-e91.	7.7	48
20	Extracellular β -synuclein—a novel and crucial factor in Lewy body diseases. <i>Nature Reviews Neurology</i> , 2014, 10, 92-98.	10.1	255
21	Glucocerebrosidase depletion enhances cell-to-cell transmission of β -synuclein. <i>Nature Communications</i> , 2014, 5, 4755.	12.8	157
22	Neuron-released oligomeric β -synuclein is an endogenous agonist of TLR2 for paracrine activation of microglia. <i>Nature Communications</i> , 2013, 4, 1562.	12.8	634
23	Autophagic failure promotes the exocytosis and intercellular transfer of β -synuclein. <i>Experimental and Molecular Medicine</i> , 2013, 45, e22-e22.	7.7	163
24	Glucocerebrosidase, a new player changing the old rules in Lewy body diseases. <i>Biological Chemistry</i> , 2013, 394, 807-818.	2.5	14
25	Lipid Peroxidation Product 4-Hydroxy-2-Nonenal Promotes Seeding-Capable Oligomer Formation and Cell-to-Cell Transfer of β -Synuclein. <i>Antioxidants and Redox Signaling</i> , 2013, 18, 770-783.	5.4	99
26	LRRK2 as a Potential Genetic Modifier of Synucleinopathies: Interlacing the Two Major Genetic Factors of Parkinson's Disease. <i>Experimental Neurobiology</i> , 2013, 22, 249-257.	1.6	18
27	Valproic Acid Regulates β -Synuclein Expression through JNK Pathway in Rat Primary Astrocytes. <i>Biomolecules and Therapeutics</i> , 2013, 21, 222-228.	2.4	9
28	Antibody-Aided Clearance of Extracellular β -Synuclein Prevents Cell-to-Cell Aggregate Transmission. <i>Journal of Neuroscience</i> , 2012, 32, 13454-13469.	3.6	290
29	Cell-to-Cell Transmission of β -Synuclein Aggregates. <i>Methods in Molecular Biology</i> , 2012, 849, 347-359.	0.9	45
30	Dopamine promotes formation and secretion of non-fibrillar alpha-synuclein oligomers. <i>Experimental and Molecular Medicine</i> , 2011, 43, 216.	7.7	117
31	Protein aggregate spreading in neurodegenerative diseases: Problems and perspectives. <i>Neuroscience Research</i> , 2011, 70, 339-348.	1.9	154
32	Transmission of Synucleinopathies in the Enteric Nervous System of A53T Alpha-Synuclein Transgenic Mice. <i>Experimental Neurobiology</i> , 2011, 20, 181-188.	1.6	39
33	Enzyme-linked immunosorbent assays for alpha-synuclein with species and multimeric state specificities. <i>Journal of Neuroscience Methods</i> , 2011, 199, 249-257.	2.5	24
34	Non-classical exocytosis of β -synuclein is sensitive to folding states and promoted under stress conditions. <i>Journal of Neurochemistry</i> , 2010, 113, 1263-1274.	3.9	241
35	Alpha-Synuclein Stimulation of Astrocytes: Potential Role for Neuroinflammation and Neuroprotection. <i>Oxidative Medicine and Cellular Longevity</i> , 2010, 3, 283-287.	4.0	133
36	Multiple non-cell autonomous actions of β -synuclein in neurodegenerative diseases. <i>Cell Cycle</i> , 2010, 9, 2696-2697.	2.6	6

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37	Direct Transfer of $\hat{I}\pm$ -Synuclein from Neuron to Astroglia Causes Inflammatory Responses in Synucleinopathies. <i>Journal of Biological Chemistry</i> , 2010, 285, 9262-9272.	3.4	704
38	Regulation of matrix metalloproteinase-9 and tissue plasminogen activator activity by alpha-synuclein in rat primary glial cells. <i>Neuroscience Letters</i> , 2010, 469, 352-356.	2.1	28
39	Inclusion formation and neuronal cell death through neuron-to-neuron transmission of $\hat{I}\pm$ -synuclein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 13010-13015.	7.1	1,308
40	Assembly-dependent endocytosis and clearance of extracellular a-synuclein. <i>International Journal of Biochemistry and Cell Biology</i> , 2008, 40, 1835-1849.	2.8	428
41	Clearance and deposition of extracellular $\hat{I}\pm$ -synuclein aggregates in microglia. <i>Biochemical and Biophysical Research Communications</i> , 2008, 372, 423-428.	2.1	273
42	Impairment of microtubule-dependent trafficking by overexpression of $\hat{I}\pm$ -synuclein. <i>European Journal of Neuroscience</i> , 2006, 24, 3153-3162.	2.6	142
43	Intravesicular Localization and Exocytosis of $\hat{I}\pm$ -Synuclein and its Aggregates. <i>Journal of Neuroscience</i> , 2005, 25, 6016-6024.	3.6	722
44	Clearance of \hat{A} -Synuclein Oligomeric Intermediates via the Lysosomal Degradation Pathway. <i>Journal of Neuroscience</i> , 2004, 24, 1888-1896.	3.6	383
45	Formation and Removal of $\hat{I}\pm$ -Synuclein Aggregates in Cells Exposed to Mitochondrial Inhibitors. <i>Journal of Biological Chemistry</i> , 2002, 277, 5411-5417.	3.4	263
46	Characterization of Cytoplasmic $\hat{I}\pm$ -Synuclein Aggregates. <i>Journal of Biological Chemistry</i> , 2002, 277, 48976-48983.	3.4	164
47	Membrane-bound $\hat{I}\pm$ -Synuclein Has a High Aggregation Propensity and the Ability to Seed the Aggregation of the Cytosolic Form. <i>Journal of Biological Chemistry</i> , 2002, 277, 671-678.	3.4	411
48	Golgi Fragmentation Occurs in the Cells with Prefibrillar $\hat{I}\pm$ -Synuclein Aggregates and Precedes the Formation of Fibrillar Inclusion. <i>Journal of Biological Chemistry</i> , 2002, 277, 48984-48992.	3.4	249
49	Stabilization of Partially Folded Conformation during $\hat{I}\pm$ -Synuclein Oligomerization in Both Purified and Cytosolic Preparations. <i>Journal of Biological Chemistry</i> , 2001, 276, 43495-43498.	3.4	164
50	Tip60 and HDAC7 Interact with the Endothelin Receptor A and May Be Involved in Downstream Signaling. <i>Journal of Biological Chemistry</i> , 2001, 276, 16597-16600.	3.4	53