Sathish Kumar

List of Publications by Year
in descending order

32 papers	2,569 citations	331642 21 h-index	395678 33 g-index
35 all docs	35 docs citations	35 times ranked	4575 citing authors

#	Article	IF	Citations
1	A reporter cell system for the triggering receptor expressed on myeloid cells 2 reveals differential effects of diseaseâ€associated variants on receptor signaling and activation by antibodies against the stalk region. Glia, 2021, 69, 1126-1139.	4.9	5
2	Alteration in synaptic nanoscale organization dictates amyloidogenic processing in Alzheimer's disease. IScience, 2021, 24, 101924.	4.1	13
3	Differential interaction with <scp>TREM2</scp> modulates microglial uptake of modified AÎ² species. Glia, 2021, 69, 2917-2932.	4.9	9
4	TREM2 modulates differential deposition of modified and non-modified AÎ² species in extracellular plaques and intraneuronal deposits. Acta Neuropathologica Communications, 2021, 9, 168.	5.2	12
5	Phosphorylated AÎ² peptides in human Down syndrome brain and different Alzheimerâ€™s-like mouse models. Acta Neuropathologica Communications, 2020, 8, 118.	5.2	14
6	The coarse-grained plaque: a divergent AÎ² plaque-type in early-onset Alzheimerâ€™s disease. Acta Neuropathologica, 2020, 140, 811-830.	7.7	45
7	Novel Phosphorylation-State Specific Antibodies Reveal Differential Deposition of Ser26 Phosphorylated AÎ² Species in a Mouse Model of Alzheimerâ€™s Disease. Frontiers in Molecular Neuroscience, 2020, 13, 619639.	2.9	7
8	Different aspects of Alzheimerâ€™s disease-related amyloid Î²-peptide pathology and their relationship to amyloid positron emission tomography imaging and dementia. Acta Neuropathologica Communications, 2019, 7, 178.	5.2	29
9	Deposition of phosphorylated amyloidâ€Î² in brains of aged nonhuman primates and canines. Brain Pathology, 2018, 28, 427-430.	4.1	8
10	Modified amyloid variants in pathological subgroups of <i>Î²</i>â€amyloidosis. Annals of Clinical and Translational Neurology, 2018, 5, 815-831.	3.7	18
11	Microglia-derived ASC specks cross-seed amyloid-Î² in Alzheimerâ€™s disease. Nature, 2017, 552, 355-361.	27.8	664
12	Phosphorylation modifies the molecular stability of Î²-amyloid deposits. Nature Communications, 2016, 7, 11359.	12.8	70
13	Phosphorylation of the amyloid Î²-peptide at Ser26 stabilizes oligomeric assembly and increases neurotoxicity. Acta Neuropathologica, 2016, 131, 525-537.	7.7	84
14	Phosphorylation Interferes with Maturation of Amyloid-Î² Fibrillar Structure in the N Terminus. Journal of Biological Chemistry, 2016, 291, 16059-16067.	3.4	22
15	Generation of aggregation prone N-terminally truncated amyloid Î² peptides by meprin Î² depends on the sequence specificity at the cleavage site. Molecular Neurodegeneration, 2016, 11, 19.	10.8	65
16	Investigation of <scp>A</scp>Î² phosphorylated at serine 8 (p<scp>A</scp>Î²) in <scp>A</scp>lzheimer's disease, dementia with <scp>L</scp>ewy bodies and vascular dementia. Neuropathology and Applied Neurobiology, 2015, 41, 428-444.	3.2	16
17	Impact of amyloid Î² aggregate maturation on antibody treatment in APP23 mice. Acta Neuropathologica Communications, 2015, 3, 41.	5.2	13
18	Turn Plasticity Distinguishes Different Modes of Amyloid-Î² Aggregation. Journal of the American Chemical Society, 2014, 136, 4913-4919.	13.7	39

#	Article	IF	Citations
19	Biochemical stages of amyloid-Î² peptide aggregation and accumulation in the human brain and their association with symptomatic and pathologically preclinical Alzheimerâ€™s disease. Brain, 2014, 137, 887-903.	7.6	136
20	Early intraneuronal accumulation and increased aggregation of phosphorylated Abeta in a mouse model of Alzheimerâ€™s disease. Acta Neuropathologica, 2013, 125, 699-709.	7.7	79
21	The type of AÎ²-related neuronal degeneration differs between amyloid precursor protein (APP23) and amyloid Î²-peptide (APP48) transgenic mice. Acta Neuropathologica Communications, 2013, 1, 77.	5.2	12
22	Phosphorylation of Amyloid-Î² Peptide at Serine 8 Attenuates Its Clearance via Insulin-degrading and Angiotensin-converting Enzymes. Journal of Biological Chemistry, 2012, 287, 8641-8651.	3.4	64
23	Dispersible amyloid Î²-protein oligomers, protofibrils, and fibrils represent diffusible but not soluble aggregates: their role in neurodegeneration in amyloid precursor protein (APP) transgenic mice. Neurobiology of Aging, 2012, 33, 2641-2660.	3.1	50
24	BRI2 Protein Regulates Î²-Amyloid Degradation by Increasing Levels of Secreted Insulin-degrading Enzyme (IDE). Journal of Biological Chemistry, 2011, 286, 37446-37457.	3.4	37
25	Nitration of Tyrosine 10 Critically Enhances Amyloid Î² Aggregation and Plaque Formation. Neuron, 2011, 71, 833-844.	8.1	259
26	Extracellular phosphorylation of the amyloid Î²-peptide promotes formation of toxic aggregates during the pathogenesis of Alzheimer's disease. EMBO Journal, 2011, 30, 2255-2265.	7.8	160
27	Phosphorylation of amyloid beta (AÎ²) peptides â€" A trigger for formation of toxic aggregates in Alzheimer's disease. Aging, 2011, 3, 803-812.	3.1	142
28	Statins Promote the Degradation of Extracellular Amyloid Î²-Peptide by Microglia via Stimulation of Exosome-associated Insulin-degrading Enzyme (IDE) Secretion. Journal of Biological Chemistry, 2010, 285, 37405-37414.	3.4	176
29	Identification of Low Molecular Weight Pyroglutamate AÎ² Oligomers in Alzheimer Disease. Journal of Biological Chemistry, 2010, 285, 41517-41524.	3.4	91
30	Casein Kinase 2 Dependent Phosphorylation of Neprilysin Regulates Receptor Tyrosine Kinase Signaling to Akt. PLoS ONE, 2010, 5, e13134.	2.5	22
31	Analysis of 13C labeling enrichment in microbial culture applying metabolic tracer experiments using gas chromatographyâ€"combustionâ€"isotope ratio mass spectrometry. Analytical Biochemistry, 2008, 380, 202-210.	2.4	39
32	Review: Minibioreactors. Biotechnology Letters, 2004, 26, 1-10.	2.2	159