

Cynthia A Lemere

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63
papers

10,096
citations

32
h-index

79
g-index

79
ext. papers

12,030
ext. citations

10.1
avg, IF

5.85
L-index

#	Paper	IF	Citations
63	Amyloid-beta protein dimers isolated directly from Alzheimer's brains impair synaptic plasticity and memory. <i>Nature Medicine</i> , 2008 , 14, 837-42	50.5	2779
62	Complement and microglia mediate early synapse loss in Alzheimer mouse models. <i>Science</i> , 2016 , 352, 712-716	33.3	1400
61	The TREM2-APOE Pathway Drives the Transcriptional Phenotype of Dysfunctional Microglia in Neurodegenerative Diseases. <i>Immunity</i> , 2017 , 47, 566-581.e9	32.3	988
60	The Swedish mutation causes early-onset Alzheimer's disease by beta-secretase cleavage within the secretory pathway. <i>Nature Medicine</i> , 1995 , 1, 1291-6	50.5	466
59	The E280A presenilin 1 Alzheimer mutation produces increased A beta 42 deposition and severe cerebellar pathology. <i>Nature Medicine</i> , 1996 , 2, 1146-50	50.5	440
58	Autosomal-dominant Alzheimer's disease: a review and proposal for the prevention of Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , 2011 , 3, 1	9	307
57	Can Alzheimer disease be prevented by amyloid-beta immunotherapy?. <i>Nature Reviews Neurology</i> , 2010 , 6, 108-19	15	287
56	Complement C3 deficiency protects against neurodegeneration in aged plaque-rich APP/PS1 mice. <i>Science Translational Medicine</i> , 2017 , 9,	17.5	259
55	The epigenetics of aging and neurodegeneration. <i>Progress in Neurobiology</i> , 2015 , 131, 21-64	10.9	247
54	Inflammatory responses to amyloidosis in a transgenic mouse model of Alzheimer's disease. <i>American Journal of Pathology</i> , 2001 , 158, 1345-54	5.8	247
53	Complement C3 deficiency leads to accelerated amyloid beta plaque deposition and neurodegeneration and modulation of the microglia/macrophage phenotype in amyloid precursor protein transgenic mice. <i>Journal of Neuroscience</i> , 2008 , 28, 6333-41	6.6	229
52	Intraneuronal A β 2 accumulation in Down syndrome brain. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2002 , 9, 88-102	2.7	209
51	Complement C3-Deficient Mice Fail to Display Age-Related Hippocampal Decline. <i>Journal of Neuroscience</i> , 2015 , 35, 13029-42	6.6	208
50	Down syndrome and Alzheimer's disease: Common pathways, common goals. <i>Alzheimer's and Dementia</i> , 2015 , 11, 700-9	1.2	159
49	Aging in Down Syndrome and the Development of Alzheimer's Disease Neuropathology. <i>Current Alzheimer Research</i> , 2016 , 13, 18-29	3	147
48	Galactic cosmic radiation leads to cognitive impairment and increased α plaque accumulation in a mouse model of Alzheimer's disease. <i>PLoS ONE</i> , 2012 , 7, e53275	3.7	136
47	Immunotherapy for Alzheimer's disease: hoops and hurdles. <i>Molecular Neurodegeneration</i> , 2013 , 8, 36	19	134

46	Evidence for peripheral clearance of cerebral Abeta protein following chronic, active Abeta immunization in PSAPP mice. <i>Neurobiology of Disease</i> , 2003 , 14, 10-8	7.5	134
45	Temporal accrual of complement proteins in amyloid plaques in Down's syndrome with Alzheimer's disease. <i>American Journal of Pathology</i> , 2000 , 156, 489-99	5.8	134
44	Reduced beta-amyloid production and increased inflammatory responses in presenilin conditional knock-out mice. <i>Journal of Biological Chemistry</i> , 2004 , 279, 46907-14	5.4	120
43	Complement component C3 and complement receptor type 3 contribute to the phagocytosis and clearance of fibrillar A β by microglia. <i>Glia</i> , 2012 , 60, 993-1003	9	108
42	Intraneuronal Abeta42 accumulation in Down syndrome brain. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2002 , 9, 88-102	2.7	100
41	Pyroglutamate-3 amyloid- β deposition in the brains of humans, non-human primates, canines, and Alzheimer disease-like transgenic mouse models. <i>American Journal of Pathology</i> , 2013 , 183, 369-81	5.8	84
40	In Vivo Detection of Age- and Disease-Related Increases in Neuroinflammation by 18F-GE180 TSPO MicroPET Imaging in Wild-Type and Alzheimer's Transgenic Mice. <i>Journal of Neuroscience</i> , 2015 , 35, 15716-30	6.6	77
39	Characterization of Abeta11-40/42 peptide deposition in Alzheimer's disease and young Down's syndrome brains: implication of N-terminally truncated Abeta species in the pathogenesis of Alzheimer's disease. <i>Acta Neuropathologica</i> , 2006 , 112, 163-74	14.3	73
38	Developing novel immunogens for a safe and effective Alzheimer's disease vaccine. <i>Progress in Brain Research</i> , 2009 , 175, 83-93	2.9	68
37	Intranasal immunotherapy for the treatment of Alzheimer's disease: Escherichia coli LT and LT(R192G) as mucosal adjuvants. <i>Neurobiology of Aging</i> , 2002 , 23, 991-1000	5.6	63
36	Traumatic Brain Injury in Aged Mice Induces Chronic Microglia Activation, Synapse Loss, and Complement-Dependent Memory Deficits. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	59
35	Aducanumab produced a clinically meaningful benefit in association with amyloid lowering. <i>Alzheimer's Research and Therapy</i> , 2021 , 13, 98	9	57
34	Passive immunization against pyroglutamate-3 amyloid- β reduces plaque burden in Alzheimer-like transgenic mice: a pilot study. <i>Neurodegenerative Diseases</i> , 2012 , 10, 265-70	2.3	52
33	MER5101, a novel A β -15:DT conjugate vaccine, generates a robust anti-A β antibody response and attenuates A β pathology and cognitive deficits in APP ^{swe} /PS1 ^{E9} transgenic mice. <i>Journal of Neuroscience</i> , 2013 , 33, 7027-37	6.6	43
32	An anti-pyroglutamate-3 A β vaccine reduces plaques and improves cognition in APP ^{swe} /PS1 ^{E9} mice. <i>Neurobiology of Aging</i> , 2015 , 36, 3187-3199	5.6	36
31	Anti-A β antibodies incapable of reducing cerebral A β oligomers fail to attenuate spatial reference memory deficits in J20 mice. <i>Neurobiology of Disease</i> , 2015 , 82, 372-384	7.5	31
30	Passive A β immunotherapy: Current Achievements and Future Perspectives. <i>Molecules</i> , 2018 , 23,	4.8	29
29	Immunotherapy targeting pyroglutamate-3 A β prospects and challenges. <i>Molecular Neurodegeneration</i> , 2016 , 11, 48	19	28

28	Age-related epigenetic changes in hippocampal subregions of four animal models of Alzheimer's disease. <i>Molecular and Cellular Neurosciences</i> , 2018 , 86, 1-15	4.8	26
27	Tau immunization: a cautionary tale?. <i>Neurobiology of Aging</i> , 2015 , 36, 1316-32	5.6	25
26	Space-like Fe irradiation manifests mild, early sex-specific behavioral and neuropathological changes in wildtype and Alzheimer's-like transgenic mice. <i>Scientific Reports</i> , 2019 , 9, 12118	4.9	23
25	Effector function of anti-pyroglutamate-3 A β antibodies affects cognitive benefit, glial activation and amyloid clearance in Alzheimer's-like mice. <i>Alzheimer's Research and Therapy</i> , 2020 , 12, 12	9	15
24	A beneficial role for IL-1 beta in Alzheimer disease?. <i>Journal of Clinical Investigation</i> , 2007 , 117, 1483-5	15.9	13
23	Development of the clinical candidate PBD-C06, a humanized pGlu3-A β specific antibody against Alzheimer's disease with reduced complement activation. <i>Scientific Reports</i> , 2020 , 10, 3294	4.9	8
22	Phosphorylated A β peptides in human Down syndrome brain and different Alzheimer's-like mouse models. <i>Acta Neuropathologica Communications</i> , 2020 , 8, 118	7.3	7
21	Microglia Do Not Take Up Soluble Amyloid-beta Peptides, But Partially Degrade Them by Secreting Insulin-degrading Enzyme. <i>Neuroscience</i> , 2020 , 443, 30-43	3.9	6
20	Paving the Way for Therapy: The Second International Conference of the Trisomy 21 Research Society. <i>Molecular Syndromology</i> , 2019 , 9, 279-286	1.5	6
19	Deposition of phosphorylated amyloid- β in brains of aged nonhuman primates and canines. <i>Brain Pathology</i> , 2018 , 28, 427-430	6	6
18	Microbiota in Neuroinflammation and Synaptic dysfunction: a focus on Alzheimer's disease.. <i>Molecular Neurodegeneration</i> , 2022 , 17, 19	19	5
17	Active Amyloid- β Vaccination Results in Epigenetic Changes in the Hippocampus of an Alzheimer's Disease-Like Mouse Model. <i>Current Alzheimer Research</i> , 2019 , 16, 861-870	3	4
16	Focused ultrasound with anti-pGlu3 A β enhances efficacy in Alzheimer's disease-like mice via recruitment of peripheral immune cells. <i>Journal of Controlled Release</i> , 2021 , 336, 443-456	11.7	4
15	P4-264: ARE ANTI-ABETA AGGREGATE-PREFERRING ANTIBODIES THE FUTURE FOR AD IMMUNOTHERAPY? 2014 , 10, P881-P882		2
14	APOE ϵ Association With Cognition and Alzheimer Disease Biomarkers in Down Syndrome-Implications for Clinical Trials and Treatments for All. <i>JAMA Neurology</i> , 2021 , 78, 913-915	17.2	0
13	A novel inducible complement C3 conditional knockout mouse model: Generation and characterization. <i>Alzheimer's and Dementia</i> , 2020 , 16, e047192	1.2	
12	Immunotherapeutics for Neurological Disorders 2014 , 1215-1230		
11	S4-02-03: COMPLEMENT IN ALZHEIMERS DISEASE: LESSONS FROM C3-DEFICIENT MICE 2014 , 10, P240-P240		

- 10 F30102: Alzheimer's disease and Down syndrome **2013**, 9, P513-P513
- 9 O20703: Complement C3-deficiency preserves hippocampal synapses and neurons with aging and improves learning and memory compared to WT mice **2013**, 9, P328-P328
- 8 [F40602]: UPDATE OF THE AMYLOID HYPOTHESIS: COMPLEMENT MODULATES THE GLIAL RESPONSE TO Aβ PLAQUES AND MEDIATES SYNAPSE LOSS **2017**, 13, P1218
- 7 P3-108: Beneficial Effects of Anti-Inflammatory, RNS60, in Aged APPSWE/PS1DE9 Mice **2016**, 12, P860-P860
- 6 BrightFocus Alzheimer's Fast Track 2019. *Molecular Neurodegeneration*, **2019**, 14, 48 19
- 5 P1-099: COMBINATION OF A GLUTAMINYL CYCLASE INHIBITOR (PQ912) AND A PYROGLUTAMATE-Aβ SPECIFIC ANTIBODY (PBD-M06) SHOWS ADDITIVE EFFECTS IN A MOUSE MODEL WITH ALZHEIMER'S DISEASE-LIKE PATHOLOGY **2018**, 14, P309-P309
- 4 Global C3 lowering alleviates hippocampal dysfunction and cognitive impairment in aged mice.. *Alzheimer's and Dementia*, **2021**, 17 Suppl 2, e058736 1.2
- 3 Focus Ultrasound-Induced Blood-Brain Barrier opening enhances anti-pGlu3 Aβ mAb delivery and amyloid-beta plaque clearance.. *Alzheimer's and Dementia*, **2021**, 17 Suppl 2, e058725 1.2
- 2 Vaccination against the broadly expressed microbial antigen PNAG prevents cognitive decline in the APP-PS1 mouse model of Alzheimer's disease.. *Alzheimer's and Dementia*, **2021**, 17 Suppl 3, e053793^{1,2}
- 1 Global complement C3 lowering in adult mice protects hippocampal synaptic function.. *Alzheimer's and Dementia*, **2021**, 17 Suppl 3, e057867 1.2