

Colin L Masters

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502
papers

42,503
citations

94
h-index

196
g-index

567
ext. papers

49,001
ext. citations

7.5
avg, IF

6.94
L-index

#	Paper	IF	Citations
502	The precursor of Alzheimer's disease amyloid A4 protein resembles a cell-surface receptor. <i>Nature</i> , 1987 , 325, 733-6	50.4	4170
501	Clinical and biomarker changes in dominantly inherited Alzheimer's disease. <i>New England Journal of Medicine</i> , 2012 , 367, 795-804	59.2	2272
500	Soluble pool of Abeta amyloid as a determinant of severity of neurodegeneration in Alzheimer's disease. <i>Annals of Neurology</i> , 1999 , 46, 860-6	9.4	1572
499	Amyloid β deposition, neurodegeneration, and cognitive decline in sporadic Alzheimer's disease: a prospective cohort study. <i>Lancet Neurology</i> , 2013 , 12, 357-67	24.1	1336
498	Treatment with a copper-zinc chelator markedly and rapidly inhibits beta-amyloid accumulation in Alzheimer's disease transgenic mice. <i>Neuron</i> , 2001 , 30, 665-76	13.9	1276
497	Identification, biogenesis, and localization of precursors of Alzheimer's disease A4 amyloid protein. <i>Cell</i> , 1989 , 57, 115-26	56.2	1177
496	Alzheimer's disease. <i>Nature Reviews Disease Primers</i> , 2015 , 1, 15056	51.1	755
495	Amyloid imaging results from the Australian Imaging, Biomarkers and Lifestyle (AIBL) study of aging. <i>Neurobiology of Aging</i> , 2010 , 31, 1275-83	5.6	750
494	High performance plasma amyloid- β biomarkers for Alzheimer's disease. <i>Nature</i> , 2018 , 554, 249-254	50.4	733
493	Beta-amyloid imaging and memory in non-demented individuals: evidence for preclinical Alzheimer's disease. <i>Brain</i> , 2007 , 130, 2837-44	11.2	657
492	Distinct sites of intracellular production for Alzheimer's disease A beta40/42 amyloid peptides. <i>Nature Medicine</i> , 1997 , 3, 1016-20	50.5	649
491	Safety, efficacy, and biomarker findings of PBT2 in targeting Abeta as a modifying therapy for Alzheimer's disease: a phase IIa, double-blind, randomised, placebo-controlled trial. <i>Lancet Neurology</i> , 2008 , 7, 779-86	24.1	577
490	Longitudinal assessment of A β and cognition in aging and Alzheimer disease. <i>Annals of Neurology</i> , 2011 , 69, 181-92	9.4	576
489	Rapid restoration of cognition in Alzheimer's transgenic mice with 8-hydroxy quinoline analogs is associated with decreased interstitial Abeta. <i>Neuron</i> , 2008 , 59, 43-55	13.9	565
488	Imaging of amyloid beta in Alzheimer's disease with 18F-BAY94-9172, a novel PET tracer: proof of mechanism. <i>Lancet Neurology</i> , 2008 , 7, 129-35	24.1	551
487	Alzheimer's disease amyloid-beta binds copper and zinc to generate an allosterically ordered membrane-penetrating structure containing superoxide dismutase-like subunits. <i>Journal of Biological Chemistry</i> , 2001 , 276, 20466-73	5.4	530
486	Iron-export ferroxidase activity of β amyloid precursor protein is inhibited by zinc in Alzheimer's disease. <i>Cell</i> , 2010 , 142, 857-67	56.2	483

485	Metalloenzyme-like activity of Alzheimer's disease beta-amyloid. Cu-dependent catalytic conversion of dopamine, cholesterol, and biological reducing agents to neurotoxic H(2)O(2). <i>Journal of Biological Chemistry</i> , 2002 , 277, 40302-8	5.4	472
484	Analysis of heterogeneous A4 peptides in human cerebrospinal fluid and blood by a newly developed sensitive Western blot assay. <i>Journal of Biological Chemistry</i> , 1996 , 271, 22908-14	5.4	417
483	Serum neurofilament dynamics predicts neurodegeneration and clinical progression in presymptomatic Alzheimer's disease. <i>Nature Medicine</i> , 2019 , 25, 277-283	50.5	375
482	Tau imaging: early progress and future directions. <i>Lancet Neurology, The</i> , 2015 , 14, 114-24	24.1	360
481	A systemic view of Alzheimer disease - insights from amyloid- β metabolism beyond the brain. <i>Nature Reviews Neurology</i> , 2017 , 13, 612-623	15	356
480	PBT2 rapidly improves cognition in Alzheimer's Disease: additional phase II analyses. <i>Journal of Alzheimer's Disease</i> , 2010 , 20, 509-16	4.3	306
479	Cytosolic beta-amyloid deposition and supranuclear cataracts in lenses from people with Alzheimer's disease. <i>Lancet, The</i> , 2003 , 361, 1258-65	40	276
478	Blood-based protein biomarkers for diagnosis of Alzheimer disease. <i>Archives of Neurology</i> , 2012 , 69, 1318-25		271
477	Amyloid imaging with (18)F-florbetaben in Alzheimer disease and other dementias. <i>Journal of Nuclear Medicine</i> , 2011 , 52, 1210-7	8.9	267
476	Symptom onset in autosomal dominant Alzheimer disease: a systematic review and meta-analysis. <i>Neurology</i> , 2014 , 83, 253-60	6.5	266
475	Blood-based biomarkers for Alzheimer disease: mapping the road to the clinic. <i>Nature Reviews Neurology</i> , 2018 , 14, 639-652	15	257
474	Relationship between atrophy and beta-amyloid deposition in Alzheimer disease. <i>Annals of Neurology</i> , 2010 , 67, 317-24	9.4	255
473	Regional variability of imaging biomarkers in autosomal dominant Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E4502-9	11.5	253
472	White matter hyperintensities are a core feature of Alzheimer's disease: Evidence from the dominantly inherited Alzheimer network. <i>Annals of Neurology</i> , 2016 , 79, 929-39	9.4	247
471	Longitudinal change in CSF biomarkers in autosomal-dominant Alzheimer's disease. <i>Science Translational Medicine</i> , 2014 , 6, 226ra30	17.5	244
470	Tyrosine gated electron transfer is key to the toxic mechanism of Alzheimer's disease beta-amyloid. <i>FASEB Journal</i> , 2004 , 18, 1427-9	0.9	231
469	Spatial patterns of neuroimaging biomarker change in individuals from families with autosomal dominant Alzheimer's disease: a longitudinal study. <i>Lancet Neurology, The</i> , 2018 , 17, 241-250	24.1	224
468	Degradation of the Alzheimer disease amyloid beta-peptide by metal-dependent up-regulation of metalloprotease activity. <i>Journal of Biological Chemistry</i> , 2006 , 281, 17670-80	5.4	222

467	Dopamine promotes alpha-synuclein aggregation into SDS-resistant soluble oligomers via a distinct folding pathway. <i>FASEB Journal</i> , 2005 , 19, 1377-9	0.9	217
466	Imaging tau and amyloid- β proteinopathies in Alzheimer disease and other conditions. <i>Nature Reviews Neurology</i> , 2018 , 14, 225-236	15	211
465	Pleomorphic copper coordination by Alzheimer's disease amyloid-beta peptide. <i>Journal of the American Chemical Society</i> , 2009 , 131, 1195-207	16.4	210
464	The beta A4 amyloid precursor protein binding to copper. <i>FEBS Letters</i> , 1994 , 349, 109-16	3.8	206
463	Crystal structure of the N-terminal, growth factor-like domain of Alzheimer amyloid precursor protein. <i>Nature Structural Biology</i> , 1999 , 6, 327-31		199
462	The role of metallobiology and amyloid- β peptides in Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2012 , 120 Suppl 1, 149-166	6	198
461	Mechanisms of A beta mediated neurodegeneration in Alzheimer's disease. <i>International Journal of Biochemistry and Cell Biology</i> , 2008 , 40, 181-98	5.6	198
460	Non-invasive assessment of Alzheimer's disease neurofibrillary pathology using 18F-THK5105 PET. <i>Brain</i> , 2014 , 137, 1762-71	11.2	197
459	Increased cerebral glucose-6-phosphate dehydrogenase activity in Alzheimer's disease may reflect oxidative stress. <i>Journal of Neurochemistry</i> , 1986 , 46, 1042-5	6	197
458	Molecular mechanisms for Alzheimer's disease: implications for neuroimaging and therapeutics. <i>Journal of Neurochemistry</i> , 2006 , 97, 1700-25	6	190
457	Regional dynamics of amyloid- β deposition in healthy elderly, mild cognitive impairment and Alzheimer's disease: a voxelwise PiB-PET longitudinal study. <i>Brain</i> , 2012 , 135, 2126-39	11.2	179
456	Interaction of the molecular chaperone alphaB-crystallin with alpha-synuclein: effects on amyloid fibril formation and chaperone activity. <i>Journal of Molecular Biology</i> , 2004 , 340, 1167-83	6.5	179
455	A soluble phosphorylated tau signature links tau, amyloid and the evolution of stages of dominantly inherited Alzheimer's disease. <i>Nature Medicine</i> , 2020 , 26, 398-407	50.5	160
454	Concentration dependent Cu ²⁺ induced aggregation and dityrosine formation of the Alzheimer's disease amyloid-beta peptide. <i>Biochemistry</i> , 2007 , 46, 2881-91	3.2	160
453	Predicting Alzheimer disease with β amyloid imaging: results from the Australian imaging, biomarkers, and lifestyle study of ageing. <i>Annals of Neurology</i> , 2013 , 74, 905-13	9.4	158
452	Neurotoxic, redox-competent Alzheimer's beta-amyloid is released from lipid membrane by methionine oxidation. <i>Journal of Biological Chemistry</i> , 2003 , 278, 42959-65	5.4	156
451	Alanine-2 carbonyl is an oxygen ligand in Cu ²⁺ coordination of Alzheimer's disease amyloid-beta peptide--relevance to N-terminally truncated forms. <i>Journal of the American Chemical Society</i> , 2009 , 131, 8760-1	16.4	154
450	Non-Abeta component of Alzheimer's disease amyloid (NAC) revisited. NAC and alpha-synuclein are not associated with Abeta amyloid. <i>American Journal of Pathology</i> , 1999 , 155, 1173-81	5.8	154

449	The solubility of alpha-synuclein in multiple system atrophy differs from that of dementia with Lewy bodies and Parkinson's disease. <i>Journal of Neurochemistry</i> , 2001 , 76, 87-96	6	153
448	Copper-mediated amyloid-beta toxicity is associated with an intermolecular histidine bridge. <i>Journal of Biological Chemistry</i> , 2006 , 281, 15145-54	5.4	150
447	Effect of amyloid on memory and non-memory decline from preclinical to clinical Alzheimer's disease. <i>Brain</i> , 2014 , 137, 221-31	11.2	145
446	Cerebral quantitative susceptibility mapping predicts amyloid-β-related cognitive decline. <i>Brain</i> , 2017 , 140, 2112-2119	11.2	144
445	Developing an international network for Alzheimer research: The Dominantly Inherited Alzheimer Network. <i>Clinical Investigation</i> , 2012 , 2, 975-984		144
444	Copper inhibits amyloid production and stimulates the non-amyloidogenic pathway of amyloid-precursor-protein secretion. <i>Biochemical Journal</i> , 1999 , 344, 461-467	3.8	144
443	Amyloid precursor protein (APP) and beta A4 amyloid in the etiology of Alzheimer's disease: precursor-product relationships in the derangement of neuronal function. <i>Brain Pathology</i> , 1991 , 1, 241-51	6	144
442	Comparison of 11C-PiB and 18F-florbetaben for Aβ imaging in ageing and Alzheimer's disease. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2012 , 39, 983-9	8.8	143
441	The Alzheimer's therapeutic PBT2 promotes amyloid-β degradation and GSK3 phosphorylation via a metal chaperone activity. <i>Journal of Neurochemistry</i> , 2011 , 119, 220-30	6	142
440	Cerebral microbleeds: a review of clinical, genetic, and neuroimaging associations. <i>Frontiers in Neurology</i> , 2014 , 4, 205	4.1	140
439	In vivo evaluation of a novel tau imaging tracer for Alzheimer's disease. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2014 , 41, 816-26	8.8	137
438	Clinical and cognitive trajectories in cognitively healthy elderly individuals with suspected non-Alzheimer's disease pathophysiology (SNAP) or Alzheimer's disease pathology: a longitudinal study. <i>Lancet Neurology</i> , 2016 , 15, 1044-53	24.1	135
437	High striatal amyloid beta-peptide deposition across different autosomal Alzheimer disease mutation types. <i>Archives of Neurology</i> , 2009 , 66, 1537-44		133
436	Cross-sectional and longitudinal analysis of the relationship between Aβ deposition, cortical thickness, and memory in cognitively unimpaired individuals and in Alzheimer disease. <i>JAMA Neurology</i> , 2013 , 70, 903-11	17.2	132
435	In vitro characterization of Pittsburgh compound-B binding to Lewy bodies. <i>Journal of Neuroscience</i> , 2007 , 27, 10365-71	6.6	130
434	Amyloidogenicity of rodent and human beta A4 sequences. <i>FEBS Letters</i> , 1993 , 324, 231-6	3.8	130
433	Syndromes of amyotrophic lateral sclerosis and dementia: relation to transmissible Creutzfeldt-Jakob disease. <i>Annals of Neurology</i> , 1983 , 14, 17-26	9.4	128
432	Utility of an improved model of amyloid-beta (Aβ) toxicity in <i>Caenorhabditis elegans</i> for drug screening for Alzheimer's disease. <i>Molecular Neurodegeneration</i> , 2012 , 7, 57	19	127

431	Cognition and beta-amyloid in preclinical Alzheimer's disease: data from the AIBL study. <i>Neuropsychologia</i> , 2011 , 49, 2384-90	3.2	126
430	Head-to-head comparison of 11C-PiB and 18F-AZD4694 (NAV4694) for amyloid imaging in aging and dementia. <i>Journal of Nuclear Medicine</i> , 2013 , 54, 880-6	8.9	121
429	Copper-binding amyloid precursor protein undergoes a site-specific fragmentation in the reduction of hydrogen peroxide. <i>Biochemistry</i> , 1998 , 37, 7224-30	3.2	120
428	Alzheimer's centennial legacy: prospects for rational therapeutic intervention targeting the Aβ amyloid pathway. <i>Brain</i> , 2006 , 129, 2823-39	11.2	119
427	Proteolytic processing of the Alzheimer's disease amyloid precursor protein in brain and platelets. <i>Journal of Neuroscience Research</i> , 2003 , 74, 386-92	4.4	119
426	Oral treatment with Cu(II)(atsm) increases mutant SOD1 in vivo but protects motor neurons and improves the phenotype of a transgenic mouse model of amyotrophic lateral sclerosis. <i>Journal of Neuroscience</i> , 2014 , 34, 8021-31	6.6	118
425	An atlas of cortical circular RNA expression in Alzheimer disease brains demonstrates clinical and pathological associations. <i>Nature Neuroscience</i> , 2019 , 22, 1903-1912	25.5	118
424	Amyloid-β anxiety, and cognitive decline in preclinical Alzheimer disease: a multicenter, prospective cohort study. <i>JAMA Psychiatry</i> , 2015 , 72, 284-91	14.5	114
423	A rigorous method to enrich for exosomes from brain tissue. <i>Journal of Extracellular Vesicles</i> , 2017 , 6, 1348885	16.4	113
422	The hypoxia imaging agent Cull(atsm) is neuroprotective and improves motor and cognitive functions in multiple animal models of Parkinson's disease. <i>Journal of Experimental Medicine</i> , 2012 , 209, 837-54	16.6	113
421	Independent contribution of temporal beta-amyloid deposition to memory decline in the pre-dementia phase of Alzheimer's disease. <i>Brain</i> , 2011 , 134, 798-807	11.2	113
420	Larger temporal volume in elderly with high versus low beta-amyloid deposition. <i>Brain</i> , 2010 , 133, 3349-58.2	11.2	111
419	Plasma amyloid-beta as a biomarker in Alzheimer's disease: the AIBL study of aging. <i>Journal of Alzheimer's Disease</i> , 2010 , 20, 1233-42	4.3	111
418	Sex, amyloid, and APOE ε and risk of cognitive decline in preclinical Alzheimer's disease: Findings from three well-characterized cohorts. <i>Alzheimer's and Dementia</i> , 2018 , 14, 1193-1203	1.2	111
417	Incidence of cerebral microbleeds in preclinical Alzheimer disease. <i>Neurology</i> , 2014 , 82, 1266-73	6.5	110
416	Amyloid precursor protein processing and retinal pathology in mouse models of Alzheimer's disease. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2009 , 247, 1213-21	3.8	109
415	Clinical utility of the cogstate brief battery in identifying cognitive impairment in mild cognitive impairment and Alzheimer's disease. <i>BMC Psychology</i> , 2013 , 1, 30	2.8	107
414	Subjective memory decline predicts greater rates of clinical progression in preclinical Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2016 , 12, 796-804	1.2	102

413	Mutations in the transmembrane domain of APP altering gamma-secretase specificity. <i>Biochemistry</i> , 1997 , 36, 15396-403	3.2	97
412	The C-terminal fragment of the Alzheimer's disease amyloid protein precursor is degraded by a proteasome-dependent mechanism distinct from gamma-secretase. <i>FEBS Journal</i> , 2001 , 268, 5329-36		97
411	Cognitive impairment and decline in cognitively normal older adults with high amyloid- β meta-analysis. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2017 , 6, 108-121	5.2	96
410	Formation of dopamine-mediated alpha-synuclein-soluble oligomers requires methionine oxidation. <i>Free Radical Biology and Medicine</i> , 2009 , 46, 1328-37	7.8	95
409	The <i>Caenorhabditis elegans</i> A beta 1-42 model of Alzheimer disease predominantly expresses A beta 3-42. <i>Journal of Biological Chemistry</i> , 2009 , 284, 22697-702	5.4	94
408	The amyloid beta-protein of Alzheimer's disease increases acetylcholinesterase expression by increasing intracellular calcium in embryonal carcinoma P19 cells. <i>Journal of Neurochemistry</i> , 1997 , 69, 1177-84	6	94
407	BDNF Val66Met, Amyloid, and cognitive decline in preclinical Alzheimer's disease. <i>Neurobiology of Aging</i> , 2013 , 34, 2457-64	5.6	93
406	Cu ²⁺ binding modes of recombinant alpha-synuclein--insights from EPR spectroscopy. <i>Journal of the American Chemical Society</i> , 2008 , 130, 7766-73	16.4	93
405	Use of the CogState Brief Battery in the assessment of Alzheimer's disease related cognitive impairment in the Australian Imaging, Biomarkers and Lifestyle (AIBL) study. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2012 , 34, 345-58	2.1	92
404	Retinoic acid induced differentiated neuroblastoma cells show increased expression of the beta A4 amyloid gene of Alzheimer's disease and an altered splicing pattern. <i>FEBS Letters</i> , 1990 , 269, 305-10	3.8	92
403	Crystal structure of the amyloid- β 3 fragment provides a model for oligomer formation in Alzheimer's disease. <i>Journal of Neuroscience</i> , 2011 , 31, 1419-26	6.6	85
402	Gender and genetic background effects on brain metal levels in APP transgenic and normal mice: implications for Alzheimer beta-amyloid pathology. <i>Journal of Inorganic Biochemistry</i> , 2006 , 100, 952-62	4.2	85
401	Changes in plasma amyloid beta in a longitudinal study of aging and Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2014 , 10, 53-61	1.2	84
400	Stronger effect of amyloid load than APOE genotype on cognitive decline in healthy older adults. <i>Neurology</i> , 2012 , 79, 1645-52	6.5	84
399	Plasma amyloid β 42/40 ratios as biomarkers for amyloid β cerebral deposition in cognitively normal individuals. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2017 , 8, 179-187	5.2	82
398	An iron/dopamine index predicts risk of parkinsonian neurodegeneration in the substantia nigra pars compacta. <i>Chemical Science</i> , 2014 , 5, 2160-2169	9.4	82
397	Multisite study of the relationships between antemortem [C]PIB-PET Centiloid values and postmortem measures of Alzheimer's disease neuropathology. <i>Alzheimer's and Dementia</i> , 2019 , 15, 205-216	1.2	82
396	The ART of loss: Abeta imaging in the evaluation of Alzheimer's disease and other dementias. <i>Molecular Neurobiology</i> , 2008 , 38, 1-15	6.2	81

395	Variable phenotype of Alzheimer's disease with spastic paraparesis. <i>Annals of Neurology</i> , 2001 , 49, 125-9.	9.4	81
394	Copper promotes the trafficking of the amyloid precursor protein. <i>Journal of Biological Chemistry</i> , 2011 , 286, 8252-8262	5.4	79
393	Harmonization of large MRI datasets for the analysis of brain imaging patterns throughout the lifespan. <i>NeuroImage</i> , 2020 , 208, 116450	7.9	79
392	Clues to the Etiology of Alzheimer's Disease Through the Study of the Amyloid Precursor Protein. <i>Brain Pathology</i> , 1997 , 7, 1037-1037	6	78
391	Non-invasive in vivo hyperspectral imaging of the retina for potential biomarker use in Alzheimer's disease. <i>Nature Communications</i> , 2019 , 10, 4227	17.4	77
390	Restored degradation of the Alzheimer's amyloid-beta peptide by targeting amyloid formation. <i>Journal of Neurochemistry</i> , 2009 , 108, 1198-207	6	77
389	The Relationship between Sleep Quality and Brain Amyloid Burden. <i>Sleep</i> , 2016 , 39, 1063-8	1.1	76
388	The structure of dopamine induced alpha-synuclein oligomers. <i>European Biophysics Journal</i> , 2010 , 39, 1407-19	1.9	76
387	Interaction between the zinc (II) and the heparin binding site of the Alzheimer's disease beta A4 amyloid precursor protein (APP). <i>FEBS Letters</i> , 1994 , 355, 151-4	3.8	75
386	Novel Leu723Pro amyloid precursor protein mutation increases amyloid beta42(43) peptide levels and induces apoptosis. <i>Annals of Neurology</i> , 2000 , 47, 249-53	9.4	73
385	AAmyloid and Tau Imaging in Dementia. <i>Seminars in Nuclear Medicine</i> , 2017 , 47, 75-88	5.4	72
384	The nosology of Creutzfeldt-Jakob disease and conditions related to the accumulation of PrPCJD in the nervous system. <i>Brain Pathology</i> , 1995 , 5, 33-41	6	72
383	Ammonium hydroxide treatment of Aβ produces an aggregate free solution suitable for biophysical and cell culture characterization. <i>PeerJ</i> , 2013 , 1, e73	3.1	72
382	White matter diffusion alterations precede symptom onset in autosomal dominant Alzheimer's disease. <i>Brain</i> , 2018 , 141, 3065-3080	11.2	72
381	Biochemically-defined pools of amyloid-β in sporadic Alzheimer's disease: correlation with amyloid PET. <i>Brain</i> , 2017 , 140, 1486-1498	11.2	70
380	Comparison of MR-less PiB SUVR quantification methods. <i>Neurobiology of Aging</i> , 2015 , 36 Suppl 1, S159-66	5.6	70
379	Three-month stability of the CogState brief battery in healthy older adults, mild cognitive impairment, and Alzheimer's disease: results from the Australian Imaging, Biomarkers, and Lifestyle-rate of change substudy (AIBL-ROCS). <i>Archives of Clinical Neuropsychology</i> , 2013 , 28, 320-30	2.7	70
378	Appearance modeling of 11C PiB PET images: characterizing amyloid deposition in Alzheimer's disease, mild cognitive impairment and healthy aging. <i>NeuroImage</i> , 2008 , 43, 430-9	7.9	70

377	Functional connectivity in autosomal dominant and late-onset Alzheimer disease. <i>JAMA Neurology</i> , 2014 , 71, 1111-22	17.2	68
376	Exacerbation of copper toxicity in primary neuronal cultures depleted of cellular glutathione. <i>Journal of Neurochemistry</i> , 1999 , 72, 2092-8	6	68
375	Synthesis and secretion of Alzheimer amyloid beta A4 precursor protein by stimulated human peripheral blood leucocytes. <i>FEBS Letters</i> , 1990 , 277, 261-6	3.8	68
374	Homocysteine, vitamin B12, and folic acid levels in Alzheimer's disease, mild cognitive impairment, and healthy elderly: baseline characteristics in subjects of the Australian Imaging Biomarker Lifestyle study. <i>Journal of Alzheimer's Disease</i> , 2011 , 27, 909-22	4.3	67
373	Radioiodinated clioquinol as a biomarker for beta-amyloid: Zn complexes in Alzheimer's disease. <i>Aging Cell</i> , 2006 , 5, 69-79	9.9	67
372	Human and rodent sequence analogs of Alzheimer's amyloid beta A4 share similar properties and can be solubilized in buffers of pH 7.4. <i>FEBS Journal</i> , 1991 , 201, 61-9		66
371	Blood-borne amyloid-beta dimer correlates with clinical markers of Alzheimer's disease. <i>Journal of Neuroscience</i> , 2010 , 30, 6315-22	6.6	65
370	Neurological manifestations of autosomal dominant familial Alzheimer's disease: a comparison of the published literature with the Dominantly Inherited Alzheimer Network observational study (DIAN-OBS). <i>Lancet Neurology</i> , 2016 , 15, 1317-1325	24.1	64
369	Evaluating atypical dementia syndromes using positron emission tomography with carbon 11 labeled Pittsburgh Compound B. <i>Archives of Neurology</i> , 2007 , 64, 1140-4		64
368	Trajectories of memory decline in preclinical Alzheimer's disease: results from the Australian Imaging, Biomarkers and Lifestyle Flagship Study of ageing. <i>Neurobiology of Aging</i> , 2015 , 36, 1231-8	5.6	63
367	AD imaging with 18F-florbetaben in prodromal Alzheimer's disease: a prospective outcome study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2015 , 86, 431-6	5.5	63
366	Amyloid- β peptide A β 1-42 induces lipid peroxidation, membrane permeabilization, and calcium influx in neurons. <i>Journal of Biological Chemistry</i> , 2016 , 291, 6134-45	5.4	63
365	The Amyloid- β Pathway in Alzheimer's Disease. <i>Molecular Psychiatry</i> , 2021 ,	15.1	63
364	AD and cognitive change: examining the preclinical and prodromal stages of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2014 , 10, 743-751.e1	1.2	62
363	Alzheimer's disease-associated presenilin 1 in neuronal cells: evidence for localization to the endoplasmic reticulum-Golgi intermediate compartment. <i>Journal of Neuroscience Research</i> , 1997 , 49, 719-31	4.4	61
362	Intracellular accumulation of detergent-soluble amyloidogenic A beta fragment of Alzheimer's disease precursor protein in the hippocampus of aged transgenic mice. <i>Journal of Neurochemistry</i> , 1999 , 72, 2479-87	6	60
361	Genetic variation in Aquaporin-4 moderates the relationship between sleep and brain A β amyloid burden. <i>Translational Psychiatry</i> , 2018 , 8, 47	8.6	59
360	MRI signatures of brain age and disease over the lifespan based on a deep brain network and 14 468 individuals worldwide. <i>Brain</i> , 2020 , 143, 2312-2324	11.2	58

359	Translation of Pre-Clinical Studies into Successful Clinical Trials for Alzheimer's Disease: What are the Roadblocks and How Can They Be Overcome?. <i>Journal of Alzheimer's Disease</i> , 2015 , 47, 815-43	4.3	58
358	Alzheimer's Disease: A Journey from Amyloid Peptides and Oxidative Stress, to Biomarker Technologies and Disease Prevention Strategies-Gains from AIBL and DIAN Cohort Studies. <i>Journal of Alzheimer's Disease</i> , 2018 , 62, 965-992	4.3	57
357	Among vitamin B12 deficient older people, high folate levels are associated with worse cognitive function: combined data from three cohorts. <i>Journal of Alzheimer's Disease</i> , 2014 , 39, 661-8	4.3	57
356	The novel compound PBT434 prevents iron mediated neurodegeneration and alpha-synuclein toxicity in multiple models of Parkinson's disease. <i>Acta Neuropathologica Communications</i> , 2017 , 5, 53	7.3	57
355	Decreased plasma iron in Alzheimer's disease is due to transferrin desaturation. <i>ACS Chemical Neuroscience</i> , 2015 , 6, 398-402	5.7	57
354	Effect of BDNF Val66Met on memory decline and hippocampal atrophy in prodromal Alzheimer's disease: a preliminary study. <i>PLoS ONE</i> , 2014 , 9, e86498	3.7	57
353	Stabilization of nontoxic A β oligomers: insights into the mechanism of action of hydroxyquinolines in Alzheimer's disease. <i>Journal of Neuroscience</i> , 2015 , 35, 2871-84	6.6	56
352	APOE ϵ moderates amyloid-related memory decline in preclinical Alzheimer's disease. <i>Neurobiology of Aging</i> , 2015 , 36, 1239-44	5.6	56
351	The pattern of atrophy in familial Alzheimer disease: volumetric MRI results from the DIAN study. <i>Neurology</i> , 2013 , 81, 1425-33	6.5	56
350	F-Florbetaben PET beta-amyloid binding expressed in Centiloids. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017 , 44, 2053-2059	8.8	55
349	Mouse-adapted sporadic human Creutzfeldt-Jakob disease prions propagate in cell culture. <i>International Journal of Biochemistry and Cell Biology</i> , 2008 , 40, 2793-801	5.6	55
348	Early behavioural changes in familial Alzheimer's disease in the Dominantly Inherited Alzheimer Network. <i>Brain</i> , 2015 , 138, 1036-45	11.2	54
347	Left frontal hub connectivity delays cognitive impairment in autosomal-dominant and sporadic Alzheimer's disease. <i>Brain</i> , 2018 , 141, 1186-1200	11.2	54
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