

Carmela Abraham

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5577774/carmela-abraham-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

130
papers

10,056
citations

46
h-index

100
g-index

138
ext. papers

10,946
ext. citations

7.4
avg, IF

5.51
L-index

#	Paper	IF	Citations
130	The spectrum of disease in chronic traumatic encephalopathy. <i>Brain</i> , 2013 , 136, 43-64	11.2	1313
129	Immunochemical identification of the serine protease inhibitor alpha 1-antichymotrypsin in the brain amyloid deposits of Alzheimer's disease. <i>Cell</i> , 1988 , 52, 487-501	56.2	861
128	Neurologic disease induced in transgenic mice by cerebral overexpression of interleukin 6. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 10061-5	11.5	839
127	Central nervous system damage produced by expression of the HIV-1 coat protein gp120 in transgenic mice. <i>Nature</i> , 1994 , 367, 188-93	50.4	604
126	X-ray diffraction from intraneuronal paired helical filaments and extraneuronal amyloid fibers in Alzheimer disease indicates cross-beta conformation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1986 , 83, 503-7	11.5	492
125	Insulin stimulates the cleavage and release of the extracellular domain of Klotho by ADAM10 and ADAM17. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 19796-801	11.5	396
124	Isolation of low-molecular-weight proteins from amyloid plaque fibers in Alzheimer's disease. <i>Journal of Neurochemistry</i> , 1986 , 46, 1820-34	6	310
123	Synaptotrophic effects of human amyloid beta protein precursors in the cortex of transgenic mice. <i>Brain Research</i> , 1994 , 666, 151-67	3.7	259
122	Antibodies to paired helical filaments in Alzheimer's disease do not recognize normal brain proteins. <i>Nature</i> , 1983 , 304, 727-30	50.4	259
121	Neurobiological bases of age-related cognitive decline in the rhesus monkey. <i>Journal of Neuropathology and Experimental Neurology</i> , 1996 , 55, 861-74	3.1	219
120	Microtubule-associated protein 2: monoclonal antibodies demonstrate the selective incorporation of certain epitopes into Alzheimer neurofibrillary tangles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1984 , 81, 7941-5	11.5	206
119	Increased microglial activation and protein nitration in white matter of the aging monkey. <i>Neurobiology of Aging</i> , 1999 , 20, 395-405	5.6	178
118	Life extension factor klotho enhances cognition. <i>Cell Reports</i> , 2014 , 7, 1065-76	10.6	166
117	Alpha 1-antichymotrypsin is associated solely with amyloid deposits containing the beta-protein. Amyloid and cell localization of alpha 1-antichymotrypsin. <i>Neurobiology of Aging</i> , 1990 , 11, 123-9	5.6	143
116	Alpha 1-antichymotrypsin binding to Alzheimer A beta peptides is sequence specific and induces fibril disaggregation in vitro. <i>Journal of Neurochemistry</i> , 1993 , 61, 298-305	6	132
115	The neuroprotective effect of Klotho is mediated via regulation of members of the redox system. <i>Journal of Biological Chemistry</i> , 2014 , 289, 24700-15	5.4	132
114	The cytosolic endopeptidase, thimet oligopeptidase, destroys antigenic peptides and limits the extent of MHC class I antigen presentation. <i>Immunity</i> , 2003 , 18, 429-40	32.3	125

113	Interaction of nascent ApoE2, ApoE3, and ApoE4 isoforms expressed in mammalian cells with amyloid peptide beta (1-40). Relevance to Alzheimer's disease. <i>Biochemistry</i> , 1997 , 36, 10571-80	3.2	121
112	The antiaging protein Klotho enhances oligodendrocyte maturation and myelination of the CNS. <i>Journal of Neuroscience</i> , 2013 , 33, 1927-39	6.6	108
111	Life extension factor klotho prevents mortality and enhances cognition in hAPP transgenic mice. <i>Journal of Neuroscience</i> , 2015 , 35, 2358-71	6.6	105
110	Amyloid precursor proteins protect neurons of transgenic mice against acute and chronic excitotoxic injuries in vivo. <i>Neuroscience</i> , 1997 , 78, 135-46	3.9	105
109	Astrocytes in Alzheimer's disease gray matter express alpha 1-antichymotrypsin mRNA. <i>American Journal of Pathology</i> , 1989 , 135, 827-34	5.8	101
108	Astroglial expression of human alpha(1)-antichymotrypsin enhances alzheimer-like pathology in amyloid protein precursor transgenic mice. <i>American Journal of Pathology</i> , 2000 , 157, 2003-10	5.8	100
107	Gene profile analysis implicates Klotho as an important contributor to aging changes in brain white matter of the rhesus monkey. <i>Glia</i> , 2008 , 56, 106-17	9	92
106	Protection against HIV-1 gp120-induced brain damage by neuronal expression of human amyloid precursor protein. <i>Journal of Experimental Medicine</i> , 1995 , 181, 1551-6	16.6	85
105	Amyloid precursor protein is synthesized by retinal ganglion cells, rapidly transported to the optic nerve plasma membrane and nerve terminals, and metabolized. <i>Journal of Neurochemistry</i> , 1993 , 61, 464-73	6	82
104	Alzheimer's disease: immunoreactivity of neurofibrillary tangles with anti-neurofilament and anti-paired helical filament antibodies. <i>Brain Research</i> , 1984 , 310, 249-60	3.7	79
103	Identification of cleavage sites leading to the shed form of the anti-aging protein klotho. <i>Biochemistry</i> , 2014 , 53, 5579-87	3.2	74
102	Astrocytic hypertrophy and altered GFAP degradation with age in subcortical white matter of the rhesus monkey. <i>Brain Research</i> , 2000 , 862, 1-10	3.7	73
101	Lack of correlation between plaque burden and cognition in the aged monkey. <i>Acta Neuropathologica</i> , 1997 , 94, 471-8	14.3	72
100	Metalloendopeptidase EC 3.4.24.15 is necessary for Alzheimer's amyloid-beta peptide degradation. <i>Journal of Biological Chemistry</i> , 1999 , 274, 18777-84	5.4	70
99	Age-dependent myelin degeneration and proteolysis of oligodendrocyte proteins is associated with the activation of calpain-1 in the rhesus monkey. <i>Journal of Neurochemistry</i> , 2003 , 84, 157-68	6	69
98	Apolipoprotein E is synthesized in the retina by Müller glial cells, secreted into the vitreous, and rapidly transported into the optic nerve by retinal ganglion cells. <i>Journal of Biological Chemistry</i> , 1996 , 271, 5628-32	5.4	68
97	Reactive astrocytes and alpha1-antichymotrypsin in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2001 , 22, 931-6	5.6	67
96	Neurotrophic and neuroprotective effects of hAPP in transgenic mice. <i>Annals of the New York Academy of Sciences</i> , 1996 , 777, 82-8	6.5	67

95	Age-related molecular reorganization at the node of Ranvier. <i>Journal of Comparative Neurology</i> , 2006 , 495, 351-62	3.4	66
94	Promoter methylation and age-related downregulation of Klotho in rhesus monkey. <i>Age</i> , 2012 , 34, 1405-19		61
93	Evidence for local production of acute phase response apolipoprotein serum amyloid A in Alzheimer's disease brain. <i>Neuroscience Letters</i> , 1997 , 225, 73-6	3.3	61
92	A calcium-activated protease from Alzheimer's disease brain cleaves at the N-terminus of the amyloid beta-protein. <i>Biochemical and Biophysical Research Communications</i> , 1991 , 174, 790-6	3.4	59
91	Alpha 1-antichymotrypsin is present together with the beta-protein in monkey brain amyloid deposits. <i>Neuroscience</i> , 1989 , 32, 715-20	3.9	58
90	Visualization of APP dimerization and APP-Notch2 heterodimerization in living cells using bimolecular fluorescence complementation. <i>Journal of Neurochemistry</i> , 2006 , 97, 30-43	6	56
89	Huntington's disease: changes in striatal proteins reflect astrocytic gliosis. <i>Brain Research</i> , 1982 , 245, 117-25	3.7	56
88	What's behind the decline? The role of white matter in brain aging. <i>Neurochemical Research</i> , 2007 , 32, 2023-31	4.6	53
87	Identification of a metalloprotease from Alzheimer's disease brain able to degrade the beta-amyloid precursor protein and generate amyloidogenic fragments. <i>Biochemistry</i> , 1994 , 33, 192-9	3.2	52
86	Transplants of mouse trisomy 16 hippocampus provide a model of Alzheimer's disease neuropathology.. <i>EMBO Journal</i> , 1991 , 10, 297-303	13	51
85	PLXNA4 is associated with Alzheimer disease and modulates tau phosphorylation. <i>Annals of Neurology</i> , 2014 , 76, 379-92	9.4	48
84	Small-molecule Klotho enhancers as novel treatment of neurodegeneration. <i>Future Medicinal Chemistry</i> , 2012 , 4, 1671-9	4.1	45
83	A calcium-stimulated serine protease from monkey brain degrades the beta-amyloid precursor protein. <i>Brain Research</i> , 1992 , 589, 207-16	3.7	44
82	Developmental expression of alpha 1-antichymotrypsin in brain may be related to astrogliosis. <i>Neurobiology of Aging</i> , 1991 , 12, 495-501	5.6	43
81	Protection against hemorrhagic shock in the cat by human plasma containing endotoxin-specific antibodies. <i>Journal of Surgical Research</i> , 1981 , 31, 18-21	2.5	43
80	Identification of novel small molecules that elevate Klotho expression. <i>Biochemical Journal</i> , 2012 , 441, 453-61	3.8	42
79	Acyl peptide hydrolase degrades monomeric and oligomeric amyloid-beta peptide. <i>Molecular Neurodegeneration</i> , 2009 , 4, 33	19	42
78	Association between bleomycin hydrolase and Alzheimer's disease in caucasians. <i>Annals of Neurology</i> , 1998 , 44, 808-11	9.4	39

77	Amyloid precursor protein interacts with notch receptors. <i>Journal of Neuroscience Research</i> , 2005 , 82, 32-42	4.4	39
76	Klotho Is a Neuroprotective and Cognition-Enhancing Protein. <i>Vitamins and Hormones</i> , 2016 , 101, 215-38	5.5	39
75	Allele epsilon 4 of apolipoprotein E shows a dose effect on age at onset of Pick disease. <i>Experimental Neurology</i> , 1995 , 136, 162-70	5.7	37
74	The role of the acute-phase protein alpha 1-antichymotrypsin in brain dysfunction and injury. <i>Research in Immunology</i> , 1992 , 143, 631-6		36
73	The Anti-Aging Protein Klotho Enhances Remyelination Following Cuprizone-Induced Demyelination. <i>Journal of Molecular Neuroscience</i> , 2015 , 57, 185-96	3.3	34
72	Age-dependent accumulation of ubiquitinated 2',3'-cyclic nucleotide 3'-phosphodiesterase in myelin lipid rafts. <i>Glia</i> , 2008 , 56, 118-33	9	34
71	Demonstration of plasma proteinase inhibitors in beta 2-microglobulin amyloid deposits. <i>Kidney International</i> , 1992 , 42, 915-23	9.9	34
70	. <i>Nature Biotechnology</i> , 1989 , 7, 147-153	44.5	32
69	The anti-aging and tumor suppressor protein Klotho enhances differentiation of a human oligodendrocytic hybrid cell line. <i>Journal of Molecular Neuroscience</i> , 2015 , 55, 76-90	3.3	31
68	Biochemical and functional characterization of the klotho-VS polymorphism implicated in aging and disease risk. <i>Journal of Biological Chemistry</i> , 2013 , 288, 36302-11	5.4	31
67	Induction of matrix metalloproteinase-2 in human immunodeficiency virus-1 glycoprotein 120 transgenic mouse brains. <i>Neuroscience Letters</i> , 1998 , 254, 97-100	3.3	31
66	Acyl peptide hydrolase, a serine proteinase isolated from conditioned medium of neuroblastoma cells, degrades the amyloid-beta peptide. <i>Journal of Neurochemistry</i> , 2007 , 100, 458-67	6	31
65	The protease inhibitor, alpha 1-antichymotrypsin, is a component of the brain amyloid deposits in normal aging and Alzheimer's disease. <i>Annals of Medicine</i> , 1989 , 21, 77-81	1.5	30
64	Expression of cathepsin G-like and alpha 1-antichymotrypsin-like proteins in reactive astrocytes. <i>Brain Research</i> , 1993 , 621, 222-32	3.7	29
63	Oxysterol-binding protein-1 (OSBP1) modulates processing and trafficking of the amyloid precursor protein. <i>Molecular Neurodegeneration</i> , 2008 , 3, 5	19	26
62	Activation of early components of complement targets myelin and oligodendrocytes in the aged rhesus monkey brain. <i>Neurobiology of Aging</i> , 2006 , 27, 633-44	5.6	26
61	Activation of calpain-1 in myelin and microglia in the white matter of the aged rhesus monkey. <i>Journal of Neurochemistry</i> , 2004 , 89, 430-41	6	26
60	Neutrophil proteases associated with amyloid fibrils. <i>Biochemical and Biophysical Research Communications</i> , 1993 , 197, 130-6	3.4	24

59	Activation of the Anti-Aging and Cognition-Enhancing Gene Klotho by CRISPR-dCas9 Transcriptional Effector Complex. <i>Journal of Molecular Neuroscience</i> , 2018 , 64, 175-184	3.3	22
58	Serum paraoxonase activity is associated with variants in the PON gene cluster and risk of Alzheimer disease. <i>Neurobiology of Aging</i> , 2012 , 33, 1015.e7-23	5.6	22
57	MicroRNA-339 and microRNA-556 regulate Klotho expression in vitro. <i>Age</i> , 2014 , 36, 141-9		21
56	Circulating fibroblast growth factor 23 levels and incident dementia: The Framingham heart study. <i>PLoS ONE</i> , 2019 , 14, e0213321	3.7	19
55	β-Antichymotrypsin Inhibits Aβ Degradation in Vitro and in Vivo. <i>Annals of the New York Academy of Sciences</i> , 2006 , 920, 245-248	6.5	18
54	Isolation of paired helical filaments and amyloid fibers from human brain. <i>Methods in Enzymology</i> , 1986 , 134, 388-404	1.7	17
53	Blood brain barrier endothelial cells express candidate amyloid precursor protein-cleaving secretases. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 1998 , 5, 153-62	2.7	16
52	Synthesis and secretion of active alpha 1-antichymotrypsin by murine primary astrocytes. <i>Neurobiology of Aging</i> , 1996 , 17, 767-71	5.6	16
51	Potential roles of protease inhibitors in Alzheimer's disease. <i>Neurobiology of Aging</i> , 1989 , 10, 463-5; discussion 477-8	5.6	15
50	Klotho Is Neuroprotective in the Superoxide Dismutase (SOD1) Mouse Model of ALS. <i>Journal of Molecular Neuroscience</i> , 2019 , 69, 264-285	3.3	14
49	Cell-type dependent modulation of Notch signaling by the amyloid precursor protein. <i>Journal of Neurochemistry</i> , 2010 , 113, 262-74	6	14
48	Lowering of amyloid beta peptide production with a small molecule inhibitor of amyloid-β precursor protein dimerization. <i>American Journal of Neurodegenerative Disease</i> , 2012 , 1, 75-87	2.5	14
47	Tau Phosphorylation is Impacted by Rare AKAP9 Mutations Associated with Alzheimer Disease in African Americans. <i>Journal of NeuroImmune Pharmacology</i> , 2018 , 13, 254-264	6.9	13
46	Monoclonal antibodies against the human metalloprotease EC 3.4.24.15 label neurofibrillary tangles in Alzheimer's disease brain. <i>Journal of Neurochemistry</i> , 1996 , 66, 2011-8	6	13
45	Platelets and DAMI megakaryocytes possess beta-secretase-like activity. <i>Translational Research</i> , 1999 , 133, 507-15		12
44	Purification and cloning of brain proteases capable of degrading the beta-amyloid precursor protein. <i>Annals of the New York Academy of Sciences</i> , 1992 , 674, 174-9	6.5	12
43	A latent collagenase in human aqueous humor. <i>Investigative Ophthalmology and Visual Science</i> , 1989 , 30, 332-5		12
42	A novel brain cysteine protease forms an SDS stable complex with the beta-amyloid precursor protein. <i>Annals of the New York Academy of Sciences</i> , 1996 , 777, 183-8	6.5	11

41	Human endopeptidase (THOP1) is localized on chromosome 19 within the linkage region for the late-onset alzheimer disease AD2 locus. <i>Genomics</i> , 1996 , 31, 246-9	4.3	11
40	Transplants of mouse trisomy 16 hippocampus provide a model of Alzheimer's disease neuropathology. <i>EMBO Journal</i> , 1991 , 10, 297-303	13	9
39	Klotho regulation by albuminuria is dependent on ATF3 and endoplasmic reticulum stress. <i>FASEB Journal</i> , 2020 , 34, 2087-2104	0.9	9
38	Klotho, PTSD, and advanced epigenetic age in cortical tissue. <i>Neuropsychopharmacology</i> , 2021 , 46, 721-789	0	8
37	Candidate molecular pathways of white matter vulnerability in the brain of normal aging rhesus monkeys. <i>GeroScience</i> , 2018 , 40, 31-47	8.9	7
36	PTSD and the klotho longevity gene: Evaluation of longitudinal effects on inflammation via DNA methylation. <i>Psychoneuroendocrinology</i> , 2020 , 117, 104656	5	7
35	Alpha 1-antichymotrypsin inhibits A beta degradation in vitro and in vivo. <i>Annals of the New York Academy of Sciences</i> , 2000 , 920, 245-8	6.5	7
34	Amyloid β protein precursor and apolipoprotein E production in cultured cerebral endothelial cells isolated from brains of patients with neurodegenerative disorders at autopsy. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 1995 , 2, 229-233	2.7	6
33	The fibril forming region of the beta-amyloid precursor differs from that of the amyloid A precursor in its interaction with lipids. <i>Biochemical and Biophysical Research Communications</i> , 1996 , 219, 962-7	3.4	6
32	Alpha 1-antichymotrypsin in brain aging and disease. <i>Progress in Clinical and Biological Research</i> , 1989 , 317, 1037-48		6
31	Comparable dimerization found in wildtype and familial Alzheimer's disease amyloid precursor protein mutants. <i>American Journal of Neurodegenerative Disease</i> , 2013 , 2, 15-28	2.5	6
30	Identification of the cleavage sites leading to the shed forms of human and mouse anti-aging and cognition-enhancing protein Klotho. <i>PLoS ONE</i> , 2020 , 15, e0226382	3.7	5
29	Identification of a novel serine protease-like molecule in human brain. <i>Molecular Brain Research</i> , 1998 , 55, 181-97		4
28	Identification of full length β amyloid precursor protein in human neuronal and non-neuronal cell culture supernatant: a possible extracellular source for the generation of A β . <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 1994 , 1, 232-239	2.7	4
27	Studies on the proteolytic degradation of the beta-protein precursor by proteases purified from Alzheimer's disease brain. <i>Annals of the New York Academy of Sciences</i> , 1991 , 640, 161-5	6.5	4
26	Small Molecule Amyloid- β Protein Precursor Processing Modulators Lower Amyloid- β Peptide Levels via cKit Signaling. <i>Journal of Alzheimer's Disease</i> , 2019 , 67, 1089-1106	4.3	4
25	Acylaminoacyl-Peptidase 2013 , 3401-3403		2
24	Amyloid beta peptide: a century of discoveries. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2000 , 7, 7-9	2.7	2

23	A method to specifically activate the Klotho promoter by using zinc finger proteins constructed from modular building blocks and from naturally engineered Egr1 transcription factor backbone. <i>FASEB Journal</i> , 2020 , 34, 7234-7246	0.9	1
22	Detection of amyloid- β protein precursor homo-interactions using beta-galactosidase enzyme fragment complementation. <i>Journal of Alzheimer's Disease</i> , 2011 , 26, 647-55	4.3	1
21	Facile and sensitive assay for monitoring proteolytic activities with defined specificities: studies on amyloid beta-protein processing in Alzheimer's disease. <i>Peptide Research</i> , 1990 , 3, 211-5		1
20	Biochemical and Structural Studies of Paired Helical Filaments and Senile Plaque Amyloid in Alzheimer's Disease 1986 , 709-715		1
19	The Serpin, α_1 -Antichymotrypsin, in Brain Aging and Diseases of the Nervous System 1990 , 321-327		1
18	AAV-mediated expression of secreted and transmembrane Klotho isoforms rescues relevant aging hallmarks in senescent SAMP8 mice.. <i>Aging Cell</i> , 2022 , e13581	9.9	1
17	miR-142-3p regulates cortical oligodendrocyte gene co-expression networks associated with tauopathy. <i>Human Molecular Genetics</i> , 2021 , 30, 103-118	5.6	0
16	[P3092]: TAU PHOSPHORYLATION IS IMPACTED BY RARE AD-ASSOCIATED AKAP9 MUTATIONS SPECIFIC TO AFRICAN AMERICANS 2017 , 13, P969-P969		
15	Amyloid Beta Peptide and the Amyloid Cascade Hypothesis 2011 , 262-276		
14	Hypothesis: β amyloid precursor protein is a key sorting and targeting receptor for neuropeptidases. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 1997 , 4, 233-239	2.7	
13	Metalloendopeptidase EC 3.4.24.15 in Neurodegeneration 2002 , 101-116		
12	The identification of an Alzheimer's disease gene on chromosome 14 opens new avenues for research. The views of an amyloidologist. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 1995 , 2, 213-216	2.7	
11	Purification and cloning of monkey proteases involved in the processing of the beta-amyloid precursor protein. <i>Neurobiology of Aging</i> , 1993 , 14, 677-9	5.6	
10	HPLC Analysis of Proteins from Alzheimer Paired Helical Filaments. <i>Annals of the New York Academy of Sciences</i> , 1987 , 494, 369-372	6.5	
9	α_1 -Antichymotrypsin 1990 , 75-88		
8	Proteolytic Processing of β Protein Precursor-Related Synthetic Peptides. <i>Advances in Behavioral Biology</i> , 1990 , 69-74		
7	Proteolytic Processing of β Amyloid Protein-Related Synthetic Peptides and the β Protein Precursor by a Protease Purified from Alzheimer's Disease Brain 1991 , 718-721		
6	Molecular Properties of Paired Helical Filaments and Senile Plaque Amyloid Fibers in Alzheimer's Disease. <i>Advances in Behavioral Biology</i> , 1986 , 37-42		

- 5 Identification of the cleavage sites leading to the shed forms of human and mouse anti-aging and cognition-enhancing protein Klotho **2020**, 15, e0226382
- 4 Identification of the cleavage sites leading to the shed forms of human and mouse anti-aging and cognition-enhancing protein Klotho **2020**, 15, e0226382
- 3 Identification of the cleavage sites leading to the shed forms of human and mouse anti-aging and cognition-enhancing protein Klotho **2020**, 15, e0226382
- 2 Identification of the cleavage sites leading to the shed forms of human and mouse anti-aging and cognition-enhancing protein Klotho **2020**, 15, e0226382
- 1 Small heat shock protein β -crystallin potentiates A β neurotoxicity by hetero-oligomeric stabilization.. *Alzheimer's and Dementia*, **2021**, 17 Suppl 3, e055265 1.2