Carmela Abraham

List of Publications by Year
in descending order

129	11,872	41344 49	26613 107
papers	citations	h-index	g-index

138	138	138	10411
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	AAVâ€mediated expression of secreted and transmembrane Î±Klotho isoforms rescues relevant aging hallmarks in senescent SAMP8 mice. Aging Cell, 2022, 21, e13581.	6.7	10
2	Klotho, PTSD, and advanced epigenetic age in cortical tissue. Neuropsychopharmacology, 2021, 46, 721-730.	5.4	16
3	miR-142-3p regulates cortical oligodendrocyte gene co-expression networks associated with tauopathy. Human Molecular Genetics, 2021, 30, 103-118.	2.9	5
4	A Transgenic Model Reveals the Role of Klotho in Pancreatic Cancer Development and Paves the Way for New Klotho-Based Therapy. Cancers, 2021, 13, 6297.	3.7	9
5	Small heat shock protein Î±B-crystallin potentiates AÎ² neurotoxicity by hetero-oligomeric stabilization.. Alzheimer's and Dementia, 2021, 17 Suppl 3, e055265.	0.8	0
6	Klotho regulation by albuminuria is dependent on ATF3 and endoplasmic reticulum stress. FASEB Journal, 2020, 34, 2087-2104.	0.5	19
7	Identification of the cleavage sites leading to the shed forms of human and mouse anti-aging and cognition-enhancing protein Klotho. PLoS ONE, 2020, 15, e0226382.	2.5	9
8	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. FASEB Journal, 2020, 34, 7234-7246.	0.5	4
9	PTSD and the klotho longevity gene: Evaluation of longitudinal effects on inflammation via DNA methylation. Psychoneuroendocrinology, 2020, 117, 104656.	2.7	11
10	Title is missing!. , 2020, 15, e0226382.		0
11	Title is missing!. , 2020, 15, e0226382.		0
12	Title is missing!. , 2020, 15, e0226382.		0
13	Title is missing!. , 2020, 15, e0226382.		0
14	Klotho Is Neuroprotective in the Superoxide Dismutase (SOD1G93A) Mouse Model of ALS. Journal of Molecular Neuroscience, 2019, 69, 264-285.	2.3	23
15	Circulating fibroblast growth factor 23 levels and incident dementia: The Framingham heart study. PLoS ONE, 2019, 14, e0213321.	2.5	29
16	Small Molecule Amyloid-Î² Protein Precursor Processing Modulators Lower Amyloid-Î² Peptide Levels via cKit Signaling. Journal of Alzheimer's Disease, 2019, 67, 1089-1106.	2.6	6
17	Activation of the Anti-Aging and Cognition-Enhancing Gene Klotho by CRISPR-dCas9 Transcriptional Effector Complex. Journal of Molecular Neuroscience, 2018, 64, 175-184.	2.3	33
18	Candidate molecular pathways of white matter vulnerability in the brain of normal aging rhesus monkeys. GeroScience, 2018, 40, 31-47.	4.6	10

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19	Tau Phosphorylation is Impacted by Rare AKAP9 Mutations Associated with Alzheimer Disease in African Americans. Journal of NeuroImmune Pharmacology, 2018, 13, 254-264.	4.1	19
20	[P3â€“092]: TAU PHOSPHORYLATION IS IMPACTED BY RARE ADâ€ASSOCIATED AKAP9 MUTATIONS SPECIFIC TO AFRICAN AMERICANS. Alzheimer's and Dementia, 2017, 13, P969.	0.8	0
21	Klotho Is a Neuroprotective and Cognition-Enhancing Protein. Vitamins and Hormones, 2016, 101, 215-238.	1.7	61
22	Life Extension Factor Klotho Prevents Mortality and Enhances Cognition in hAPP Transgenic Mice. Journal of Neuroscience, 2015, 35, 2358-2371.	3.6	157
23	The Anti-Aging Protein Klotho Enhances Remyelination Following Cuprizone-Induced Demyelination. Journal of Molecular Neuroscience, 2015, 57, 185-196.	2.3	44
24	The Anti-Aging and Tumor Suppressor Protein Klotho Enhances Differentiation of a Human Oligodendrocytic Hybrid Cell Line. Journal of Molecular Neuroscience, 2015, 55, 76-90.	2.3	48
25	MicroRNA-339 and microRNA-556 regulate Klotho expression in vitro. Age, 2014, 36, 141-149.	3.0	28
26	<scp>PLXNA</scp>4 is associated with <scp>A</scp>lzheimer disease and modulates tau phosphorylation. Annals of Neurology, 2014, 76, 379-392.	5.3	60
27	Identification of Cleavage Sites Leading to the Shed Form of the Anti-Aging Protein Klotho. Biochemistry, 2014, 53, 5579-5587.	2.5	105
28	Life Extension Factor Klotho Enhances Cognition. Cell Reports, 2014, 7, 1065-1076.	6.4	243
29	The Neuroprotective Effect of Klotho is Mediated via Regulation of Members of the Redox System. Journal of Biological Chemistry, 2014, 289, 24700-24715.	3.4	183
30	Acylaminoacyl-Peptidase. , 2013, , 3401-3403.		2
31	The spectrum of disease in chronic traumatic encephalopathy. Brain, 2013, 136, 43-64.	7.6	1,690
32	The Antiaging Protein Klotho Enhances Oligodendrocyte Maturation and Myelination of the CNS. Journal of Neuroscience, 2013, 33, 1927-1939.	3.6	142
33	Biochemical and Functional Characterization of the Klotho-VS Polymorphism Implicated in Aging and Disease Risk. Journal of Biological Chemistry, 2013, 288, 36302-36311.	3.4	32
34	Comparable dimerization found in wildtype and familial Alzheimer's disease amyloid precursor protein mutants. American Journal of Neurodegenerative Disease, 2013, 2, 15-28.	0.1	7
35	Identification of novel small molecules that elevate Klotho expression. Biochemical Journal, 2012, 441, 453-461.	3.7	49
36	Small-molecule Klotho enhancers as novel treatment of neurodegeneration. Future Medicinal Chemistry, 2012, 4, 1671-1679.	2.3	60

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37	Promoter methylation and age-related downregulation of Klotho in rhesus monkey. Age, 2012, 34, 1405-1419.	3.0	78
38	Serum paraoxonase activity is associated with variants in the PON gene cluster and risk of Alzheimer disease. Neurobiology of Aging, 2012, 33, 1015.e7-1015.e23.	3.1	32
39	Lowering of amyloid beta peptide production with a small molecule inhibitor of amyloid-Î² precursor protein dimerization. American Journal of Neurodegenerative Disease, 2012, 1, 75-87.	0.1	14
40	Detection of Amyloid-Î² Protein Precursor Homo-Interactions Using Beta-Galactosidase Enzyme Fragment Complementation. Journal of Alzheimer's Disease, 2011, 26, 647-655.	2.6	1
41	Cellâ€type dependent modulation of Notch signaling by the amyloid precursor protein. Journal of Neurochemistry, 2010, 113, 262-274.	3.9	15
42	Acyl peptide hydrolase degrades monomeric and oligomeric amyloid-beta peptide. Molecular Neurodegeneration, 2009, 4, 33.	10.8	55
43	Oxysterol-binding protein-1 (OSBP1) modulates processing and trafficking of the amyloid precursor protein. Molecular Neurodegeneration, 2008, 3, 5.	10.8	30
44	Gene profile analysis implicates Klotho as an important contributor to aging changes in brain white matter of the rhesus monkey. Glia, 2008, 56, 106-117.	4.9	118
45	Ageâ€dependent accumulation of ubiquitinated 2â€²,3â€²â€cyclic nucleotide 3â€²â€phosphodiesterase in myelin lipid rafts. Glia, 2008, 56, 118-133.	4.9	38
46	Insulin stimulates the cleavage and release of the extracellular domain of Klotho by ADAM10 and ADAM17. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 19796-19801.	7.1	475
47	Acyl peptide hydrolase, a serine proteinase isolated from conditioned medium of neuroblastoma cells, degrades the amyloid-? peptide. Journal of Neurochemistry, 2007, 100, 458-467.	3.9	36
48	Whatâ€™s Behind the Decline? The Role of White Matter in Brain Aging. Neurochemical Research, 2007, 32, 2023-2031.	3.3	58
49	Activation of early components of complement targets myelin and oligodendrocytes in the aged rhesus monkey brain. Neurobiology of Aging, 2006, 27, 633-644.	3.1	28
50	Visualization of APP dimerization and APPâ€Notch2 heterodimerization in living cells using bimolecular fluorescence complementation. Journal of Neurochemistry, 2006, 97, 30-43.	3.9	62
51	Age-related molecular reorganization at the node of Ranvier. Journal of Comparative Neurology, 2006, 495, 351-362.	1.6	76
52	Amyloid precursor protein interacts with notch receptors. Journal of Neuroscience Research, 2005, 82, 32-42.	2.9	45
53	Activation of calpain-1 in myelin and microglia in the white matter of the aged rhesus monkey. Journal of Neurochemistry, 2004, 89, 430-441.	3.9	28
54	The Cytosolic Endopeptidase, Thimet Oligopeptidase, Destroys Antigenic Peptides and Limits the Extent of MHC Class I Antigen Presentation. Immunity, 2003, 18, 429-440.	14.3	137

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55	Metalloendopeptidase EC 3.4.24.15 in Neurodegeneration. , 2002, , 101-116.		0
56	Age-dependent myelin degeneration and proteolysis of oligodendrocyte proteins is associated with the activation of calpain-1 in the rhesus monkey. Journal of Neurochemistry, 2002, 84, 157-168.	3.9	78
57	Reactive astrocytes and ÃŽÂ±1-antichymotrypsin in Alzheimer's disease. Neurobiology of Aging, 2001, 22, 931-936.	3.1	78
58	Astrocytic hypertrophy and altered GFAP degradation with age in subcortical white matter of the rhesus monkey. Brain Research, 2000, 862, 1-10.	2.2	78
59	Amyloid Î² peptide: A century of discoveries. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2000, 7, 7-9.	3.0	2
60	Astroglial Expression of Human Î±1-Antichymotrypsin Enhances Alzheimer-like Pathology in Amyloid Protein Precursor Transgenic Mice. American Journal of Pathology, 2000, 157, 2003-2010.	3.8	125
61	Î±1â€Antichymotrypsin Inhibits AÎ² Degradation in Vitro and in Vivo. Annals of the New York Academy of Sciences, 2000, 920, 245-248.	3.8	26
62	Alpha 1-antichymotrypsin inhibits A beta degradation in vitro and in vivo. Annals of the New York Academy of Sciences, 2000, 920, 245-8.	3.8	8
63	Metalloendopeptidase EC 3.4.24.15 Is Necessary for Alzheimer's Amyloid-Î² Peptide Degradation. Journal of Biological Chemistry, 1999, 274, 18777-18784.	3.4	88
64	Platelets and DAMI megakaryocytes possess Î²-secretase-like activity. Translational Research, 1999, 133, 507-515.	2.3	12
65	Increased microglial activation and protein nitration in white matter of the aging monkeyâ˜†. Neurobiology of Aging, 1999, 20, 395-405.	3.1	191
66	Association between bleomycin hydrolase and Alzheimer's disease in caucasians. Annals of Neurology, 1998, 44, 808-811.	5.3	48
67	Identification of a novel serine protease-like molecule in human brain. Molecular Brain Research, 1998, 55, 181-197.	2.3	6
68	Induction of matrix metalloproteinase-2 in human immunodeficiency virus-1 glycoprotein 120 transgenic mouse brains. Neuroscience Letters, 1998, 254, 97-100.	2.1	31
69	Blood brain barrier endothelial cells express candidate amyloid precursor protein-cleaving secretases. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 1998, 5, 153-162.	3.0	18
70	Hypothesis: Î² amyloid precursor protein is a key sorting and targeting receptor for neuropeptidases. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 1997, 4, 233-239.	3.0	0
71	Interaction of Nascent ApoE2, ApoE3, and ApoE4 Isoforms Expressed in Mammalian Cells with Amyloid Peptide Î² (1â˜’40). Relevance to Alzheimer's Disease. Biochemistry, 1997, 36, 10571-10580.	2.5	139
72	Evidence for local production of acute phase response apolipoprotein serum amyloid A in Alzheimer's disease brain. Neuroscience Letters, 1997, 225, 73-76.	2.1	67

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73	Amyloid precursor proteins protect neurons of transgenic mice against acute and chronic excitotoxic injuries in vivo. Neuroscience, 1997, 78, 135-146.	2.3	110
74	Lack of correlation between plaque burden and cognition in the aged monkey. Acta Neuropathologica, 1997, 94, 471-478.	7.7	86
75	Synthesis and secretion of active Î±1-Antichymotrypsin by murine primary astrocytes. Neurobiology of Aging, 1996, 17, 767-771.	3.1	17
76	Neurotrophic and Neuroprotective Effects of hAPP in Transgenic Micea. Annals of the New York Academy of Sciences, 1996, 777, 82-88.	3.8	81
77	A Novel Brain Cysteine Protease Forms an SDS Stable Complex with the Î²-Amyloid Precursor Proteina. Annals of the New York Academy of Sciences, 1996, 777, 183-188.	3.8	11
78	The Fibril Forming Region of the Î²-Amyloid Precursor Differs from That of the Amyloid A Precursor in Its Interaction with Lipids1. Biochemical and Biophysical Research Communications, 1996, 219, 962-967.	2.1	6
79	Human Endopeptidase (THOP1) Is Localized on Chromosome 19 within the Linkage Region for the Late-Onset Alzheimer Disease AD2 Locus. Genomics, 1996, 31, 246-249.	2.9	13
80	Neurobiological Bases of Age-Related Cognitive Decline in the Rhesus Monkey. Journal of Neuropathology and Experimental Neurology, 1996, 55, 861-873.	1.7	283
81	Apolipoprotein E Is Synthesized in the Retina by MÃ¼ller Glial Cells, Secreted into the Vitreous, and Rapidly Transported into the Optic Nerve by Retinal Ganglion Cells. Journal of Biological Chemistry, 1996, 271, 5628-5632.	3.4	91
82	Monoclonal Antibodies Against the Human Metalloprotease EC 3.4.24.15 Label Neurofibrillary Tangles in Alzheimer's Disease Brain. Journal of Neurochemistry, 1996, 66, 2011-2018.	3.9	14
83	Protection against HIV-1 gp120-induced brain damage by neuronal expression of human amyloid precursor protein.. Journal of Experimental Medicine, 1995, 181, 1551-1556.	8.5	88
84	Allele Ïµ4 of Apolipoprotein E Shows a Dose Effect on Age at Onset of Pick Disease. Experimental Neurology, 1995, 136, 162-170.	4.1	50
85	Amyloid Î²-protein precursor and apolipoprotein E production in cultured cerebral endothelial cells isolated from brains of patients with neurodegenerative disorders at autopsy. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 1995, 2, 229-233.	3.0	7
86	The identification of an Alzheimer's disease gene on chromosome 14 opens new avenues for research. The views of an amyloidologist. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 1995, 2, 213-216.	3.0	0
87	Synaptotrophic effects of human amyloid Î² protein precursors in the cortex of transgenic mice. Brain Research, 1994, 666, 151-167.	2.2	271
88	Central nervous system damage produced by expression of the HIV-1 coat protein gpl20 in transgenic mice. Nature, 1994, 367, 188-193.	27.8	685
89	Identification of full length Î²-amyloid precursor protein in human neuronal and non-neuronal cell culture supernatant: a possible extracellular source for the generation of AÎ². Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 1994, 1, 232-239.	3.0	4
90	Identification of a metalloprotease from Alzheimer's disease brain able to degrade the .beta.-amyloid precursor protein and generate amyloidogenic fragments. Biochemistry, 1994, 33, 192-199.	2.5	56

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91	?1-Antichymotrypsin Binding to Alzheimer A? Peptides Is Sequence Specific and Induces Fibril Disaggregation In Vitro. Journal of Neurochemistry, 1993, 61, 298-305.	3.9	141
92	Expression of cathepsin G-like and Î±1-antichymotrypsin-like proteins in reactive astrocytes. Brain Research, 1993, 621, 222-232.	2.2	35
93	Neutrophil Proteases Associated with Amyloid Fibrils. Biochemical and Biophysical Research Communications, 1993, 197, 130-136.	2.1	26
94	Purification and cloning of monkey proteases involved in the processing of the Î²-amyloid precursor protein. Neurobiology of Aging, 1993, 14, 677-679.	3.1	0
95	Neurologic disease induced in transgenic mice by cerebral overexpression of interleukin 6.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 10061-10065.	7.1	957
96	Amyloid Precursor Protein Is Synthesized by Retinal Ganglion Cells, Rapidly Transported to the Optic Nerve Plasma Membrane and Nerve Terminals, and Metabolized. Journal of Neurochemistry, 1993, 61, 464-473.	3.9	98
97	The role of the acute-phase protein Î±1-antichymotrypsin in brain dysfunction and injury. Research in Immunology, 1992, 143, 631-636.	0.9	39
98	Purification and Cloning of Brain Proteases Capable of Degrading the ?-Amyloid Precursor Protein. Annals of the New York Academy of Sciences, 1992, 674, 174-179.	3.8	13
99	A calcium-stimulated serine protease from monkey brain degrades the Î²-amyloid precursor protein. Brain Research, 1992, 589, 207-216.	2.2	45
100	Demonstration of plasma proteinase inhibitors in Î²2-microglobulin amyloid deposits. Kidney International, 1992, 42, 915-923.	5.2	37
101	Developmental expression of Î±1-antichymotrypsin in brain may be related to astrogliosis. Neurobiology of Aging, 1991, 12, 495-501.	3.1	47
102	A calcium-activated protease from Alzheimer's disease brain cleaves at the N-terminus of the amyloid Î²-protein. Biochemical and Biophysical Research Communications, 1991, 174, 790-796.	2.1	60
103	Transplants of mouse trisomy 16 hippocampus provide a model of Alzheimer's disease neuropathology.. EMBO Journal, 1991, 10, 297-303.	7.8	58
104	Studies on the Proteolytic Degradation of the Î²â€Protein Precursor by Proteases Purified from Alzheimer's Disease Braina. Annals of the New York Academy of Sciences, 1991, 640, 161-165.	3.8	5
105	Proteolytic Processing of ÃŸ-Amyloid Protein-Related Synthetic Peptides and the ÃŸ-Protein Precursor by a Protease Purified from Alzheimerâ€™s Disease Brain. , 1991, , 718-721.		0
106	Transplants of mouse trisomy 16 hippocampus provide a model of Alzheimer's disease neuropathology. EMBO Journal, 1991, 10, 297-303.	7.8	9
107	Î±1-Antichymotrypsin is associated solely with amyloid deposits containing the Î²-protein. Amyloid and cell localization of Î±1-antichymotrypsin. Neurobiology of Aging, 1990, 11, 123-129.	3.1	151
108	Î±1Ã¡-Antichymotrypsin. , 1990, , 75-88.		0

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109	Proteolytic Processing of Î²-Protein Precursor-Related Synthetic Peptides. Advances in Behavioral Biology, 1990, , 69-74.	0.2	0
110	Facile and sensitive assay for monitoring proteolytic activities with defined specificities: studies on amyloid beta-protein processing in Alzheimer's disease. Peptide Research, 1990, 3, 211-5.	0.2	1
111	The Protease Inhibitor, Î±1-Antichymotrypsin, Is a Component of the Brain Amyloid Deposits in Normal Aging and Alzheimer's Disease. Annals of Medicine, 1989, 21, 77-81.	3.8	33
112	Alzheimer's Disease: Recent Advances in Understanding the Brain Amyloid Deposits. Nature Biotechnology, 1989, 7, 147-153.	17.5	36
113	Potential roles of protease inhibitors in Alzheimer's disease. Neurobiology of Aging, 1989, 10, 463-465.	3.1	15
114	Î±1-Antichymotrypsin is present together with the Î²-protein in monkey brain amyloid deposits. Neuroscience, 1989, 32, 715-720.	2.3	66
115	Astrocytes in Alzheimer's disease gray matter express alpha 1-antichymotrypsin mRNA. American Journal of Pathology, 1989, 135, 827-34.	3.8	108
116	Alpha 1-antichymotrypsin in brain aging and disease. Progress in Clinical and Biological Research, 1989, 317, 1037-48.	0.2	6
117	A latent collagenase in human aqueous humor. Investigative Ophthalmology and Visual Science, 1989, 30, 332-5.	3.3	12
118	Immunochemical identification of the serine protease inhibitor Î±1-antichymotrypsin in the brain amyloid deposits of Alzheimer's disease. Cell, 1988, 52, 487-501.	28.9	942
119	HPLC Analysis of Proteins from Alzheimer Paired Helical Filaments. Annals of the New York Academy of Sciences, 1987, 494, 369-372.	3.8	0
120	[37] Isolation of paired helical filaments and amyloid fibers from human brain. Methods in Enzymology, 1986, 134, 388-404.	1.0	21
121	X-ray diffraction from intraneuronal paired helical filaments and extraneuronal amyloid fibers in Alzheimer disease indicates cross-beta conformation.. Proceedings of the National Academy of Sciences of the United States of America, 1986, 83, 503-507.	7.1	540
122	Isolation of Lowâ€Molecularâ€Weight Proteins from Amyloid Plaque Fibers in Alzheimer's Disease. Journal of Neurochemistry, 1986, 46, 1820-1834.	3.9	370
123	Biochemical and Structural Studies of Paired Helical Filaments and Senile Plaque Amyloid in Alzheimerâ€™s Disease. , 1986, , 709-715.		1
124	Molecular Properties of Paired Helical Filaments and Senile Plaque Amyloid Fibers in Alzheimerâ€™s Disease. Advances in Behavioral Biology, 1986, , 37-42.	0.2	0
125	Alzheimer's disease: Immunoreactivity of neurofibrillary tangles with anti-neurofilament and anti-paired helical filament antibodies. Brain Research, 1984, 310, 249-260.	2.2	84
126	Microtubule-associated protein 2: monoclonal antibodies demonstrate the selective incorporation of certain epitopes into Alzheimer neurofibrillary tangles.. Proceedings of the National Academy of Sciences of the United States of America, 1984, 81, 7941-7945.	7.1	219

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127	Antibodies to paired helical filaments in Alzheimer's disease do not recognize normal brain proteins. Nature, 1983, 304, 727-730.	27.8	273
128	Huntington's disease: Changes in striatal proteins reflect astrocytic gliosis. Brain Research, 1982, 245, 117-125.	2.2	66
129	Protection against hemorrhagic shock in the cat by human plasma containing endotoxin-specific antibodies. Journal of Surgical Research, 1981, 31, 18-21.	1.6	48