Carmela Abraham

List of Publications by Year in descending order

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26613 41344 11,872 129 49 107 citations h-index g-index papers 138 138 138 10411 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	The spectrum of disease in chronic traumatic encephalopathy. Brain, 2013, 136, 43-64.	7.6	1,690
2	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
3	Immunochemical identification of the serine protease inhibitor $\hat{l}\pm 1$ -antichymotrypsin in the brain amyloid deposits of Alzheimer's disease. Cell, 1988, 52, 487-501.	28.9	942
4	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
5	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
6	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
7	Isolation of Lowâ€Molecularâ€Weight Proteins from Amyloid Plaque Fibers in Alzheimer's Disease. Journal of Neurochemistry, 1986, 46, 1820-1834.	3.9	370
8	Neurobiological Bases of Age-Related Cognitive Decline in the Rhesus Monkey. Journal of Neuropathology and Experimental Neurology, 1996, 55, 861-873.	1.7	283
9	Antibodies to paired helical filaments in Alzheimer's disease do not recognize normal brain proteins. Nature, 1983, 304, 727-730.	27.8	273
10	Synaptotrophic effects of human amyloid \hat{l}^2 protein precursors in the cortex of transgenic mice. Brain Research, 1994, 666, 151-167.	2.2	271
11	Life Extension Factor Klotho Enhances Cognition. Cell Reports, 2014, 7, 1065-1076.	6.4	243
12	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
13	Increased microglial activation and protein nitration in white matter of the aging monkeyâ~†. Neurobiology of Aging, 1999, 20, 395-405.	3.1	191
14	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
15	Life Extension Factor Klotho Prevents Mortality and Enhances Cognition in hAPP Transgenic Mice. Journal of Neuroscience, 2015, 35, 2358-2371.	3.6	157
16	$\hat{l}\pm 1$ -Antichymotrypsin is associated solely with amyloid deposits containing the \hat{l}^2 -protein. Amyloid and cell localization of $\hat{l}\pm 1$ -antichymotrypsin. Neurobiology of Aging, 1990, 11, 123-129.	3.1	151
17	The Antiaging Protein Klotho Enhances Oligodendrocyte Maturation and Myelination of the CNS. Journal of Neuroscience, 2013, 33, 1927-1939.	3.6	142
18	?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

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19	Interaction of Nascent ApoE2, ApoE3, and ApoE4 Isoforms Expressed in Mammalian Cells with Amyloid Peptide \hat{l}^2 (1 \hat{a} °40). Relevance to Alzheimer's Disease. Biochemistry, 1997, 36, 10571-10580.	2.5	139
20	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
21	Astroglial Expression of Human $\hat{l}\pm 1$ -Antichymotrypsin Enhances Alzheimer-like Pathology in Amyloid Protein Precursor Transgenic Mice. American Journal of Pathology, 2000, 157, 2003-2010.	3.8	125
22	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
23	Amyloid precursor proteins protect neurons of transgenic mice against acute and chronic excitotoxic injuries in vivo. Neuroscience, 1997, 78, 135-146.	2.3	110
24	Astrocytes in Alzheimer's disease gray matter express alpha 1-antichymotrypsin mRNA. American Journal of Pathology, 1989, 135, 827-34.	3.8	108
25	Identification of Cleavage Sites Leading to the Shed Form of the Anti-Aging Protein Klotho. Biochemistry, 2014, 53, 5579-5587.	2.5	105
26	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
27	Apolipoprotein E Is Synthesized in the Retina by Mýller 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
28	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
29	Metalloendopeptidase EC 3.4.24.15 Is Necessary for Alzheimer's Amyloid-β Peptide Degradation. Journal of Biological Chemistry, 1999, 274, 18777-18784.	3.4	88
30	Lack of correlation between plaque burden and cognition in the aged monkey. Acta Neuropathologica, 1997, 94, 471-478.	7.7	86
31	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
32	Neurotrophic and Neuroprotective Effects of hAPP in Transgenic Micea. Annals of the New York Academy of Sciences, 1996, 777, 82-88.	3.8	81
33	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
34	Reactive astrocytes and α1-antichymotrypsin in Alzheimer's disease. Neurobiology of Aging, 2001, 22, 931-936.	3.1	78
35	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
36	Promoter methylation and age-related downregulation of Klotho in rhesus monkey. Age, 2012, 34, 1405-1419.	3.0	78

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37	Age-related molecular reorganization at the node of Ranvier. Journal of Comparative Neurology, 2006, 495, 351-362.	1.6	76
38	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
39	Huntington's disease: Changes in striatal proteins reflect astrocytic gliosis. Brain Research, 1982, 245, 117-125.	2.2	66
40	$\hat{l}\pm 1$ -Antichymotrypsin is present together with the \hat{l}^2 -protein in monkey brain amyloid deposits. Neuroscience, 1989, 32, 715-720.	2.3	66
41	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
42	Klotho Is a Neuroprotective and Cognition-Enhancing Protein. Vitamins and Hormones, 2016, 101, 215-238.	1.7	61
43	A calcium-activated protease from Alzheimer's disease brain cleaves at the N-terminus of the amyloid \hat{l}^2 -protein. Biochemical and Biophysical Research Communications, 1991, 174, 790-796.	2.1	60
44	Small-molecule Klotho enhancers as novel treatment of neurodegeneration. Future Medicinal Chemistry, 2012, 4, 1671-1679.	2.3	60
45	<scp><i>PLXNA</i></scp> <i>4</i> is associated with <scp>A</scp> lzheimer disease and modulates tau phosphorylation. Annals of Neurology, 2014, 76, 379-392.	5.3	60
46	Transplants of mouse trisomy 16 hippocampus provide a model of Alzheimer's disease neuropathology EMBO Journal, 1991, 10, 297-303.	7.8	58
47	What's Behind the Decline? The Role of White Matter in Brain Aging. Neurochemical Research, 2007, 32, 2023-2031.	3.3	58
48	Identification of a metalloprotease from Alzheimer's disease brain able to degrade the .betaamyloid precursor protein and generate amyloidogenic fragments. Biochemistry, 1994, 33, 192-199.	2.5	56
49	Acyl peptide hydrolase degrades monomeric and oligomeric amyloid-beta peptide. Molecular Neurodegeneration, 2009, 4, 33.	10.8	55
50	Allele ϵ4 of Apolipoprotein E Shows a Dose Effect on Age at Onset of Pick Disease. Experimental Neurology, 1995, 136, 162-170.	4.1	50
51	Identification of novel small molecules that elevate Klotho expression. Biochemical Journal, 2012, 441, 453-461.	3.7	49
52	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
53	Association between bleomycin hydrolase and Alzheimer's disease in caucasians. Annals of Neurology, 1998, 44, 808-811.	5.3	48
54	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

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55	Developmental expression of $\hat{l}\pm 1$ -antichymotrypsin in brain may be related to astrogliosis. Neurobiology of Aging, 1991, 12, 495-501.	3.1	47
56	A calcium-stimulated serine protease from monkey brain degrades the \hat{l}^2 -amyloid precursor protein. Brain Research, 1992, 589, 207-216.	2.2	45
57	Amyloid precursor protein interacts with notch receptors. Journal of Neuroscience Research, 2005, 82, 32-42.	2.9	45
58	The Anti-Aging Protein Klotho Enhances Remyelination Following Cuprizone-Induced Demyelination. Journal of Molecular Neuroscience, 2015, 57, 185-196.	2.3	44
59	The role of the acute-phase protein $\hat{l}\pm 1$ -antichymotrypsin in brain dysfunction and injury. Research in Immunology, 1992, 143, 631-636.	0.9	39
60	Ageâ€dependent accumulation of ubiquitinated 2′,3′â€cyclic nucleotide 3′â€phosphodiesterase in myelirafts. Glia, 2008, 56, 118-133.	n lipid	38
61	Demonstration of plasma proteinase inhibitors in \hat{I}^2 2-microglobulin amyloid deposits. Kidney International, 1992, 42, 915-923.	5.2	37
62	Alzheimer's Disease: Recent Advances in Understanding the Brain Amyloid Deposits. Nature Biotechnology, 1989, 7, 147-153.	17.5	36
63	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
64	Expression of cathepsin G-like and $\hat{l}\pm 1$ -antichymotrypsin-like proteins in reactive astrocytes. Brain Research, 1993, 621, 222-232.	2.2	35
65	The Protease Inhibitor, $\hat{l}\pm 1$ -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
66	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
67	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
68	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
69	Induction of matrix metalloproteinase-2 in human immunodeficiency virus-1 glycoprotein 120 transgenic mouse brains. Neuroscience Letters, 1998, 254, 97-100.	2.1	31
70	Oxysterol-binding protein-1 (OSBP1) modulates processing and trafficking of the amyloid precursor protein. Molecular Neurodegeneration, 2008, 3, 5.	10.8	30
71	Circulating fibroblast growth factor 23 levels and incident dementia: The Framingham heart study. PLoS ONE, 2019, 14, e0213321.	2.5	29
72	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

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73	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
74	MicroRNA-339 and microRNA-556 regulate Klotho expression in vitro. Age, 2014, 36, 141-149.	3.0	28
75	Neutrophil Proteases Associated with Amyloid Fibrils. Biochemical and Biophysical Research Communications, 1993, 197, 130-136.	2.1	26
76	α1â€Antichymotrypsin Inhibits Aβ Degradation <i>in Vitro</i> and <i>in Vivo</i> . Annals of the New York Academy of Sciences, 2000, 920, 245-248.	3.8	26
77	Klotho Is Neuroprotective in the Superoxide Dismutase (SOD1G93A) Mouse Model of ALS. Journal of Molecular Neuroscience, 2019, 69, 264-285.	2.3	23
78	[37] Isolation of paired helical filaments and amyloid fibers from human brain. Methods in Enzymology, 1986, 134, 388-404.	1.0	21
79	Tau Phosphorylation is Impacted by Rare AKAP9 Mutations Associated with Alzheimer Disease in African Americans. Journal of Neurolmmune Pharmacology, 2018, 13, 254-264.	4.1	19
80	Klotho regulation by albuminuria is dependent on ATF3 and endoplasmic reticulum stress. FASEB Journal, 2020, 34, 2087-2104.	0.5	19
81	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
82	Synthesis and secretion of active $\hat{l}\pm 1$ -Antichymotrypsin by murine primary astrocytes. Neurobiology of Aging, 1996, 17, 767-771.	3.1	17
83	Klotho, PTSD, and advanced epigenetic age in cortical tissue. Neuropsychopharmacology, 2021, 46, 721-730.	5.4	16
84	Potential roles of protease inhibitors in Alzheimer's disease. Neurobiology of Aging, 1989, 10, 463-465.	3.1	15
85	Cellâ€type dependent modulation of Notch signaling by the amyloid precursor protein. Journal of Neurochemistry, 2010, 113, 262-274.	3.9	15
86	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
87	Lowering of amyloid beta peptide production with a small molecule inhibitor of amyloid- \hat{l}^2 precursor protein dimerization. American Journal of Neurodegenerative Disease, 2012, 1, 75-87.	0.1	14
88	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
89	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
90	Platelets and DAMI megakaryocytes possess \hat{l}^2 -secretase-like activity. Translational Research, 1999, 133, 507-515.	2.3	12

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91	A latent collagenase in human aqueous humor. Investigative Ophthalmology and Visual Science, 1989, 30, 332-5.	3.3	12
92	A Novel Brain Cysteine Protease Forms an SDS Stable Complex with the \hat{l}^2 -Amyloid Precursor Proteina. Annals of the New York Academy of Sciences, 1996, 777, 183-188.	3.8	11
93	PTSD and the klotho longevity gene: Evaluation of longitudinal effects on inflammation via DNA methylation. Psychoneuroendocrinology, 2020, 117, 104656.	2.7	11
94	Candidate molecular pathways of white matter vulnerability in the brain of normal aging rhesus monkeys. GeroScience, 2018, 40, 31-47.	4.6	10
95	AAVâ€mediated expression of secreted and transmembrane αKlotho isoforms rescues relevant aging hallmarks in senescent SAMP8 mice. Aging Cell, 2022, 21, e13581.	6.7	10
96	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
97	Transplants of mouse trisomy 16 hippocampus provide a model of Alzheimer's disease neuropathology. EMBO Journal, 1991, 10, 297-303.	7.8	9
98	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
99	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
100	Amyloid \hat{l}^2 -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
101	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
102	The Fibril Forming Region of the \hat{l}^2 -Amyloid Precursor Differs from That of the Amyloid A Precursor in Its Interaction with Lipids 1. Biochemical and Biophysical Research Communications, 1996, 219, 962-967.	2.1	6
103	Identification of a novel serine protease-like molecule in human brain. Molecular Brain Research, 1998, 55, 181-197.	2.3	6
104	Small Molecule Amyloid- \hat{l}^2 Protein Precursor Processing Modulators Lower Amyloid- \hat{l}^2 Peptide Levels via cKit Signaling. Journal of Alzheimer's Disease, 2019, 67, 1089-1106.	2.6	6
105	Alpha 1-antichymotrypsin in brain aging and disease. Progress in Clinical and Biological Research, 1989, 317, 1037-48.	0.2	6
106	Studies on the Proteolytic Degradation of the $\langle i \rangle \hat{l}^2 \langle i \rangle \hat{a} \in Protein Precursor$ by Proteases Purified from Alzheimer's Disease Braina. Annals of the New York Academy of Sciences, 1991, 640, 161-165.	3.8	5
107	<i>miR-142-3p</i> regulates cortical oligodendrocyte gene co-expression networks associated with tauopathy. Human Molecular Genetics, 2021, 30, 103-118.	2.9	5
108	Identification of full length \hat{l}^2 -amyloid precursor protein in human neuronal and non-neuronal cell culture supernatant: a possible extracellular source for the generation of $A\hat{l}^2$. 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

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109	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
110	Amyloid \hat{I}^2 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
111	Acylaminoacyl-Peptidase., 2013,, 3401-3403.		2
112	Detection of Amyloid- \hat{l}^2 Protein Precursor Homo-Interactions Using Beta-Galactosidase Enzyme Fragment Complementation. Journal of Alzheimer's Disease, 2011, 26, 647-655.	2.6	1
113	Biochemical and Structural Studies of Paired Helical Filaments and Senile Plaque Amyloid in Alzheimer's Disease. , 1986, , 709-715.		1
114	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
115	HPLC Analysis of Proteins from Alzheimer Paired Helical Filaments. Annals of the New York Academy of Sciences, 1987, 494, 369-372.	3.8	O
116	Purification and cloning of monkey proteases involved in the processing of the \hat{l}^2 -amyloid precursor protein. Neurobiology of Aging, 1993, 14, 677-679.	3.1	0
117	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	O
118	Hypothesis: \hat{l}^2 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
119	Metalloendopeptidase EC 3.4.24.15 in Neurodegeneration. , 2002, , 101-116.		0
120	[P3â€"092]: TAU PHOSPHORYLATION IS IMPACTED BY RARE ADâ€ASSOCIATED ⟨i⟩AKAP9⟨/i⟩ MUTATIONS SPECITO AFRICAN AMERICANS. Alzheimer's and Dementia, 2017, 13, P969.	FIC 0.8	0
121	Molecular Properties of Paired Helical Filaments and Senile Plaque Amyloid Fibers in Alzheimer's Disease. Advances in Behavioral Biology, 1986, , 37-42.	0.2	O
122	$\hat{l}\pm1\tilde{A}_{i}$ -Antichymotrypsin. , 1990, , 75-88.		0
123	Proteolytic Processing of \hat{l}^2 -Protein Precursor-Related Synthetic Peptides. Advances in Behavioral Biology, 1990, , 69-74.	0.2	O
124	Proteolytic Processing of ß-Amyloid Protein-Related Synthetic Peptides and the ß-Protein Precursor by a Protease Purified from Alzheimer's Disease Brain. , 1991, , 718-721.		0
125	Title is missing!. , 2020, 15, e0226382.		O
126	Title is missing!. , 2020, 15, e0226382.		0

#	Article	IF	CITATIONS
127	Title is missing!. , 2020, 15, e0226382.		O
128	Title is missing!. , 2020, 15, e0226382.		0
129	Small heat shock protein $\hat{l}\pm B$ -crystallin potentiates $A\hat{l}^2$ neurotoxicity by hetero-oligomeric stabilization Alzheimer's and Dementia, 2021, 17 Suppl 3, e055265.	0.8	O