

Charles G Glabe

List of Publications by Year in descending order

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49
papers

10,774
citations

159585

30
h-index

233421

45
g-index

52
all docs

52
docs citations

52
times ranked

11054
citing authors

#	ARTICLE	IF	CITATIONS
1	Common Structure of Soluble Amyloid Oligomers Implies Common Mechanism of Pathogenesis. <i>Science</i> , 2003, 300, 486-489.	12.6	3,748
2	Structural Classification of Toxic Amyloid Oligomers. <i>Journal of Biological Chemistry</i> , 2008, 283, 29639-29643.	3.4	716
3	Atomic-resolution structure of a disease-relevant A β (1-42) amyloid fibril. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E4976-84.	7.1	712
4	Fibril specific, conformation dependent antibodies recognize a generic epitope common to amyloid fibrils and fibrillar oligomers that is absent in prefibrillar oligomers. <i>Molecular Neurodegeneration</i> , 2007, 2, 18.	10.8	655
5	Structure-Activity Analyses of β -Amyloid Peptides: Contributions of the 25-35 Region to Aggregation and Neurotoxicity. <i>Journal of Neurochemistry</i> , 1995, 64, 253-265.	3.9	641
6	Atomic View of a Toxic Amyloid Small Oligomer. <i>Science</i> , 2012, 335, 1228-1231.	12.6	518
7	Common mechanisms of amyloid oligomer pathogenesis in degenerative disease. <i>Neurobiology of Aging</i> , 2006, 27, 570-575.	3.1	513
8	Common structure and toxic function of amyloid oligomers implies a common mechanism of pathogenesis. <i>Neurology</i> , 2006, 66, S74-S78.	1.1	322
9	Annular Protofibrils Are a Structurally and Functionally Distinct Type of Amyloid Oligomer. <i>Journal of Biological Chemistry</i> , 2009, 284, 4230-4237.	3.4	307
10	Early long-term administration of the CSF1R inhibitor PLX3397 ablates microglia and reduces accumulation of intraneuronal amyloid, neuritic plaque deposition and pre-fibrillar oligomers in 5XFAD mouse model of Alzheimer's disease. <i>Molecular Neurodegeneration</i> , 2018, 13, 11.	10.8	260
11	Loss of endosomal/lysosomal membrane impermeability is an early event in amyloid A β 1-42 pathogenesis. <i>Journal of Neuroscience Research</i> , 1998, 52, 691-698.	2.9	253
12	Intracellular Mechanisms of Amyloid Accumulation and Pathogenesis in Alzheimer's Disease. <i>Journal of Molecular Neuroscience</i> , 2001, 17, 137-145.	2.3	205
13	Protein misfolding, congophilia, oligomerization, and defective amyloid processing in preeclampsia. <i>Science Translational Medicine</i> , 2014, 6, 245ra92.	12.4	181
14	Conformation-dependent antibodies target diseases of protein misfolding. <i>Trends in Biochemical Sciences</i> , 2004, 29, 542-547.	7.5	154
15	Conformation dependent monoclonal antibodies distinguish different replicating strains or conformers of prefibrillar A β oligomers. <i>Molecular Neurodegeneration</i> , 2010, 5, 57.	10.8	135
16	Amyloid- β Annular Protofibrils Evade Fibrillar Fate in Alzheimer Disease Brain. <i>Journal of Biological Chemistry</i> , 2011, 286, 22122-22130.	3.4	127
17	Familial Alzheimer's Disease Mutations within the Amyloid Precursor Protein Alter the Aggregation and Conformation of the Amyloid- β Peptide. <i>Journal of Biological Chemistry</i> , 2017, 292, 3172-3185.	3.4	123
18	Monoclonal Antibodies against A β 42 Fibrils Distinguish Multiple Aggregation State Polymorphisms in Vitro and in Alzheimer Disease Brain. <i>Journal of Biological Chemistry</i> , 2014, 289, 32131-32143.	3.4	103

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19	Atomic structures of fibrillar segments of hIAPP suggest tightly mated β^2 -sheets are important for cytotoxicity. <i>ELife</i> , 2017, 6, .	6.0	95
20	Synaptic Amyloid- β^2 Oligomers Precede p-Tau and Differentiate High Pathology Control Cases. <i>American Journal of Pathology</i> , 2016, 186, 185-198.	3.8	94
21	Intracellular amyloid and the neuronal origin of Alzheimer neuritic plaques. <i>Neurobiology of Disease</i> , 2014, 71, 53-61.	4.4	85
22	Deficiency of TYROBP, an adapter protein for TREM2 and CR3 receptors, is neuroprotective in a mouse model of early Alzheimer's pathology. <i>Acta Neuropathologica</i> , 2017, 134, 769-788.	7.7	85
23	Amyloid β protein is internalized selectively by hippocampal field CA1 and causes neurons to accumulate amyloidogenic carboxyterminal fragments of the amyloid precursor protein. , 1998, 397, 139-147.		81
24	Structure-based inhibitors of amyloid beta core suggest a common interface with tau. <i>ELife</i> , 2019, 8, .	6.0	81
25	Pore-Forming Proteins Share Structural and Functional Homology with Amyloid Oligomers. <i>NeuroMolecular Medicine</i> , 2007, 9, 270-275.	3.4	78
26	Structural differences between amyloid beta oligomers. <i>Biochemical and Biophysical Research Communications</i> , 2016, 477, 700-705.	2.1	65
27	Common fibrillar spines of amyloid- β^2 and human islet amyloid polypeptide revealed by microelectron diffraction and structure-based inhibitors. <i>Journal of Biological Chemistry</i> , 2018, 293, 2888-2902.	3.4	50
28	Dietary DHA supplementation in an APP/PS1 transgenic rat model of AD reduces behavioral and $A\beta^2$ pathology and modulates $A\beta^2$ oligomerization. <i>Neurobiology of Disease</i> , 2015, 82, 552-560.	4.4	48
29	Epitomic Characterization of the Specificity of the Anti-Amyloid $A\beta^2$ Monoclonal Antibodies 6E10 and 4G8. <i>Journal of Alzheimer's Disease</i> , 2018, 66, 1235-1244.	2.6	45
30	Effective anti-Alzheimer $A\beta^2$ therapy involves depletion of specific $A\beta^2$ oligomer subtypes. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2016, 3, e237.	6.0	39
31	Apolipoprotein E/Amyloid- β^2 Complex Accumulates in Alzheimer Disease Cortical Synapses via Apolipoprotein E Receptors and Is Enhanced by APOE4. <i>American Journal of Pathology</i> , 2019, 189, 1621-1636.	3.8	35
32	Does Alzheimer disease tilt the scales of amyloid degradation versus accumulation?. <i>Nature Medicine</i> , 2000, 6, 133-134.	30.7	34
33	THE EFFECT OF SOLUBLE EGG JELLY ON THE FERTILIZABILITY OF ACID-DEJELLIED SEA URCHIN EGGS*. <i>Development Growth and Differentiation</i> , 1979, 21, 47-60.	1.5	28
34	The Anti-Amyloid- β^2 Monoclonal Antibody 4G8 Recognizes a Generic Sequence-Independent Epitope Associated with β^2 -Synuclein and Islet Amyloid Polypeptide Amyloid Fibrils. <i>Journal of Alzheimer's Disease</i> , 2016, 50, 517-525.	2.6	28
35	Inefficient quality control of ribosome stalling during APP synthesis generates CAT-tailed species that precipitate hallmarks of Alzheimer's disease. <i>Acta Neuropathologica Communications</i> , 2021, 9, 169.	5.2	28
36	Positron Emission Tomography Imaging of Fibrillar Parenchymal and Vascular Amyloid- β^2 in TgCRND8 Mice. <i>ACS Chemical Neuroscience</i> , 2013, 4, 613-623.	3.5	21

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37	Crystal structure of a conformational antibody that binds tau oligomers and inhibits pathological seeding by extracts from donors with Alzheimer's disease. <i>Journal of Biological Chemistry</i> , 2020, 295, 10662-10676.	3.4	21
38	Quantitative Imaging of Preamyloid Oligomers, a Novel Structural Abnormality, in Human Atrial Samples. <i>Journal of Histochemistry and Cytochemistry</i> , 2014, 62, 479-487.	2.5	13
39	Intra- and extracellular β -amyloid overexpression via adeno-associated virus-mediated gene transfer impairs memory and synaptic plasticity in the hippocampus. <i>Scientific Reports</i> , 2019, 9, 15936.	3.3	12
40	<i>In vitro</i> study of the mechanism of intraneuronal β -amyloid aggregation in Alzheimer's disease. <i>Archives of Physiology and Biochemistry</i> , 2022, 128, 732-739.	2.1	10
41	An epitome analysis of the specificity of conformation-dependent, anti-A β amyloid monoclonal antibodies. <i>Journal of Biological Chemistry</i> , 2021, 296, 100168.	3.4	9
42	BIOMEDICINE: Avoiding Collateral Damage in Alzheimer's Disease Treatment. <i>Science</i> , 2006, 314, 602-603.	12.6	4
43	Conformation-dependent anti-A β monoclonal antibody signatures of disease status and severity in urine of women with preeclampsia. <i>Pregnancy Hypertension</i> , 2022, 28, 51-59.	1.4	4
44	Amyloid β protein is internalized selectively by hippocampal field CA1 and causes neurons to accumulate amyloidogenic carboxyterminal fragments of the amyloid precursor protein. <i>Journal of Comparative Neurology</i> , 1998, 397, 139-147.	1.6	3
45	Identification of amyloid antibodies for Alzheimer disease " immunotherapy. <i>Archives of Physiology and Biochemistry</i> , 2022, 128, 1275-1282.	2.1	2
46	When Sperm Meets Egg: The Interaction of Bindin with Sulfated Fucans.. <i>Trends in Glycoscience and Glycotechnology</i> , 1991, 3, 406-413.	0.1	2
47	Subtractive analysis of <i>S. franciscanus</i> and <i>S. purpuratus</i> ovary mRNA: what kinds of genes determine species-specificity?. <i>Zygote</i> , 1999, 8, S64-S64.	1.1	0
48	Improved synthesis and purification of Alzheimer's A β 1-42 and analogs. <i>International Journal of Peptide Research and Therapeutics</i> , 1999, 6, 151-156.	0.1	0
49	Improved synthesis and purification of Alzheimer's A β 1-42 and analogs. <i>International Journal of Peptide Research and Therapeutics</i> , 1999, 6, 151-156.	0.1	0