

# Charles Glabe

## List of Publications by Year in descending order

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34  
papers

4,094  
citations

257450

24  
h-index

434195

31  
g-index

36  
all docs

36  
docs citations

36  
times ranked

5529  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cu(II) Potentiation of Alzheimer A $\beta$ Neurotoxicity. <i>Journal of Biological Chemistry</i> , 1999, 274, 37111-37116.	3.4	688
2	Atomic View of a Toxic Amyloid Small Oligomer. <i>Science</i> , 2012, 335, 1228-1231.	12.6	518
3	Different Conformations of Amyloid $\beta$ Induce Neurotoxicity by Distinct Mechanisms in Human Cortical Neurons. <i>Journal of Neuroscience</i> , 2006, 26, 6011-6018.	3.6	466
4	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
5	Soluble Amyloid Oligomers Increase Bilayer Conductance by Altering Dielectric Structure. <i>Journal of General Physiology</i> , 2006, 128, 637-647.	1.9	211
6	Intracellular Mechanisms of Amyloid Accumulation and Pathogenesis in Alzheimer's Disease. <i>Journal of Molecular Neuroscience</i> , 2001, 17, 137-145.	2.3	205
7	Progressive accumulation of amyloid $\beta$ oligomers in Alzheimer's disease and in amyloid precursor protein transgenic mice is accompanied by selective alterations in synaptic scaffold proteins. <i>FEBS Journal</i> , 2010, 277, 3051-3067.	4.7	188
8	Fibrillar Oligomers Nucleate the Oligomerization of Monomeric Amyloid $\beta$ but Do Not Seed Fibril Formation. <i>Journal of Biological Chemistry</i> , 2010, 285, 6071-6079.	3.4	143
9	Conformation dependent monoclonal antibodies distinguish different replicating strains or conformers of prefibrillar A $\beta$ oligomers. <i>Molecular Neurodegeneration</i> , 2010, 5, 57.	10.8	135
10	Intracellular A $\beta$ <sub>1-42</sub> Aggregates Stimulate the Accumulation of Stable, Insoluble Amyloidogenic Fragments of the Amyloid Precursor Protein in Transfected Cells. <i>Journal of Biological Chemistry</i> , 1995, 270, 14786-14792.	3.4	124
11	Days to criterion as an indicator of toxicity associated with human Alzheimer amyloid $\beta$ oligomers. <i>Annals of Neurology</i> , 2010, 68, 220-230.	5.3	123
12	A Two-Year Study with Fibrillar A $\beta$ -Amyloid (A $\beta$ ) Immunization in Aged Canines: Effects on Cognitive Function and Brain A $\beta$ . <i>Journal of Neuroscience</i> , 2008, 28, 3555-3566.	3.6	113
13	Monoclonal Antibodies against A $\beta$ <sub>42</sub> 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
14	Synaptic Amyloid- $\beta$ Oligomers Precede p-Tau and Differentiate High Pathology Control Cases. <i>American Journal of Pathology</i> , 2016, 186, 185-198.	3.8	94
15	Methylene Blue Modulates Huntingtin Aggregation Intermediates and Is Protective in Huntington's Disease Models. <i>Journal of Neuroscience</i> , 2012, 32, 11109-11119.	3.6	86
16	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
17	Hsp70 and Hsp40 Functionally Interact with Soluble Mutant Huntingtin Oligomers in a Classic ATP-dependent Reaction Cycle. <i>Journal of Biological Chemistry</i> , 2010, 285, 38183-38193.	3.4	74
18	Oxidation of A $\beta$ and Plaque Biogenesis in Alzheimer's Disease and Down Syndrome. <i>Neurobiology of Disease</i> , 2001, 8, 792-806.	4.4	71

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19	Epitomic Characterization of the Specificity of the Anti-Amyloid A $\beta$ Monoclonal Antibodies 6E10 and 4G8. <i>Journal of Alzheimer's Disease</i> , 2018, 66, 1235-1244.	2.6	45
20	A fibril-specific, conformation-dependent antibody recognizes a subset of A $\beta$ plaques in Alzheimer disease, Down syndrome and Tg2576 transgenic mouse brain. <i>Acta Neuropathologica</i> , 2009, 118, 505-517.	7.7	41
21	Examination of potential mechanisms of amyloid-induced defects in neuronal transport. <i>Neurobiology of Disease</i> , 2009, 36, 11-25.	4.4	40
22	Studies on the interactions of sperm with the surface of the sea urchin egg. <i>Developmental Biology</i> , 1981, 84, 397-406.	2.0	36
23	Apolipoprotein E/Amyloid- $\beta$ 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
24	Does Alzheimer disease tilt the scales of amyloid degradation versus accumulation?. <i>Nature Medicine</i> , 2000, 6, 133-134.	30.7	34
25	The Anti-Amyloid- $\beta$ Monoclonal Antibody 4G8 Recognizes a Generic Sequence-Independent Epitope Associated with $\beta$ -Synuclein and Islet Amyloid Polypeptide Amyloid Fibrils. <i>Journal of Alzheimer's Disease</i> , 2016, 50, 517-525.	2.6	28
26	Unexpected partial correction of metabolic and behavioral phenotypes of Alzheimer's APP/PSEN1 mice by gene targeting of diabetes/Alzheimer's-related Sorcs1. <i>Acta Neuropathologica Communications</i> , 2016, 4, 16.	5.2	24
27	Crystal structure of a conformation-dependent rabbit IgG Fab specific for amyloid prefibrillar oligomers. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012, 1820, 1908-1914.	2.4	22
28	CNI-1493 inhibits A $\beta$ production, plaque formation, and cognitive deterioration in an animal model of Alzheimer's disease. <i>Journal of Experimental Medicine</i> , 2008, 205, 1593-1599.	8.5	21
29	Positron Emission Tomography Imaging of Fibrillar Parenchymal and Vascular Amyloid- $\beta$ in TgCRND8 Mice. <i>ACS Chemical Neuroscience</i> , 2013, 4, 613-623.	3.5	21
30	An epitomic analysis of the specificity of conformation-dependent, anti-A $\beta$ amyloid monoclonal antibodies. <i>Journal of Biological Chemistry</i> , 2021, 296, 100168.	3.4	9
31	Synthesis of Alzheimer's (1-42) A $\beta$ -amyloid peptide with preformed Fmoc-aminoacyl fluorides. <i>Techniques in Protein Chemistry</i> , 1997, , 865-873.	0.3	2
32	A $\beta$ Structure and Aggregation. , 2007, , 113-131.		1
33	Improved synthesis and purification of Alzheimer's A $\beta$ 1-42 and analogs. <i>International Journal of Peptide Research and Therapeutics</i> , 1999, 6, 151-156.	0.1	0
34	CNI-1493 inhibits A $\beta$ production, plaque formation, and cognitive deterioration in an animal model of Alzheimer's disease. <i>Journal of Cell Biology</i> , 2008, 182, i1-i1.	5.2	0