

Thomas L Williams

List of Publications by Year in descending order

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16
papers

1,162
citations

623734

14
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

2029
citing authors

#	ARTICLE	IF	CITATIONS
1	Membrane and surface interactions of Alzheimer's A β peptide – insights into the mechanism of cytotoxicity. <i>FEBS Journal</i> , 2011, 278, 3905-3917.	4.7	314
2	Structural Basis for Increased Toxicity of Pathological A β ₄₂ :A β ₄₀ Ratios in Alzheimer Disease. <i>Journal of Biological Chemistry</i> , 2012, 287, 5650-5660.	3.4	201
3	A central role for dityrosine crosslinking of Amyloid- β in Alzheimer's disease. <i>Acta Neuropathologica Communications</i> , 2013, 1, 83.	5.2	150
4	Characterizing the Assembly of the Sup35 Yeast Prion Fragment, GNNQQNY: Structural Changes Accompany a Fiber-to-Crystal Switch. <i>Biophysical Journal</i> , 2010, 98, 330-338.	0.5	94
5	A β ₄₂ oligomers, but not fibrils, simultaneously bind to and cause damage to ganglioside-containing lipid membranes. <i>Biochemical Journal</i> , 2011, 439, 67-77.	3.7	93
6	The Effect of Alzheimer's A β Aggregation State on the Permeation of Biomimetic Lipid Vesicles. <i>Langmuir</i> , 2010, 26, 17260-17268.	3.5	92
7	Visualization of co-localization in A β ₄₂ -administered neuroblastoma cells reveals lysosome damage and autophagosome accumulation related to cell death. <i>Biochemical Journal</i> , 2012, 441, 579-590.	3.7	59
8	Measurement of the Binding of Cholera Toxin to GM1 Gangliosides on Solid Supported Lipid Bilayer Vesicles and Inhibition by Europium (III) Chloride. <i>Journal of the American Chemical Society</i> , 2008, 130, 6438-6443.	13.7	27
9	Effects of A β exposure on long-term associative memory and its neuronal mechanisms in a defined neuronal network. <i>Scientific Reports</i> , 2015, 5, 10614.	3.3	27
10	Optical waveguide spectroscopy study of the transport and binding of cytochrome c in mesoporous titanium dioxide electrodes. <i>Journal of Materials Chemistry</i> , 2008, 18, 4304.	6.7	21
11	Soluble Prion Protein Binds Isolated Low Molecular Weight Amyloid- β Oligomers Causing Cytotoxicity Inhibition. <i>ACS Chemical Neuroscience</i> , 2015, 6, 1972-1980.	3.5	19
12	Attachment and Phospholipase A2-Induced Lysis of Phospholipid Bilayer Vesicles to Plasma-Polymerized Maleic Anhydride/SiO ₂ Multilayers. <i>Langmuir</i> , 2007, 23, 6294-6298.	3.5	18
13	Elucidation of insulin assembly at acidic and neutral pH: Characterization of low molecular weight oligomers. <i>Proteins: Structure, Function and Bioinformatics</i> , 2017, 85, 2096-2110.	2.6	18
14	Fluorophore-Encapsulated Solid-Supported Bilayer Vesicles: A Method for Studying Membrane Permeation Processes. <i>Langmuir</i> , 2006, 22, 6473-6476.	3.5	16
15	Europium as an inhibitor of Amyloid- β (1-42) induced membrane permeation. <i>FEBS Letters</i> , 2015, 589, 3228-3236.	2.8	9
16	Monitoring changes of paramagnetically-shifted ³¹ P signals in phospholipid vesicles. <i>Chemical Physics Letters</i> , 2016, 648, 124-129.	2.6	4