

# Luke A Miles

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

1,060  
citations

471509

17  
h-index

454955

30  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1663  
citing authors

#	ARTICLE	IF	CITATIONS
1	Associations of plasma soluble CD22 levels with brain amyloid burden and cognitive decline in Alzheimer's disease. <i>Science Advances</i> , 2022, 8, eabm5667.	10.3	6
2	N-terminal heterogeneity of parenchymal and vascular amyloid $\beta$ deposits in Alzheimer's disease. <i>Neuropathology and Applied Neurobiology</i> , 2020, 46, 673-685.	3.2	20
3	Small Molecule Binding to Alzheimer Risk Factor CD33 Promotes $A\beta$ Phagocytosis. <i>IScience</i> , 2019, 19, 110-118.	4.1	59
4	Transitional changes in the CRP structure lead to the exposure of proinflammatory binding sites. <i>Nature Communications</i> , 2017, 8, 14188.	12.8	158
5	Ex vivo $^{18}O$ -labeling mass spectrometry identifies a peripheral amyloid $\beta$ clearance pathway. <i>Molecular Neurodegeneration</i> , 2017, 12, 18.	10.8	17
6	Promiscuous DNA-binding of a mutant zinc finger protein corrupts the transcriptome and diminishes cell viability. <i>Nucleic Acids Research</i> , 2017, 45, 1130-1143.	14.5	33
7	Molecular basis for mid-region amyloid- $\beta$ capture by leading Alzheimer's disease immunotherapies. <i>Scientific Reports</i> , 2015, 5, 9649.	3.3	73
8	Abeta targets of the biosimilar antibodies of Bapineuzumab, Crenezumab, Solanezumab in comparison to an antibody against N-truncated Abeta in sporadic Alzheimer disease cases and mouse models. <i>Acta Neuropathologica</i> , 2015, 130, 713-729.	7.7	53
9	Crystallization and preliminary X-ray diffraction analysis of the Fab portion of the Alzheimer's disease immunotherapy candidate bapineuzumab complexed with amyloid- $\beta$ . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 374-377.	0.8	10
10	Anti- $A\beta$ antibody target engagement: a response to Siemers et al.. <i>Acta Neuropathologica</i> , 2014, 128, 611-614.	7.7	4
11	Do current therapeutic anti- $A\beta$ antibodies for Alzheimer's disease engage the target?. <i>Acta Neuropathologica</i> , 2014, 127, 803-810.	7.7	52
12	Synthetic dityrosine-linked $\beta$ -amyloid dimers form stable, soluble, neurotoxic oligomers. <i>Chemical Science</i> , 2013, 4, 4449.	7.4	44
13	Bapineuzumab captures the N-terminus of the Alzheimer's disease amyloid-beta peptide in a helical conformation. <i>Scientific Reports</i> , 2013, 3, 1302.	3.3	89
14	Structural approaches to probing metal interaction with proteins. <i>Journal of Inorganic Biochemistry</i> , 2012, 115, 138-147.	3.5	14
15	An <i>Escherichia coli</i> Cell-Free System for Recombinant Protein Synthesis on a Milligram Scale. <i>Methods in Molecular Biology</i> , 2011, 752, 17-28.	0.9	1
16	Solid-phase synthesis of homodimeric peptides: preparation of covalently-linked dimers of amyloid $\beta$ peptide. <i>Chemical Communications</i> , 2009, , 6228.	4.1	39
17	Copper binding to the Alzheimer's disease amyloid precursor protein. <i>European Biophysics Journal</i> , 2008, 37, 269-279.	2.2	62
18	Crystallization and preliminary X-ray diffraction analysis of the Fab fragment of WO2, an antibody specific for the $A\beta$ peptides associated with Alzheimer's disease. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2008, 64, 438-441.	0.7	11

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19	Amyloid- $\beta$ Anti-Amyloid- $\beta$ Complex Structure Reveals an Extended Conformation in the Immunodominant B-Cell Epitope. <i>Journal of Molecular Biology</i> , 2008, 377, 181-192.	4.2	49
20	Cu <sup>2+</sup> Binding Modes of Recombinant $\beta$ -Synuclein Insights from EPR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2008, 130, 7766-7773.	13.7	100
21	Structures of Phage-Display Peptides that Bind to the Malarial Surface Protein, Apical Membrane Antigen 1, and Block Erythrocyte Invasion. <i>Biochemistry</i> , 2003, 42, 9915-9923.	2.5	32
22	Structure of a Novel P-superfamily Spasmodic Conotoxin Reveals an Inhibitory Cystine Knot Motif. <i>Journal of Biological Chemistry</i> , 2002, 277, 43033-43040.	3.4	34
23	Rates of reactions of H atoms with some CVD precursors. <i>Thin Solid Films</i> , 2000, 368, 176-180.	1.8	5
24	Rate constants for H+(CH <sub>3</sub> ) <sub>4</sub> <sup>n</sup> SiH <sub>n</sub> , n=1-4. <i>Chemical Physics Letters</i> , 1998, 282, 192-196.	2.6	25
25	Rate constants for H+(CH <sub>3</sub> ) <sub>4</sub> <sup>n</sup> GeH <sub>n</sub> , n=1-3. <i>Chemical Physics Letters</i> , 1998, 295, 531-534.	2.6	10
26	Arrhenius parameters for H+(CH <sub>3</sub> ) <sub>3</sub> GeH and (CH <sub>3</sub> ) <sub>2</sub> GeH <sub>2</sub> . <i>Journal of the Chemical Society, Faraday Transactions</i> , 1998, 94, 2741-2744.	1.7	5
27	Arrhenius parameters for H+(CH <sub>3</sub> ) <sub>4</sub> <sup>n</sup> SiH <sub>n</sub> , n=1-3. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1998, 94, 1077-1081.	1.7	8
28	Arrhenius parameters for the reaction of H atoms with SiH <sub>4</sub> . <i>Journal of the Chemical Society, Faraday Transactions</i> , 1997, 93, 4259-4264.	1.7	32
29	Kinetic isotope effect for the reaction of H atoms with GeH <sub>4</sub> and GeD <sub>4</sub> . <i>International Journal of Chemical Kinetics</i> , 1997, 29, 237-243.	1.6	13