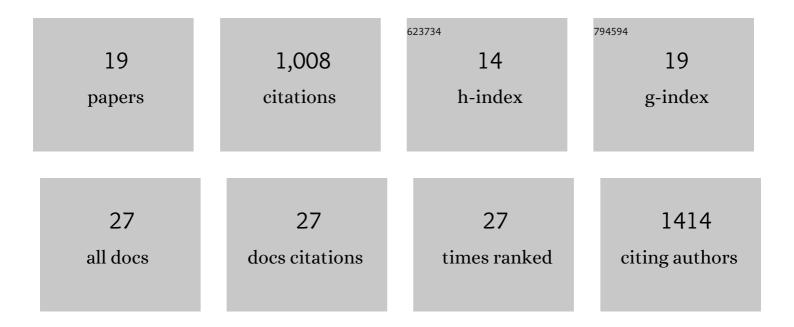
Catherine K Xu

List of Publications by Year in descending order

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CATHEDINE K XII

#	Article	IF	CITATIONS
1	Kinetic fingerprints differentiate the mechanisms of action of anti-AÎ ² antibodies. Nature Structural and Molecular Biology, 2020, 27, 1125-1133.	8.2	123
2	The release of toxic oligomers from α-synuclein fibrils induces dysfunction in neuronal cells. Nature Communications, 2021, 12, 1814.	12.8	123
3	Trodusquemine enhances Al²42 aggregation but suppresses its toxicity by displacing oligomers from cell membranes. Nature Communications, 2019, 10, 225.	12.8	111
4	Structure and function of the mycobacterial transcription initiation complex with the essential regulator RbpA. ELife, 2017, 6, .	6.0	106
5	siRNA screen identifies QPCT as a druggable target for Huntington's disease. Nature Chemical Biology, 2015, 11, 347-354.	8.0	87
6	In vivo rate-determining steps of tau seed accumulation in Alzheimer's disease. Science Advances, 2021, 7, eabh1448.	10.3	70
7	Interactions of α-synuclein oligomers with lipid membranes. Biochimica Et Biophysica Acta - Biomembranes, 2021, 1863, 183536.	2.6	49
8	Trodusquemine displaces protein misfolded oligomers from cell membranes and abrogates their cytotoxicity through a generic mechanism. Communications Biology, 2020, 3, 435.	4.4	44
9	ThX – a next-generation probe for the early detection of amyloid aggregates. Chemical Science, 2020, 11, 4578-4583.	7.4	43
10	Label-Free Analysis of Protein Aggregation and Phase Behavior. ACS Nano, 2019, 13, 13940-13948.	14.6	42
11	Squalamine and Its Derivatives Modulate the Aggregation of Amyloid-β and α-Synuclein and Suppress the Toxicity of Their Oligomers. Frontiers in Neuroscience, 2021, 15, 680026.	2.8	34
12	A dopamine metabolite stabilizes neurotoxic amyloid-β oligomers. Communications Biology, 2021, 4, 19.	4.4	25
13	Rapid Structural, Kinetic, and Immunochemical Analysis of Alpha-Synuclein Oligomers in Solution. Nano Letters, 2020, 20, 8163-8169.	9.1	24
14	Microfluidic characterisation reveals broad range of SARS-CoV-2 antibody affinity in human plasma. Life Science Alliance, 2022, 5, e202101270.	2.8	24
15	Templating S100A9 amyloids on AÎ ² fibrillar surfaces revealed by charge detection mass spectrometry, microscopy, kinetic and microfluidic analyses. Chemical Science, 2020, 11, 7031-7039.	7.4	20
16	Comparative Studies in the A30P and A53T α-Synuclein C. elegans Strains to Investigate the Molecular Origins of Parkinson's Disease. Frontiers in Cell and Developmental Biology, 2021, 9, 552549.	3.7	12
17	Microfluidic Antibody Affinity Profiling Reveals the Role of Memory Reactivation and Cross-Reactivity in the Defense Against SARS-CoV-2. ACS Infectious Diseases, 2022, 8, 790-799.	3.8	8
18	Exogenous misfolded protein oligomers can cross the intestinal barrier and cause a disease phenotype in C. elegans. Scientific Reports, 2021, 11, 14391.	3.3	6

#	Article	IF	CITATIONS
19	Nanofluidic Traps by Two-Photon Fabrication for Extended Detection of Single Macromolecules and Colloids in Solution. ACS Applied Nano Materials, 2022, 5, 1995-2005.	5.0	3