

Catherine K Xu

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,008
citations

623734

14
h-index

794594

19
g-index

27
all docs

27
docs citations

27
times ranked

1414
citing authors

#	ARTICLE	IF	CITATIONS
1	Microfluidic characterisation reveals broad range of SARS-CoV-2 antibody affinity in human plasma. <i>Life Science Alliance</i> , 2022, 5, e202101270.	2.8	24
2	Nanofluidic Traps by Two-Photon Fabrication for Extended Detection of Single Macromolecules and Colloids in Solution. <i>ACS Applied Nano Materials</i> , 2022, 5, 1995-2005.	5.0	3
3	Microfluidic Antibody Affinity Profiling Reveals the Role of Memory Reactivation and Cross-Reactivity in the Defense Against SARS-CoV-2. <i>ACS Infectious Diseases</i> , 2022, 8, 790-799.	3.8	8
4	The release of toxic oligomers from $\hat{I}\pm$ -synuclein fibrils induces dysfunction in neuronal cells. <i>Nature Communications</i> , 2021, 12, 1814.	12.8	123
5	Comparative Studies in the A30P and A53T $\hat{I}\pm$ -Synuclein <i>C. elegans</i> Strains to Investigate the Molecular Origins of Parkinson's Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 552549.	3.7	12
6	Interactions of $\hat{I}\pm$ -synuclein oligomers with lipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021, 1863, 183536.	2.6	49
7	Squalamine and Its Derivatives Modulate the Aggregation of Amyloid- \hat{I}^2 and $\hat{I}\pm$ -Synuclein and Suppress the Toxicity of Their Oligomers. <i>Frontiers in Neuroscience</i> , 2021, 15, 680026.	2.8	34
8	Exogenous misfolded protein oligomers can cross the intestinal barrier and cause a disease phenotype in <i>C. elegans</i> . <i>Scientific Reports</i> , 2021, 11, 14391.	3.3	6
9	A dopamine metabolite stabilizes neurotoxic amyloid- \hat{I}^2 oligomers. <i>Communications Biology</i> , 2021, 4, 19.	4.4	25
10	In vivo rate-determining steps of tau seed accumulation in Alzheimer's disease. <i>Science Advances</i> , 2021, 7, eabh1448.	10.3	70
11	Kinetic fingerprints differentiate the mechanisms of action of anti- \hat{A}^2 antibodies. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 1125-1133.	8.2	123
12	Rapid Structural, Kinetic, and Immunochemical Analysis of Alpha-Synuclein Oligomers in Solution. <i>Nano Letters</i> , 2020, 20, 8163-8169.	9.1	24
13	Trodusquemine displaces protein misfolded oligomers from cell membranes and abrogates their cytotoxicity through a generic mechanism. <i>Communications Biology</i> , 2020, 3, 435.	4.4	44
14	Templating S100A9 amyloids on \hat{A}^2 fibrillar surfaces revealed by charge detection mass spectrometry, microscopy, kinetic and microfluidic analyses. <i>Chemical Science</i> , 2020, 11, 7031-7039.	7.4	20
15	ThX "a next-generation probe for the early detection of amyloid aggregates. <i>Chemical Science</i> , 2020, 11, 4578-4583.	7.4	43
16	Label-Free Analysis of Protein Aggregation and Phase Behavior. <i>ACS Nano</i> , 2019, 13, 13940-13948.	14.6	42
17	Trodusquemine enhances \hat{A}^2 aggregation but suppresses its toxicity by displacing oligomers from cell membranes. <i>Nature Communications</i> , 2019, 10, 225.	12.8	111
18	Structure and function of the mycobacterial transcription initiation complex with the essential regulator RbpA. <i>ELife</i> , 2017, 6, .	6.0	106

#	ARTICLE	IF	CITATIONS
19	siRNA screen identifies QPCT as a druggable target for Huntington's disease. Nature Chemical Biology, 2015, 11, 347-354.	8.0	87