

Lin Jiang

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,961
citations

304368

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433756

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docs citations

39
times ranked

4477
citing authors

#	ARTICLE	IF	CITATIONS
1	The mouse nicotinamide mononucleotide adenylyltransferase chaperones diverse pathological amyloid client proteins. <i>Journal of Biological Chemistry</i> , 2022, 298, 101912.	1.6	1
2	Mechanistic basis for receptor-mediated pathological $\hat{1}\pm$ -synuclein fibril cell-to-cell transmission in Parkinson's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	59
3	The $\hat{1}\pm$ -synuclein hereditary mutation E46K unlocks a more stable, pathogenic fibril structure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 3592-3602.	3.3	122
4	Inhibition of synucleinopathic seeding by rationally designed inhibitors. <i>ELife</i> , 2020, 9, .	2.8	54
5	Nicotinamide mononucleotide adenylyltransferase uses its NAD ⁺ substrate-binding site to chaperone phosphorylated Tau. <i>ELife</i> , 2020, 9, .	2.8	18
6	Amyloid $\hat{1}^2$ -protein oligomers promote the uptake of tau fibril seeds potentiating intracellular tau aggregation. <i>Alzheimer's Research and Therapy</i> , 2019, 11, 86.	3.0	59
7	Structures of fibrils formed by $\hat{1}\pm$ -synuclein hereditary disease mutant H50Q reveal new polymorphs. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 1044-1052.	3.6	127
8	Ischemic axonal injury up-regulates MARK4 in cortical neurons and primes tau phosphorylation and aggregation. <i>Acta Neuropathologica Communications</i> , 2019, 7, 135.	2.4	21
9	Structural basis for reversible amyloids of hnRNPA1 elucidates their role in stress granule assembly. <i>Nature Communications</i> , 2019, 10, 2006.	5.8	157
10	Structure-Based Peptide Inhibitor Design of Amyloid- $\hat{1}^2$ Aggregation. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 54.	1.4	58
11	O ₄ â€1â€1: INHIBITING AMYLOIDâ€BETA CYTOTOXICITY THROUGH ITS INTERACTION WITH THE CELL SURFACEâ€RECEPTOR LILRB2 BY STRUCTUREâ€BASED DESIGN. <i>Alzheimer's and Dementia</i> , 2019, 15, P1229.	0.4	1
12	Different Amyloid- $\hat{1}^2$ Self-Assemblies Have Distinct Effects on Intracellular Tau Aggregation. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 268.	1.4	13
13	Common fibrillar spines of amyloid- $\hat{1}^2$ and human islet amyloid polypeptide revealed by microelectron diffraction and structure-based inhibitors. <i>Journal of Biological Chemistry</i> , 2018, 293, 2888-2902.	1.6	50
14	Inhibiting amyloid- $\hat{1}^2$ cytotoxicity through its interaction with the cell surface receptor LILRB2 by structure-based design. <i>Nature Chemistry</i> , 2018, 10, 1213-1221.	6.6	46
15	Cryo-EM of full-length $\hat{1}\pm$ -synuclein reveals fibril polymorphs with a common structural kernel. <i>Nature Communications</i> , 2018, 9, 3609.	5.8	468
16	Toward the Atomic Structure of PrP ^{Sc} . <i>Cold Spring Harbor Perspectives in Biology</i> , 2017, 9, a031336.	2.3	21
17	Asparagine and glutamine ladders promote cross-species prion conversion. <i>Journal of Biological Chemistry</i> , 2017, 292, 19076-19086.	1.6	23
18	Atomic structures of fibrillar segments of hIAPP suggest tightly mated $\hat{1}^2$ -sheets are important for cytotoxicity. <i>ELife</i> , 2017, 6, .	2.8	95

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19	Annotating Protein Functional Residues by Coupling High-Throughput Fitness Profile and Homologous-Structure Analysis. <i>MBio</i> , 2016, 7, .	1.8	11
20	Precise and Reversible Protein-Microtubule-Like Structure with Helicity Driven by Dual Supramolecular Interactions. <i>Journal of the American Chemical Society</i> , 2016, 138, 1932-1937.	6.6	85
21	A new structural model of Alzheimer's A β 42 fibrils based on electron paramagnetic resonance data and Rosetta modeling. <i>Journal of Structural Biology</i> , 2016, 194, 61-67.	1.3	50
22	A Designed Inhibitor of p53 Aggregation Rescues p53 Tumor Suppression in Ovarian Carcinomas. <i>Cancer Cell</i> , 2016, 29, 90-103.	7.7	273
23	Inhibiting amyloid β -protein assembly: Size-activity relationships among grape seed-derived polyphenols. <i>Journal of Neurochemistry</i> , 2015, 135, 416-430.	2.1	28
24	Uncovering the Mechanism of Aggregation of Human Transthyretin. <i>Journal of Biological Chemistry</i> , 2015, 290, 28932-28943.	1.6	117
25	NELL-1 in the treatment of osteoporotic bone loss. <i>Nature Communications</i> , 2015, 6, 7362.	5.8	93
26	Structure of the toxic core of β -synuclein from invisible crystals. <i>Nature</i> , 2015, 525, 486-490.	13.7	528
27	A Proposed Mechanism for the Promotion of Prion Conversion Involving a Strictly Conserved Tyrosine Residue in the β 2- β 2 Loop of PrPC. <i>Journal of Biological Chemistry</i> , 2014, 289, 10660-10667.	1.6	37
28	Antiparallel Triple-strand Architecture for Prefibrillar A β 42 Oligomers. <i>Journal of Biological Chemistry</i> , 2014, 289, 27300-27313.	1.6	60
29	Structure-based discovery of fiber-binding compounds that reduce the cytotoxicity of amyloid beta. <i>ELife</i> , 2013, 2, e00857.	2.8	94
30	Out-of-register β -sheets suggest a pathway to toxic amyloid aggregates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 20913-20918.	3.3	184