

Si Wu

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

750
citations

687363

13
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

1112
citing authors

#	ARTICLE	IF	CITATIONS
1	Distinct lipid membrane-mediated pathways of Tau assembly revealed by single-molecule analysis. <i>Nanoscale</i> , 2022, 14, 4604-4613.	5.6	12
2	Hsp70 in Redox Homeostasis. <i>Cells</i> , 2022, 11, 829.	4.1	36
3	PES inhibits human-inducible Hsp70 by covalent targeting of cysteine residues in the substrate-binding domain. <i>Journal of Biological Chemistry</i> , 2021, 296, 100210.	3.4	10
4	Single Molecule Characterization of Amyloid Oligomers. <i>Molecules</i> , 2021, 26, 948.	3.8	10
5	Studying protein folding in health and disease using biophysical approaches. <i>Emerging Topics in Life Sciences</i> , 2021, 5, 29-38.	2.6	4
6	Conformational Expansion of Tau in Condensates Promotes Irreversible Aggregation. <i>Journal of the American Chemical Society</i> , 2021, 143, 13056-13064.	13.7	78
7	Amelioration of aggregate cytotoxicity by catalytic conversion of protein oligomers into amyloid fibrils. <i>Nanoscale</i> , 2020, 12, 18663-18672.	5.6	13
8	Kinetic diversity of amyloid oligomers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12087-12094.	7.1	103
9	Distinct microscopic mechanisms for the accelerated aggregation of pathogenic Tau mutants revealed by kinetic analysis. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 7241-7249.	2.8	9
10	Kinetics of the conformational cycle of Hsp70 reveals the importance of the dynamic and heterogeneous nature of Hsp70 for its function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 7814-7823.	7.1	27
11	S-Glutathionylation of human inducible Hsp70 reveals a regulatory mechanism involving the C-terminal I \pm -helical lid. <i>Journal of Biological Chemistry</i> , 2020, 295, 8302-8324.	3.4	22
12	Protein Microgels from Amyloid Fibril Networks. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1174, 223-263.	1.6	10
13	Direct Observation of Oligomerization by Single Molecule Fluorescence Reveals a Multistep Aggregation Mechanism for the Yeast Prion Protein Ure2. <i>Journal of the American Chemical Society</i> , 2018, 140, 2493-2503.	13.7	44
14	The C-terminal GGAP motif of Hsp70 mediates substrate recognition and stress response in yeast. <i>Journal of Biological Chemistry</i> , 2018, 293, 17663-17675.	3.4	24
15	A co-expression strategy to achieve labeling of individual subunits within a dimeric protein for single molecule analysis. <i>Chemical Communications</i> , 2017, 53, 7986-7989.	4.1	4
16	Glutathionylation of the Bacterial Hsp70 Chaperone DnaK Provides a Link between Oxidative Stress and the Heat Shock Response. <i>Journal of Biological Chemistry</i> , 2016, 291, 6967-6981.	3.4	37
17	Enzymatically Active Microgels from Self-Assembling Protein Nanofibrils for Microflow Chemistry. <i>ACS Nano</i> , 2015, 9, 5772-5781.	14.6	43
18	Proteomic identification and quantification of S-glutathionylation in mouse macrophages using resin-assisted enrichment and isobaric labeling. <i>Free Radical Biology and Medicine</i> , 2014, 67, 460-470.	2.9	91

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19	Top-down proteomics reveals a unique protein S-thiolation switch in <i>Salmonella</i> Typhimurium in response to infection-like conditions. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10153-10158.	7.1	140
20	Influence of specific HSP70 domains on fibril formation of the yeast prion protein Ure2. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20110410.	4.0	33