

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

#	ARTICLE	IF	CITATIONS
19	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
20	Studying protein folding in health and disease using biophysical approaches. <i>Emerging Topics in Life Sciences</i> , 2021, 5, 29-38.	2.6	4