

Xiaoting Yang

List of Publications by Year in descending order

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11
papers

1,592
citations

933447

10
h-index

1281871

11
g-index

11
all docs

11
docs citations

11
times ranked

2047
citing authors

#	ARTICLE	IF	CITATIONS
1	Differences in nucleation behavior underlie the contrasting aggregation kinetics of the A β ⁴⁰ and A β ⁴² peptides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 9384-9389.	7.1	405
2	A molecular chaperone breaks the catalytic cycle that generates toxic A β ² oligomers. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 207-213.	8.2	373
3	Secondary nucleation in amyloid formation. <i>Chemical Communications</i> , 2018, 54, 8667-8684.	4.1	323
4	The A β ⁴⁰ and A β ⁴² peptides self-assemble into separate homomolecular fibrils in binary mixtures but cross-react during primary nucleation. <i>Chemical Science</i> , 2015, 6, 4215-4233.	7.4	121
5	On the role of sidechain size and charge in the aggregation of A β ⁴² with familial mutations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5849-E5858.	7.1	98
6	Quantitative analysis of intrinsic and extrinsic factors in the aggregation mechanism of Alzheimer-associated A β ² -peptide. <i>Scientific Reports</i> , 2016, 6, 18728.	3.3	77
7	Modulation of electrostatic interactions to reveal a reaction network unifying the aggregation behaviour of the A β ⁴² peptide and its variants. <i>Chemical Science</i> , 2017, 8, 4352-4362.	7.4	60
8	Conserved S/T Residues of the Human Chaperone DNAJB6 Are Required for Effective Inhibition of A β ⁴² Amyloid Fibril Formation. <i>Biochemistry</i> , 2018, 57, 4891-4902.	2.5	52
9	On-chip label-free protein analysis with downstream electrodes for direct removal of electrolysis products. <i>Lab on A Chip</i> , 2018, 18, 162-170.	6.0	39
10	Direct measurement of lipid membrane disruption connects kinetics and toxicity of A β ⁴² aggregation. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 886-891.	8.2	38
11	Identification of a Thyroid Hormone Derivative as a Pleiotropic Agent for the Treatment of Alzheimer's Disease. <i>Pharmaceuticals</i> , 2021, 14, 1330.	3.8	6