

Yuliang Zhang

List of Publications by Year in descending order

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27
papers

938
citations

430874

18
h-index

580821

25
g-index

29
all docs

29
docs citations

29
times ranked

1632
citing authors

#	ARTICLE	IF	CITATIONS
1	Membrane fusion and drug delivery with carbon nanotube porins. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	25
2	Carbon nanotube porin diffusion in mixed composition supported lipid bilayers. Scientific Reports, 2020, 10, 11908.	3.3	10
3	Spontaneous self-assembly of amyloid I ² (1 ⁴⁰) into dimers. Nanoscale Advances, 2019, 1, 3892-3899.	4.6	11
4	High-speed atomic force microscopy reveals structural dynamics of I [±] -synuclein monomers and dimers. Journal of Chemical Physics, 2018, 148, 123322.	3.0	57
5	Impact of PEG additives and pore rim functionalization on water transport through sub-1 ^Å nm carbon nanotube porins. Faraday Discussions, 2018, 209, 359-369.	3.2	5
6	Response to Comment on "Enhanced water permeability and tunable ion selectivity in subnanometer carbon nanotube porins". Science, 2018, 359, .	12.6	18
7	Membranes: Carbon Nanotube Porins in Amphiphilic Block Copolymers as Fully Synthetic Mimics of Biological Membranes (Adv. Mater. 51/2018). Advanced Materials, 2018, 30, 1870392.	21.0	0
8	Carbon Nanotube Porins in Amphiphilic Block Copolymers as Fully Synthetic Mimics of Biological Membranes. Advanced Materials, 2018, 30, e1803355.	21.0	29
9	Tuning crystallization pathways through sequence engineering of biomimetic polymers. Nature Materials, 2017, 16, 767-774.	27.5	116
10	Real-time dynamics of carbon nanotube porins in supported lipid membranes visualized by high-speed atomic force microscopy. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160226.	4.0	19
11	Effect of acidic pH on the stability of I [±] -synuclein dimers. Biopolymers, 2016, 105, 715-724.	2.4	28
12	Polymorphism of amyloid fibrils formed by a peptide from the yeast prion protein Sup35: AFM and Tip-Enhanced Raman Scattering studies. Ultramicroscopy, 2016, 165, 26-33.	1.9	30
13	Self-assembly of the full-length amyloid A ²⁴² protein in dimers. Nanoscale, 2016, 8, 18928-18937.	5.6	47
14	Nonnative SOD1 trimer is toxic to motor neurons in a model of amyotrophic lateral sclerosis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 614-619.	7.1	97
15	Single Molecule Fluorescence Assay of Alpha Synuclein Dimerization. Biophysical Journal, 2015, 108, 63a.	0.5	0
16	A Flexible Nanoarray Approach for the Assembly and Probing of Molecular Complexes. Biophysical Journal, 2015, 108, 2333-2339.	0.5	20
17	Role of monomer arrangement in the amyloid self-assembly. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 218-228.	2.3	19
18	Direct Detection of I [±] -Synuclein Dimerization Dynamics: Single-Molecule Fluorescence Analysis. Biophysical Journal, 2015, 108, 2038-2047.	0.5	50

#	ARTICLE	IF	CITATIONS
19	The Structure of Misfolded Amyloidogenic Dimers: Computational Analysis of Force Spectroscopy Data. <i>Biophysical Journal</i> , 2014, 107, 2903-2910.	0.5	31
20	Computational Analysis of the Single Molecule AFM Force Spectroscopy Data. <i>Biophysical Journal</i> , 2014, 106, 391a-392a.	0.5	0
21	Molecular Mechanism of Misfolding and Aggregation of $\text{A}\beta(1-42)$. <i>Journal of Physical Chemistry B</i> , 2013, 117, 6175-6186.	2.6	46
22	γ -Alumina with hierarchically ordered mesopore/macropore from dual templates. <i>Microporous and Mesoporous Materials</i> , 2010, 131, 289-293.	4.4	60
23	Intercellular Transportation of Quantum Dots Mediated by Membrane Nanotubes. <i>ACS Nano</i> , 2010, 4, 3015-3022.	14.6	62
24	Chiral Induction, Memory, and Amplification in Porphyrin Homoaggregates Based on Electrostatic Interactions. <i>ChemPhysChem</i> , 2009, 10, 954-962.	2.1	40
25	Synthesis of hybrid nanostructures composed of copper ions and poly(p-phenylenediamine) in aqueous solutions. <i>Journal of Nanoparticle Research</i> , 2008, 10, 1271-1278.	1.9	16
26	Synthesis of the hybrid porous rods and nanosheets composed of the nickel ions and poly(p-phenylenediamine) in aqueous solution. <i>Materials Science and Engineering C</i> , 2008, 28, 1284-1288.	7.3	9
27	Transmembrane Delivery of the Cell-Penetrating Peptide Conjugated Semiconductor Quantum Dots. <i>Langmuir</i> , 2008, 24, 11866-11871.	3.5	92