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	Tuning crystallization pathways through sequence engineering of biomimetic polymers. Nature Materials, 2017, 16, 767-774.	27.5	116
2	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
3	Transmembrane Delivery of the Cell-Penetrating Peptide Conjugated Semiconductor Quantum Dots. Langmuir, 2008, 24, 11866-11871.	3.5	92
4	Intercellular Transportation of Quantum Dots Mediated by Membrane Nanotubes. ACS Nano, 2010, 4, 3015-3022.	14.6	62
5	Î³-Alumina with hierarchically ordered mesopore/macropore from dual templates. Microporous and Mesoporous Materials, 2010, 131, 289-293.	4.4	60
6	High-speed atomic force microscopy reveals structural dynamics of Î±-synuclein monomers and dimers. Journal of Chemical Physics, 2018, 148, 123322.	3.0	57
7	Direct Detection of Î±-Synuclein Dimerization Dynamics: Single-Molecule Fluorescence Analysis. Biophysical Journal, 2015, 108, 2038-2047.	0.5	50
8	Self-assembly of the full-length amyloid AÎ²42 protein in dimers. Nanoscale, 2016, 8, 18928-18937.	5.6	47
9	Molecular Mechanism of Misfolding and Aggregation of AÎ²(13â€“23). Journal of Physical Chemistry B, 2013, 117, 6175-6186.	2.6	46
10	Chiral Induction, Memory, and Amplification in Porphyrin Homoaggregates Based on Electrostatic Interactions. ChemPhysChem, 2009, 10, 954-962.	2.1	40
11	The Structure of Misfolded Amyloidogenic Dimers: Computational Analysis of Force Spectroscopy Data. Biophysical Journal, 2014, 107, 2903-2910.	0.5	31
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	Carbon Nanotube Porins in Amphiphilic Block Copolymers as Fully Synthetic Mimics of Biological Membranes. Advanced Materials, 2018, 30, e1803355.	21.0	29
14	Effect of acidic pH on the stability of Î±â€synuclein dimers. Biopolymers, 2016, 105, 715-724.	2.4	28
15	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
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	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

#	Article	IF	Citations
19	Response to Comment on â€œEnhanced water permeability and tunable ion selectivity in subnanometer carbon nanotube porinsâ€• Science, 2018, 359, .	12.6	18
20	Synthesis of hybrid nanostructures composed of copper ions and poly(p-phenylenediamine) in aqueous solutions. Journal of Nanoparticle Research, 2008, 10, 1271-1278.	1.9	16
21	Spontaneous self-assembly of amyloid Î² (1â€“40) into dimers. Nanoscale Advances, 2019, 1, 3892-3899.	4.6	11
22	Carbon nanotube porin diffusion in mixed composition supported lipid bilayers. Scientific Reports, 2020, 10, 11908.	3.3	10
23	Synthesis of the hybrid porous rods and nanosheets composed of the nickel ions and poly(p-phenylenediamine) in aqueous solution. Materials Science and Engineering C, 2008, 28, 1284-1288.	7.3	9
24	Impact of PEG additives and pore rim functionalization on water transport through sub-1Ânm carbon nanotube porins. Faraday Discussions, 2018, 209, 359-369.	3.2	5
25	Computational Analysis of the Single Molecule AFM Force Spectroscopy Data. Biophysical Journal, 2014, 106, 391a-392a.	0.5	0
26	Single Molecule Fluorescence Assay of Alpha Synuclein Dimerization. Biophysical Journal, 2015, 108, 63a.	0.5	0
27	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