

Xiang Wang

List of Publications by Year in descending order

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19
papers

1,185
citations

567281

15
h-index

888059

17
g-index

19
all docs

19
docs citations

19
times ranked

1856
citing authors

#	ARTICLE	IF	CITATIONS
1	Solution-Phase Single Quantum Dot Fluorescence Resonance Energy Transfer. <i>Journal of the American Chemical Society</i> , 2006, 128, 15324-15331.	13.7	272
2	QDs-DNA nanosensor for the detection of hepatitis B virus DNA and the single-base mutants. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1934-1940.	10.1	133
3	Magnetic Iron Oxide Nanoparticles for Biorecognition: Evaluation of Surface Coverage and Activity. <i>Journal of Physical Chemistry B</i> , 2006, 110, 1553-1558.	2.6	121
4	A photoprotection strategy for microsecond-resolution single-molecule fluorescence spectroscopy. <i>Nature Methods</i> , 2011, 8, 143-146.	19.0	110
5	Chitosan-Mediated and Spatially Selective Electrodeposition of Nanoscale Particles. <i>Langmuir</i> , 2005, 21, 3641-3646.	3.5	90
6	Fenofibrate-Loaded Biodegradable Nanoparticles for the Treatment of Experimental Diabetic Retinopathy and Neovascular Age-Related Macular Degeneration. <i>Molecular Pharmaceutics</i> , 2019, 16, 1958-1970.	4.6	72
7	Surfactant Vesicles for High-Efficiency Capture and Separation of Charged Organic Solutes. <i>Langmuir</i> , 2007, 23, 8965-8971.	3.5	53
8	Cationic surfactant vesicles for electrostatic molecular sequestration and separation. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 9315.	2.8	53
9	Exploring one-state downhill protein folding in single molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 179-184.	7.1	53
10	Highly Efficient Capture and Long-Term Encapsulation of Dye by Cationic Surfactant Vesicles. <i>Langmuir</i> , 2006, 22, 6461-6464.	3.5	48
11	Therapeutic Effects of PPAR α Agonist on Ocular Neovascularization in Models Recapitulating Neovascular Age-Related Macular Degeneration. , 2017, 58, 5065.		44
12	Total internal reflection with fluorescence correlation spectroscopy: Applications to substrate-supported planar membranes. <i>Journal of Structural Biology</i> , 2009, 168, 95-106.	2.8	28
13	Gradual Disordering of the Native State on a Slow Two-State Folding Protein Monitored by Single-Molecule Fluorescence Spectroscopy and NMR. <i>Journal of Physical Chemistry B</i> , 2013, 117, 13120-13131.	2.6	22
14	The Formation and Stability of β Microdomains Require its Extracellular Moiety. <i>Traffic</i> , 2012, 13, 715-726.	2.7	21
15	Single-Molecule Colocalization Studies Shed Light on the Idea of Fully Emitting versus Dark Single Quantum Dots. <i>Small</i> , 2011, 7, 2101-2108.	10.0	18
16	Reversible Vesicle Restraint in Response to Spatiotemporally Controlled Electrical Signals: A Bridge between Electrical and Chemical Signaling Modes. <i>Langmuir</i> , 2007, 23, 286-291.	3.5	17
17	Low Copy Numbers of β in Cell Membrane Microdomains: Implications for Structure and Function. <i>Traffic</i> , 2014, 15, 179-196.	2.7	17
18	Measuring Surface Binding Thermodynamics and Kinetics by Using Total Internal Reflection with Fluorescence Correlation Spectroscopy: Practical Considerations. <i>Journal of Physical Chemistry B</i> , 2011, 115, 120-131.	2.6	13

#	ARTICLE	IF	CITATIONS
19	Total Internal Reflection with Fluorescence Correlation Spectroscopy. Reviews in Fluorescence, 2011, , 345-380.	0.5	0