

Bo Shuang

List of Publications by Year in descending order

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17
papers

1,220
citations

471509

17
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

1842
citing authors

#	ARTICLE	IF	CITATIONS
1	Single Particle Tracking: From Theory to Biophysical Applications. <i>Chemical Reviews</i> , 2017, 117, 7331-7376.	47.7	392
2	Adsorption and Unfolding of a Single Protein Triggers Nanoparticle Aggregation. <i>ACS Nano</i> , 2016, 10, 2103-2112.	14.6	177
3	Characterization of Porous Materials by Fluorescence Correlation Spectroscopy Super-resolution Optical Fluctuation Imaging. <i>ACS Nano</i> , 2015, 9, 9158-9166.	14.6	80
4	Fast Step Transition and State Identification (STaSI) for Discrete Single-Molecule Data Analysis. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3157-3161.	4.6	79
5	Unified superresolution experiments and stochastic theory provide mechanistic insight into protein ion-exchange adsorptive separations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2075-2080.	7.1	68
6	Tuning the acoustic frequency of a gold nanodisk through its adhesion layer. <i>Nature Communications</i> , 2015, 6, 7022.	12.8	65
7	Troika of single particle tracking programing: SNR enhancement, particle identification, and mapping. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 624-634.	2.8	54
8	Super-Resolution mbPAINT for Optical Localization of Single-Stranded DNA. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 9338-9343.	8.0	44
9	Excitonic Energy Migration in Conjugated Polymers: The Critical Role of Interchain Morphology. <i>Journal of the American Chemical Society</i> , 2014, 136, 16023-16031.	13.7	41
10	High ionic strength narrows the population of sites participating in protein ion-exchange adsorption: A single-molecule study. <i>Journal of Chromatography A</i> , 2014, 1343, 135-142.	3.7	38
11	Super Temporal-Resolved Microscopy (STReM). <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 4524-4529.	4.6	33
12	Generalized recovery algorithm for 3D super-resolution microscopy using rotating point spread functions. <i>Scientific Reports</i> , 2016, 6, 30826.	3.3	29
13	Improved Analysis for Determining Diffusion Coefficients from Short, Single-Molecule Trajectories with Photoblinking. <i>Langmuir</i> , 2013, 29, 228-234.	3.5	26
14	Charge-Dependent Transport Switching of Single Molecular Ions in a Weak Polyelectrolyte Multilayer. <i>Langmuir</i> , 2014, 30, 8391-8399.	3.5	26
15	Single-Molecule Kinetics of Protein Adsorption on Thin Nylon-6,6 Films. <i>Analytical Chemistry</i> , 2016, 88, 9926-9933.	6.5	25
16	Conformational Transitions in the Glycine-Bound GluN1 NMDA Receptor LBD via Single-Molecule FRET. <i>Biophysical Journal</i> , 2015, 109, 66-75.	0.5	22
17	Optimization of Spectral and Spatial Conditions to Improve Super-Resolution Imaging of Plasmonic Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 299-306.	4.6	21