

Yufan He

List of Publications by Year in descending order

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30
papers

971
citations

471509

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501196

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31
times ranked

1440
citing authors

#	ARTICLE	IF	CITATIONS
1	Probing Functional Conformation-State Fluctuation Dynamics in Recognition Binding between Calmodulin and Target Peptide. <i>Journal of Chemical Physics</i> , 2022, 156, 055102.	3.0	1
2	Conformational States and Fluctuations in Endothelial Nitric Oxide Synthase under Calmodulin Regulation. <i>Biophysical Journal</i> , 2021, 120, 5196-5206.	0.5	1
3	Revealing Abrupt and Spontaneous Ruptures of Protein Native Structure under picoNewton Compressive Force Manipulation. <i>ACS Nano</i> , 2018, 12, 2448-2454.	14.6	9
4	Tracking the Energy Flow on Nanoscale <i>via</i> Sample-Transmitted Excitation Photoluminescence Spectroscopy. <i>ACS Nano</i> , 2017, 11, 4191-4197.	14.6	15
5	Simultaneous Spectroscopic and Topographic Imaging of Single-Molecule Interfacial Electron-Transfer Reactivity and Local Nanoscale Environment. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 2221-2227.	4.6	9
6	Colloidal PbS Nanosheets with Tunable Energy Gaps. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1726, 13.	0.1	0
7	Interrogating the activities of conformational deformed enzyme by single-molecule fluorescence-magnetic tweezers microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13904-13909.	7.1	34
8	Single-molecule spectroscopy reveals how calmodulin activates NO synthase by controlling its conformational fluctuation dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11835-11840.	7.1	42
9	Growth of colloidal PbS nanosheets and the enhancement of their photoluminescence. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 23303-23307.	2.8	20
10	Single-Molecule Interfacial Electron Transfer Dynamics of Porphyrin on TiO ₂ Nanoparticles: Dissecting the Complex Electronic Coupling Dependent Dynamics. <i>Journal of Physical Chemistry C</i> , 2014, 118, 20209-20221.	3.1	32
11	Thickness-Controlled Synthesis of Colloidal PbS Nanosheets and Their Thickness-Dependent Energy Gaps. <i>Chemistry of Materials</i> , 2014, 26, 5433-5436.	6.7	73
12	Manipulating and probing enzymatic conformational fluctuations and enzyme-substrate interactions by single-molecule FRET-magnetic tweezers microscopy. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 13052-13058.	2.8	22
13	Single-molecule photon stamping FRET spectroscopy study of enzymatic conformational dynamics. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 770-775.	2.8	24
14	Combined topographic, spectroscopic, and model analyses of inhomogeneous energetic coupling of linear light harvesting complex II aggregates in native photosynthetic membranes. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 5636.	2.8	3
15	Manipulating Protein Conformations by Single-Molecule AFM-FRET Nanoscopy. <i>ACS Nano</i> , 2012, 6, 1221-1229.	14.6	68
16	Probing Single-Molecule Enzyme Active-Site Conformational State Intermittent Coherence. <i>Journal of the American Chemical Society</i> , 2011, 133, 14389-14395.	13.7	45
17	Probing Ground-State Single-Electron Self-Exchange across a Molecule-Metal Interface. <i>Journal of the American Chemical Society</i> , 2011, 133, 6989-6996.	13.7	23
18	Metastable Phase of the Au(111) Surface in Electrolyte Revealed by STM and Asymmetric Potential Pulse Perturbation. <i>Journal of Physical Chemistry C</i> , 2011, 115, 5726-5731.	3.1	10

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19	Revealing Linear Aggregates of Light Harvesting Antenna Proteins in Photosynthetic Membranes. <i>Langmuir</i> , 2010, 26, 307-313.	3.5	5
20	Charge Transfer through Single-Stranded Peptide Nucleic Acid Composed of Thymine Nucleotides. <i>Journal of Physical Chemistry C</i> , 2008, 112, 7233-7240.	3.1	50
21	Dynamics of Porphyrin Electron Transfer Reactions at the Electrode-Electrolyte Interface at the Molecular Level. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6098-6101.	13.8	43
22	Adsorption and Electrochemical Activity: An In Situ Electrochemical Scanning Tunneling Microscopy Study of Electrode Reactions and Potential-Induced Adsorption of Porphyrins. <i>Journal of Physical Chemistry B</i> , 2006, 110, 6141-6147.	2.6	43
23	Direct Wiring of Cytochrome c's Heme Unit to an Electrode: Electrochemical Studies. <i>Journal of the American Chemical Society</i> , 2002, 124, 9591-9599.	13.7	144
24	Porphyrin Self-Assembly at Electrochemical Interfaces: Role of Potential Modulated Surface Mobility. <i>Journal of the American Chemical Society</i> , 2002, 124, 11964-11970.	13.7	115
25	Effect of local environment on nanoscale dynamics at electrochemical interfaces: Anisotropic growth and dissolution in the presence of a step providing evidence for a Schwoebel-Ehrlich barrier at solid/liquid interfaces. <i>Faraday Discussions</i> , 2002, 121, 17-25.	3.2	17
26	The Influence of Headgroup on the Structure of Self-Assembled Monolayers As Viewed by Scanning Tunneling Microscopy. <i>Langmuir</i> , 2001, 17, 5324-5328.	3.5	34
27	Chemically Well-Defined Lithography Using Self-Assembled Monolayers and Scanning Tunneling Microscopy in Nonpolar Organothiol Solutions. <i>Langmuir</i> , 2000, 16, 6312-6316.	3.5	78
28	Potential-Dependent Adsorption/Desorption of Organic Adsorbate at HOPG Electrode and Accompanying Delamination of Graphite Surface. <i>Journal of the Electrochemical Society</i> , 1999, 146, 250-255.	2.9	4
29	Synthesis and Optical Spectroscopy of Colloidal PbS Nanosheets. , 0, , .		0
30	Synthesis and Optical Spectroscopy of Colloidal PbS Nanosheets. , 0, , .		0