

Rui Hu

List of Publications by Year in descending order

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papers

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840776

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801
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanopore-Based Measurements of Protein Size, Fluctuations, and Conformational Changes. ACS Nano, 2017, 11, 5706-5716.	14.6	219
2	Differential Enzyme Flexibility Probed Using Solid-State Nanopores. ACS Nano, 2018, 12, 4494-4502.	14.6	83
3	Photothermally Assisted Thinning of Silicon Nitride Membranes for Ultrathin Asymmetric Nanopores. ACS Nano, 2018, 12, 12472-12481.	14.6	63
4	Intrinsic and membrane-facilitated α -synuclein oligomerization revealed by label-free detection through solid-state nanopores. Scientific Reports, 2016, 6, 20776.	3.3	62
5	N-Terminal Acetylation Preserves α -Synuclein from Oligomerization by Blocking Intermolecular Hydrogen Bonds. ACS Chemical Neuroscience, 2017, 8, 2145-2151.	3.5	52
6	Four Aspects about Solid-State Nanopores for Protein Sensing: Fabrication, Sensitivity, Selectivity, and Durability. Advanced Healthcare Materials, 2020, 9, e2000933.	7.6	36
7	Agonist antibody activates death receptor 6 downstream signaling involving TRADD recruitment. FEBS Letters, 2014, 588, 401-407.	2.8	22
8	Non-sticky translocation of bio-molecules through Tween 20-coated solid-state nanopores in a wide pH range. Applied Physics Letters, 2016, 109, .	3.3	19
9	Electro-Optical Detection of Single Molecules Based on Solid-State Nanopores. Small Structures, 2020, 1, 2000003.	12.0	18
10	Tiny protein detection using pressure through solid-state nanopores. Electrophoresis, 2017, 38, 1130-1138.	2.4	16
11	Probing the Effect of Ubiquitinated Histone on Mononucleosomes by Translocation Dynamics Study through Solid-State Nanopores. Nano Letters, 2022, 22, 888-895.	9.1	12
12	Oligonucleotide Discrimination Enabled by Tannic Acid-Coordinated Film-Coated Solid-State Nanopores. Langmuir, 2022, 38, 6443-6453.	3.5	9
13	Probing surface hydrophobicity of individual protein at single-molecule resolution using solid-state nanopores. Science China Materials, 2015, 58, 455-466.	6.3	5
14	Death receptor 6 is a novel plasmacytoid dendritic cell-specific receptor and modulates type I interferon production. Protein and Cell, 2016, 7, 291-294.	11.0	4
15	Label-Free Detection and Translocation Dynamics Study of Single-Molecule Herceptin Using Solid-State Nanopores. Advanced Materials Technologies, 2022, 7, .	5.8	1