

# Rui Hu

## List of Publications by Year in descending order

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