

Yuqin Wang

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

680
citations

516710

16
h-index

580821

25
g-index

31
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31
docs citations

31
times ranked

331
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine Learning Assisted Simultaneous Structural Profiling of Differently Charged Proteins in a <i>Mycobacterium smegmatis</i> Porin A (MspA) Electroosmotic Trap. <i>Journal of the American Chemical Society</i> , 2022, 144, 757-768.	13.7	30
2	Non-binary Encoded Nucleic Acid Barcodes Directly Readable by a Nanopore. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	1
3	Non-binary Encoded Nucleic Acid Barcodes Directly Readable by a Nanopore. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	6
4	Identification of Single-Molecule Catecholamine Enantiomers Using a Programmable Nanopore. <i>ACS Nano</i> , 2022, 16, 6615-6624.	14.6	24
5	S2Snet: deep learning for low molecular weight RNA identification with nanopore. <i>Briefings in Bioinformatics</i> , 2022, 23, .	6.5	3
6	A Nanopore Based Molnupiravir Sensor. <i>ACS Sensors</i> , 2022, 7, 1564-1571.	7.8	7
7	Single-Molecule Sensing of Acidic Catecholamine Metabolites Using a Programmable Nanopore. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	1
8	Discrimination between Different DNA Lesions by Monitoring Single-Molecule Polymerase Stalling Kinetics during Nanopore Sequencing. <i>Nano Letters</i> , 2022, 22, 5561-5569.	9.1	4
9	A Nanopore-Based Saccharide Sensor. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	4
10	A Nanopore-Based Saccharide Sensor. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	36
11	Identification of nucleoside monophosphates and their epigenetic modifications using an engineered nanopore. <i>Nature Nanotechnology</i> , 2022, 17, 976-983.	31.5	48
12	Rapid and multiplex preparation of engineered <i>Mycobacterium smegmatis</i> porin A (MspA) nanopores for single molecule sensing and sequencing. <i>Chemical Science</i> , 2021, 12, 9339-9346.	7.4	7
13	Mapping Potential Engineering Sites of <i>Mycobacterium smegmatis</i> porin A (MspA) to Form a Nanoreactor. <i>ACS Sensors</i> , 2021, 6, 2449-2456.	7.8	10
14	Structural-profiling of low molecular weight RNAs by nanopore trapping/translocation using <i>Mycobacterium smegmatis</i> porin A. <i>Nature Communications</i> , 2021, 12, 3368.	12.8	42
15	Single Molecule Ratcheting Motion of Peptides in a <i>Mycobacterium smegmatis</i> Porin A (MspA) Nanopore. <i>Nano Letters</i> , 2021, 21, 6703-6710.	9.1	95
16	Nanopore Sequencing Accurately Identifies the Cisplatin Adduct on DNA. <i>ACS Sensors</i> , 2021, 6, 3082-3092.	7.8	14
17	Allosteric Switching of Calmodulin in a <i>Mycobacterium smegmatis</i> porin A (MspA) Nanopore Trap. <i>Angewandte Chemie</i> , 2021, 133, 24056.	2.0	5
18	Allosteric Switching of Calmodulin in a <i>Mycobacterium smegmatis</i> porin A (MspA) Nanopore Trap. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23863-23870.	13.8	25

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19	A Single-Molecule Observation of Dichloroaurate(I) Binding to an Engineered <i>Mycobacterium smegmatis</i> porin A (MspA) Nanopore. <i>Analytical Chemistry</i> , 2021, 93, 1529-1536.	6.5	6
20	Programmable nano-reactors for stochastic sensing. <i>Nature Communications</i> , 2021, 12, 5811.	12.8	29
21	Microscopic Screening of Cyclodextrin Channel Blockers by DiffusiOptoPhysiology. <i>Analytical Chemistry</i> , 2021, 93, 14161-14168.	6.5	4
22	Single molecule observation of hard-soft-acid-base (HSAB) interaction in engineered <i>Mycobacterium smegmatis</i> porin A (MspA) nanopores. <i>Chemical Science</i> , 2020, 11, 879-887.	7.4	47
23	Retarded Translocation of Nucleic Acids through β -Hemolysin Nanopore in the Presence of a Calcium Flux. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 26926-26935.	8.0	19
24	Direct microRNA Sequencing Using Nanopore-Induced Phase-Shift Sequencing. <i>IScience</i> , 2020, 23, 100916.	4.1	26
25	Electrode-free nanopore sensing by DiffusiOptoPhysiology. <i>Science Advances</i> , 2019, 5, eaar3309.	10.3	31
26	Direct sequencing of 2-deoxy-2-fluoroarabinonucleic acid (FANA) using nanopore-induced phase-shift sequencing (NIPSS). <i>Chemical Science</i> , 2019, 10, 3110-3117.	7.4	35
27	Nanopore Sequencing Accurately Identifies the Mutagenic DNA Lesion O ⁶ -Carboxymethyl Guanine and Reveals Its Behavior in Replication. <i>Angewandte Chemie</i> , 2019, 131, 8520-8524.	2.0	4
28	Nanopore Sequencing Accurately Identifies the Mutagenic DNA Lesion O ⁶ -Carboxymethyl Guanine and Reveals Its Behavior in Replication. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8432-8436.	13.8	30
29	Giant single molecule chemistry events observed from a tetrachloroaurate(III) embedded <i>Mycobacterium smegmatis</i> porin A nanopore. <i>Nature Communications</i> , 2019, 10, 5668.	12.8	60
30	Osmosis-Driven Motion-Type Modulation of Biological Nanopores for Parallel Optical Nucleic Acid Sensing. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 7788-7797.	8.0	27