

Shuanghong Yan

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

553
citations

687363

13
h-index

677142

22
g-index

23
all docs

23
docs citations

23
times ranked

331
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	Electrode-free nanopore sensing by DiffusiOptoPhysiology. <i>Science Advances</i> , 2019, 5, eaar3309.	10.3	31
7	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
8	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
9	Programmable nano-reactors for stochastic sensing. <i>Nature Communications</i> , 2021, 12, 5811.	12.8	29
10	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
11	Direct microRNA Sequencing Using Nanopore-Induced Phase-Shift Sequencing. <i>iScience</i> , 2020, 23, 100916.	4.1	26
12	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
13	Retarded Translocation of Nucleic Acids through \pm -Hemolysin Nanopore in the Presence of a Calcium Flux. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 26926-26935.	8.0	19
14	Nanopore Sequencing Accurately Identifies the Cisplatin Adduct on DNA. <i>ACS Sensors</i> , 2021, 6, 3082-3092.	7.8	14
15	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
16	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
17	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
18	Non-binary Encoded Nucleic Acid Barcodes Directly Readable by a Nanopore. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	6

#	ARTICLE	IF	CITATIONS
19	Allosteric Switching of Calmodulin in a Mycobacterium smegmatis porinâ€¦A (MspA) Nanoporeâ€™Trap. Angewandte Chemie, 2021, 133, 24056.	2.0	5
20	Nanopore Sequencing Accurately Identifies the Mutagenic DNA Lesion O ⁶ -Carboxymethyl Guanine and Reveals Its Behavior in Replication. Angewandte Chemie, 2019, 131, 8520-8524.	2.0	4
21	Microscopic Screening of Cyclodextrin Channel Blockers by DiffusiOptoPhysiology. Analytical Chemistry, 2021, 93, 14161-14168.	6.5	4
22	Nonâ€binary Encoded Nucleic Acid Barcodes Directly Readable by a Nanopore. Angewandte Chemie, 2022, 134, .	2.0	1