# Shuanghong Yan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3971998/publications.pdf

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| 22 | 553 | 687363 13 | 677142 22 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 23 | 23 | 23 | 331 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Machine Learning Assisted Simultaneous Structural Profiling of Differently Charged Proteins in a Mycobacterium smegmatis Porin A (MspA) Electroosmotic Trap. Journal of the American Chemical Society, 2022, 144, 757-768. | 13.7 | 30 |
| 2 | Nonâ€binary Encoded Nucleic Acid Barcodes Directly Readable by a Nanopore. Angewandte Chemie, 2022, 134, . | 2.0 | 1 |
| 3 | Nonâ€binary Encoded Nucleic Acid Barcodes Directly Readable by a Nanopore. Angewandte Chemie - International Edition, 2022, 61, . | 13.8 | 6 |
| 4 | Rapid and multiplex preparation of engineered Mycobacterium smegmatis porin A (MspA) nanopores for single molecule sensing and sequencing. Chemical Science, 2021, 12, 9339-9346. | 7.4 | 7 |
| 5 | Mapping Potential Engineering Sites of Mycobacterium smegmatis porin A (MspA) to Form a Nanoreactor. ACS Sensors, 2021, 6, 2449-2456. | 7.8 | 10 |
| 6 | Structural-profiling of low molecular weight RNAs by nanopore trapping/translocation using Mycobacterium smegmatis porin A. Nature Communications, 2021, 12, 3368. | 12.8 | 42 |
| 7 | Single Molecule Ratcheting Motion of Peptides in a Mycobacterium smegmatis Porin A (MspA) Nanopore. Nano Letters, 2021, 21, 6703-6710. | 9.1 | 95 |
| 8 | Nanopore Sequencing Accurately Identifies the Cisplatin Adduct on DNA. ACS Sensors, 2021, 6, 3082-3092. | 7.8 | 14 |
| 9 | Allosteric Switching of Calmodulin in a Mycobacterium smegmatis porinâ€…A (MspA) Nanoporeâ€Trap. Angewandte Chemie, 2021, 133, 24056. | 2.0 | 5 |
| 10 | Allosteric Switching of Calmodulin in a Mycobacterium smegmatis porinâ€…A (MspA) Nanoporeâ€Trap. Angewandte Chemie - International Edition, 2021, 60, 23863-23870. | 13.8 | 25 |
| 11 | A Single-Molecule Observation of Dichloroaurate(I) Binding to an Engineered Mycobacterium smegmatis porin A (MspA) Nanopore. Analytical Chemistry, 2021, 93, 1529-1536. | 6.5 | 6 |
| 12 | Programmable nano-reactors for stochastic sensing. Nature Communications, 2021, 12, 5811. | 12.8 | 29 |
| 13 | Microscopic Screening of Cyclodextrin Channel Blockers by DiffusiOptoPhysiology. Analytical Chemistry, 2021, 93, 14161-14168. | 6.5 | 4 |
| 14 | Single molecule observation of hardâ€“soft-acidâ€“base (HSAB) interaction in engineeredMycobacterium smegmatisporin A (MspA) nanopores. Chemical Science, 2020, 11, 879-887. | 7.4 | 47 |
| 15 | Retarded Translocation of Nucleic Acids through Î±-Hemolysin Nanopore in the Presence of a Calcium Flux. ACS Applied Materials & Interfaces, 2020, 12, 26926-26935. | 8.0 | 19 |
| 16 | Direct microRNA Sequencing Using Nanopore-Induced Phase-Shift Sequencing. IScience, 2020, 23, 100916. | 4.1 | 26 |
| 17 | Electrode-free nanopore sensing by DiffusiOptoPhysiology. Science Advances, 2019, 5, eaar3309. | 10.3 | 31 |
| 18 | Direct sequencing of 2â€²-deoxy-2â€²-fluoroarabinonucleic acid (FANA) using nanopore-induced phase-shift sequencing (NIPSS). Chemical Science, 2019, 10, 3110-3117. | 7.4 | 35 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Nanopore Sequencing Accurately Identifies the Mutagenic DNA Lesion O<sup>6</sup>â€Carboxymethyl Guanine and Reveals Its Behavior in Replication. Angewandte Chemie, 2019, 131, 8520-8524. | 2.0 | 4 |
| 20 | Nanopore Sequencing Accurately Identifies the Mutagenic DNA Lesion O<sup>6</sup>â€Carboxymethyl Guanine and Reveals Its Behavior in Replication. Angewandte Chemie - International Edition, 2019, 58, 8432-8436. | 13.8 | 30 |
| 21 | Giant single molecule chemistry events observed from a tetrachloroaurate(III) embedded Mycobacterium smegmatis porin A nanopore. Nature Communications, 2019, 10, 5668. | 12.8 | 60 |
| 22 | Osmosis-Driven Motion-Type Modulation of Biological Nanopores for Parallel Optical Nucleic Acid Sensing. ACS Applied Materials & Interfaces, 2018, 10, 7788-7797. | 8.0 | 27 |