

Zifan Tang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10824299/publications.pdf>

Version: 2024-02-01

21
papers

452
citations

759233

12
h-index

752698

20
g-index

23
all docs

23
docs citations

23
times ranked

500
citing authors

#	ARTICLE	IF	CITATIONS
1	CRISPR-based detection of SARS-CoV-2: A review from sample to result. Biosensors and Bioelectronics, 2021, 178, 113012.	10.1	94
2	Hypersonic Poration: A New Versatile Cell Poration Method to Enhance Cellular Uptake Using a Piezoelectric Nano-Electromechanical Device. Small, 2017, 13, 1602962.	10.0	53
3	Detection of SARS-CoV-2 with Solid-State CRISPR-Cas12a-Assisted Nanopores. Nano Letters, 2021, 21, 8393-8400.	9.1	42
4	Noise in nanopore sensors: Sources, models, reduction, and benchmarking. Nami Jishu Yu Jingmi Gongcheng/Nanotechnology and Precision Engineering, 2020, 3, 9-17.	3.2	37
5	Loop-Mediated Isothermal Amplification-Coupled Glass Nanopore Counting Toward Sensitive and Specific Nucleic Acid Testing. Nano Letters, 2019, 19, 7927-7934.	9.1	32
6	Fabrications, Applications and Challenges of Solid-State Nanopores: A Mini Review. Nanomaterials and Nanotechnology, 2016, 6, 35.	3.0	30
7	High fidelity moving Z-score based controlled breakdown fabrication of solid-state nanopore. Nanotechnology, 2019, 30, 095502.	2.6	23
8	Fingerpick Blood-Based Nucleic Acid Testing on A USB Interfaced Device towards HIV self-testing. Biosensors and Bioelectronics, 2022, 209, 114255.	10.1	20
9	Calibration-Free Nanopore Digital Counting of Single Molecules. Analytical Chemistry, 2019, 91, 11178-11184.	6.5	18
10	Rapid detection of novel coronavirus SARS-CoV-2 by RT-LAMP coupled solid-state nanopores. Biosensors and Bioelectronics, 2022, 197, 113759.	10.1	18
11	Comparative analysis of static and non-static assays for biochemical sensing using on-chip integrated field effect transistors and solidly mounted resonators. Sensors and Actuators B: Chemical, 2017, 243, 775-783.	7.8	16
12	A Universal Biomolecular Concentrator To Enhance Biomolecular Surface Binding Based on Acoustic NEMS Resonator. ACS Central Science, 2018, 4, 899-908.	11.3	15
13	Quantitative Analysis of Factors Affecting the Event Rate in Glass Nanopore Sensors. ACS Sensors, 2019, 4, 3007-3013.	7.8	12
14	Direct Observation of Redox-Induced Bubble Generation and Nanopore Formation Dynamics in Controlled Dielectric Breakdown. ACS Applied Electronic Materials, 2020, 2, 2954-2960.	4.3	10
15	Microfluidic high-throughput single-cell mechanotyping: Devices and applications. Nami Jishu Yu Jingmi Gongcheng/Nanotechnology and Precision Engineering, 2021, 4, .	3.2	10
16	Confocal scanning photoluminescence for mapping electron and photon beam-induced microscopic changes in SiN _x during nanopore fabrication. Nanotechnology, 2020, 31, 395202.	2.6	6
17	Rolling Circle Amplification-Coupled Glass Nanopore Counting of Mild Traumatic Brain Injury-Related Salivary miRNAs. Analytical Chemistry, 2022, 94, 3865-3871.	6.5	6
18	On Stochastic Reduction in Laser-Assisted Dielectric Breakdown for Programmable Nanopore Fabrication. ACS Applied Materials & Interfaces, 2021, 13, 13383-13391.	8.0	5

#	ARTICLE	IF	CITATIONS
19	False Negative And False Positive Free Nanopore Fabrication Via Adaptive Learning Of The Controlled Dielectric Breakdown. , 2019, , .		2
20	Nanopore Digital Counting of Amplicons for Ultrasensitive Electronic DNA Detection. , 2019, , .		0
21	Calibration-Free Electrical Quantification of Single Molecules Using Nanopore Digital Counting. , 2019, , .		0