

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

758635

12
h-index

752256

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. <i>Biosensors and Bioelectronics</i> , 2021, 178, 113012.	5.3	94
2	Hypersonic Poration: A New Versatile Cell Poration Method to Enhance Cellular Uptake Using a Piezoelectric Nano-Electromechanical Device. <i>Small</i> , 2017, 13, 1602962.	5.2	53
3	Detection of SARS-CoV-2 with Solid-State CRISPR-Cas12a-Assisted Nanopores. <i>Nano Letters</i> , 2021, 21, 8393-8400.	4.5	42
4	Noise in nanopore sensors: Sources, models, reduction, and benchmarking. <i>Nami Jishu Yu Jingmi Gongcheng/Nanotechnology and Precision Engineering</i> , 2020, 3, 9-17.	1.7	37
5	Loop-Mediated Isothermal Amplification-Coupled Glass Nanopore Counting Toward Sensitive and Specific Nucleic Acid Testing. <i>Nano Letters</i> , 2019, 19, 7927-7934.	4.5	32
6	Fabrications, Applications and Challenges of Solid-State Nanopores: A Mini Review. <i>Nanomaterials and Nanotechnology</i> , 2016, 6, 35.	1.2	30
7	High fidelity moving Z-score based controlled breakdown fabrication of solid-state nanopore. <i>Nanotechnology</i> , 2019, 30, 095502.	1.3	23
8	Fingerpick Blood-Based Nucleic Acid Testing on A USB Interfaced Device towards HIV self-testing. <i>Biosensors and Bioelectronics</i> , 2022, 209, 114255.	5.3	20
9	Calibration-Free Nanopore Digital Counting of Single Molecules. <i>Analytical Chemistry</i> , 2019, 91, 11178-11184.	3.2	18
10	Rapid detection of novel coronavirus SARS-CoV-2 by RT-LAMP coupled solid-state nanopores. <i>Biosensors and Bioelectronics</i> , 2022, 197, 113759.	5.3	18
11	Comparative analysis of static and non-static assays for biochemical sensing using on-chip integrated field effect transistors and solidly mounted resonators. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 775-783.	4.0	16
12	A Universal Biomolecular Concentrator To Enhance Biomolecular Surface Binding Based on Acoustic NEMS Resonator. <i>ACS Central Science</i> , 2018, 4, 899-908.	5.3	15
13	Quantitative Analysis of Factors Affecting the Event Rate in Glass Nanopore Sensors. <i>ACS Sensors</i> , 2019, 4, 3007-3013.	4.0	12
14	Direct Observation of Redox-Induced Bubble Generation and Nanopore Formation Dynamics in Controlled Dielectric Breakdown. <i>ACS Applied Electronic Materials</i> , 2020, 2, 2954-2960.	2.0	10
15	Microfluidic high-throughput single-cell mechanotyping: Devices and applications. <i>Nami Jishu Yu Jingmi Gongcheng/Nanotechnology and Precision Engineering</i> , 2021, 4, .	1.7	10
16	Confocal scanning photoluminescence for mapping electron and photon beam-induced microscopic changes in SiN _x during nanopore fabrication. <i>Nanotechnology</i> , 2020, 31, 395202.	1.3	6
17	Rolling Circle Amplification-Coupled Glass Nanopore Counting of Mild Traumatic Brain Injury-Related Salivary miRNAs. <i>Analytical Chemistry</i> , 2022, 94, 3865-3871.	3.2	6
18	On Stochastic Reduction in Laser-Assisted Dielectric Breakdown for Programmable Nanopore Fabrication. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 13383-13391.	4.0	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