

Quanjun Liu

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

338
citations

840776

11
h-index

839539

18
g-index

26
all docs

26
docs citations

26
times ranked

422
citing authors

#	ARTICLE	IF	CITATIONS
1	A rapid and label-free platform for virus enrichment based on electrostatic microfluidics. <i>Talanta</i> , 2022, 242, 122989.	5.5	2
2	An integrated microfluidic chip for alginate microsphere generation and 3D cell culture. <i>Analytical Methods</i> , 2022, 14, 1181-1186.	2.7	3
3	Nanopore Detection of Cancer Biomarkers: A Challenge to Science. <i>Technology in Cancer Research and Treatment</i> , 2022, 21, 153303382210766.	1.9	2
4	Recent advances in biological nanopores for nanopore sequencing, sensing and comparison of functional variations in MspA mutants. <i>RSC Advances</i> , 2021, 11, 28996-29014.	3.6	12
5	Impact of left atrial appendage location on risk of thrombus formation in patients with atrial fibrillation. <i>Biomechanics and Modeling in Mechanobiology</i> , 2021, 20, 1431-1443.	2.8	24
6	Recognition of Bimolecular Logic Operation Pattern Based on a Solid-State Nanopore. <i>Sensors</i> , 2021, 21, 33.	3.8	2
7	Deformation-Mediated Translocation of DNA Origami Nanoplates through a Narrow Solid-State Nanopore. <i>Analytical Chemistry</i> , 2020, 92, 13238-13245.	6.5	11
8	Comparison of Multiple Displacement Amplification (MDA) and Multiple Annealing and Looping-Based Amplification Cycles (MALBAC) in Limited DNA Sequencing Based on Tube and Droplet. <i>Micromachines</i> , 2020, 11, 645.	2.9	18
9	Continuous Microfluidic Purification of DNA Using Magnetophoresis. <i>Micromachines</i> , 2020, 11, 187.	2.9	18
10	Clear Discrimination of Single-Molecule of a Single-Stranded DNA Homopolymers and Hetero-Homopolymers Through a New Mutant of <i>Mycobacterium smegmatis</i> Porin A, MspA. <i>Nanoscience and Nanotechnology Letters</i> , 2019, 11, 1104-1115.	0.4	2
11	Solid-State Nanopore Single-Molecule Sensing of DNAzyme Cleavage Reaction Assisted with Nucleic Acid Nanostructure. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 26555-26565.	8.0	19
12	Fluorescence detection system for microfluidic droplets. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	4
13	Hydrogen Peroxide Sensing Based on Inner Surfaces Modification of Solid-State Nanopore. <i>Nanoscale Research Letters</i> , 2017, 12, 422.	5.7	4
14	Expression and Purification of a Novel Mycobacterial Porin MspA Mutant in <i>E. coli</i> . <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 9125-9129.	0.9	5
15	Detection of a single enzyme molecule based on a solid-state nanopore sensor. <i>Nanotechnology</i> , 2016, 27, 155502.	2.6	18
16	Translocation of Rigid Rod-Shaped Virus through Various Solid-State Nanopores. <i>Analytical Chemistry</i> , 2016, 88, 2502-2510.	6.5	42
17	Single Nanoparticle Translocation Through Chemically Modified Solid Nanopore. <i>Nanoscale Research Letters</i> , 2016, 11, 50.	5.7	20
18	DNA-functionalized silicon nitride nanopores for sequence-specific recognition of DNA biosensor. <i>Nanoscale Research Letters</i> , 2015, 10, 205.	5.7	16

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19	The Estimation of Field-Dependent Conductance Change of Nanopore by Field-Induced Charge in the Translocations of AuNPs-DNA Conjugates. <i>Journal of Physical Chemistry C</i> , 2014, 118, 26825-26835.	3.1	19
20	Gold nanorod translocation through a solid-state nanopore. <i>Science Bulletin</i> , 2014, 59, 598-605.	1.7	6
21	Electrically facilitated translocation of protein through solid nanopore. <i>Nanoscale Research Letters</i> , 2014, 9, 140.	5.7	29
22	Translocation of Gold Nanorod Through a Solid-State Nanopore. <i>Science of Advanced Materials</i> , 2014, 6, 2075-2078.	0.7	2
23	Fabrication and characterization of silicon nitride nanopore. , 2013, , .		0
24	Silicon Nitride Nanopores for Nanoparticle Sensing. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 4010-4016.	0.9	9
25	Solid-State Nanopore for Rod-Like Virus Detection. <i>Science of Advanced Materials</i> , 2013, 5, 2039-2047.	0.7	6
26	Voltage-Driven Translocation of DNA through a High Throughput Conical Solid-State Nanopore. <i>PLoS ONE</i> , 2012, 7, e46014.	2.5	45