

Hai Jiang

List of Publications by Year in descending order

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27
papers

631
citations

687363

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#	ARTICLE	IF	CITATIONS
1	3D-architected aptasensor for ultrasensitive electrochemical detection of norovirus based on phosphorene-gold nanocomposites. <i>Sensors and Actuators B: Chemical</i> , 2022, 354, 131232.	7.8	30
2	Electrokinetically induced concentration of diluted sample by liquid metal embedded microfluidic chip. <i>Physics of Fluids</i> , 2022, 34, .	4.0	5
3	A Portable 3D Microfluidic Origami Biosensor for Cortisol Detection in Human Sweat. <i>Analytical Chemistry</i> , 2022, 94, 3526-3534.	6.5	36
4	Facile Fabrication of an Ultrasensitive All-Graphene Fabric Wearable Pressure Sensor Based on Phosphorene-Gold Nanocomposites. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	9
5	Fabrication of a novel liquid metal microelectrode in microfluidic chip. <i>Modern Physics Letters B</i> , 2021, 35, 2140005.	1.9	1
6	Microfluidic thread-based electrochemical aptasensor for rapid detection of <i>Vibrio parahaemolyticus</i> . <i>Biosensors and Bioelectronics</i> , 2021, 182, 113191.	10.1	51
7	Advances in microfluidic nanobiosensors for the detection of foodborne pathogens. <i>LWT - Food Science and Technology</i> , 2021, 151, 112172.	5.2	27
8	Microfluidic origami nano-aptasensor for peanut allergen Ara h1 detection. <i>Food Chemistry</i> , 2021, 365, 130511.	8.2	35
9	Numerical Studies of Electrokinetically Controlled Concentration of Diluted DNA Molecules in a T-Shaped Microchannel. <i>IEEE Access</i> , 2020, 8, 5601-5610.	4.2	2
10	A hillock-like phenomenon with low friction and adhesion on a graphene surface induced by relative sliding at the interface of graphene and the SiO ₂ substrate using an AFM tip. <i>Nanoscale Advances</i> , 2020, 2, 2548-2557.	4.6	1
11	Improvement on Selective Laser Sintering and Post-Processing of Polystyrene. <i>Polymers</i> , 2019, 11, 956.	4.5	28
12	Recent advances in thread-based microfluidics for diagnostic applications. <i>Biosensors and Bioelectronics</i> , 2019, 132, 171-185.	10.1	78
13	Numerical and experimental investigation of "water fan"™ effect due to electrohydrodynamic force in a microchamber. <i>Electrophoresis</i> , 2019, 40, 1126-1134.	2.4	0
14	New advances in microfluidic flow cytometry. <i>Electrophoresis</i> , 2019, 40, 1212-1229.	2.4	54
15	The Insertion Mechanism of a Living Cell Determined by the Stress Segmentation Effect of the Cell Membrane during the Tip-Cell Interaction. <i>Small</i> , 2018, 14, e1703868.	10.0	14
16	Multi-Objective Optimum Design of High-Speed Backplane Connector Using Particle Swarm Optimization. <i>IEEE Access</i> , 2018, 6, 35182-35193.	4.2	18
17	Characterization of an induced pressure pumping force for microfluidics. <i>Applied Physics Letters</i> , 2017, 110, 184102.	3.3	10
18	Numerical Investigation of the Fracture Mechanism of Defective Graphene Sheets. <i>Materials</i> , 2017, 10, 164.	2.9	17

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19	Investigation of the Mechanical Properties of the Human Osteosarcoma Cell at Different Cell Cycle Stages. <i>Micromachines</i> , 2017, 8, 89.	2.9	13
20	A novel microfluidic flow focusing method. <i>Biomicrofluidics</i> , 2014, 8, 054120.	2.4	13
21	Dual-wavelength fluorescent detection of particles on a novel microfluidic chip. <i>Lab on A Chip</i> , 2013, 13, 843.	6.0	12
22	A MINIATURIZED SYSTEM FOR RAPID AND QUANTITATIVE DETERMINATION OF A COCAINE METABOLITE BY A HOMOGENEOUS ENZYME IMMUNOASSAY. <i>Instrumentation Science and Technology</i> , 2013, 41, 512-523.	1.8	2
23	Electrokinetically-controlled RNA-DNA hybridization assay for foodborne pathogens. <i>Mikrochimica Acta</i> , 2012, 178, 381-387.	5.0	5
24	DC dielectrophoresis separation of marine algae and particles in a microfluidic chip. <i>Science China Chemistry</i> , 2012, 55, 524-530.	8.2	27
25	Microfluidic whole-blood immunoassays. <i>Microfluidics and Nanofluidics</i> , 2011, 10, 941-964.	2.2	101
26	Microfluidic DNA hybridization assays. <i>Microfluidics and Nanofluidics</i> , 2011, 11, 367-383.	2.2	33
27	Concentrating molecules in a simple microchannel. <i>Journal of Colloid and Interface Science</i> , 2010, 347, 324-331.	9.4	9