

Nangang Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

860
citations

840776

11
h-index

752698

20
g-index

21
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21
docs citations

21
times ranked

1497
citing authors

#	ARTICLE	IF	CITATIONS
1	One-step detection of oral ulcers and oral cancer derived exosomes on wedge-shaped and high magnetic field gradient mediated chip. <i>Sensors and Actuators B: Chemical</i> , 2022, 357, 131403.	7.8	4
2	An automated detection of influenza virus based on 3-D magnetophoretic separation and magnetic label. <i>Analyst</i> , 2021, 146, 930-936.	3.5	8
3	Simultaneous and automated detection of influenza A virus hemagglutinin H7 and H9 based on magnetism and size mediated microfluidic chip. <i>Sensors and Actuators B: Chemical</i> , 2020, 308, 127675.	7.8	44
4	Negative depletion mediated brightfield circulating tumour cell identification strategy on microparticle-based microfluidic chip. <i>Journal of Nanobiotechnology</i> , 2020, 18, 70.	9.1	10
5	Simple and convenient microfluidic flow rate measurement based on microbubble image velocimetry. <i>Microfluidics and Nanofluidics</i> , 2019, 23, 1.	2.2	7
6	High-performance multiplex microvalves fabrication and using for tumor cells staining on a microfluidic chip. <i>Biomedical Microdevices</i> , 2019, 21, 87.	2.8	7
7	Highly Efficient Isolation of Circulating Tumor Cells Using a Simple Wedge-Shaped Microfluidic Device. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 1536-1541.	4.2	14
8	A simple pyramid-shaped microchamber towards highly efficient isolation of circulating tumor cells from breast cancer patients. <i>Biomedical Microdevices</i> , 2018, 20, 83.	2.8	8
9	Wedge-shaped microfluidic chip for circulating tumor cells isolation and its clinical significance in gastric cancer. <i>Journal of Translational Medicine</i> , 2018, 16, 139.	4.4	40
10	Platelet-Leukocyte Hybrid Membrane-Coated Immunomagnetic Beads for Highly Efficient and Highly Specific Isolation of Circulating Tumor Cells. <i>Advanced Functional Materials</i> , 2018, 28, 1803531.	14.9	154
11	Early Cancer Diagnosis: Platelet-Leukocyte Hybrid Membrane-Coated Immunomagnetic Beads for Highly Efficient and Highly Specific Isolation of Circulating Tumor Cells (<i>Adv. Funct. Mater.</i> 34/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870241.	14.9	1
12	Generation of Linear and Parabolic Concentration Gradients by Using a Christmas Tree-Shaped Microfluidic Network. <i>Wuhan University Journal of Natural Sciences</i> , 2018, 23, 244-250.	0.4	5
13	PMMA microfluidic chip fabrication using laser ablation and low temperature bonding with OCA film and LOCA. <i>Microsystem Technologies</i> , 2017, 23, 1937-1942.	2.0	28
14	Highly efficient isolation and release of circulating tumor cells based on size-dependent filtration and degradable ZnO nanorods substrate in a wedge-shaped microfluidic chip. <i>Biomedical Microdevices</i> , 2017, 19, 93.	2.8	13
15	Self-powered blue-sensitive photodetector based on PEDOT:PSS/SnO ₂ microwires organic/inorganic p-n heterojunction. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 119, 1561-1566.	2.3	26
16	Capture and Release of Cancer Cells by Combining On-Chip Purification and Off-Chip Enzymatic Treatment. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 24001-24007.	8.0	55
17	Biocompatible TiO ₂ nanoparticle-based cell immunoassay for circulating tumor cells capture and identification from cancer patients. <i>Biomedical Microdevices</i> , 2013, 15, 617-626.	2.8	66
18	A methylene bridged bisimidazolium iodide based low-volatility electrolyte for efficient dye-sensitized solar cells. <i>Journal of Renewable and Sustainable Energy</i> , 2013, 5, 043121.	2.0	1

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19	Generation of disk-like hydrogel beads for cell encapsulation and manipulation using a droplet-based microfluidic device. <i>Microfluidics and Nanofluidics</i> , 2012, 13, 761-767.	2.2	51
20	Electrospun TiO ₂ Nanofiber-Based Cell Capture Assay for Detecting Circulating Tumor Cells from Colorectal and Gastric Cancer Patients. <i>Advanced Materials</i> , 2012, 24, 2756-2760.	21.0	315
21	Assays: Electrospun TiO ₂ Nanofiber-Based Cell Capture Assay for Detecting Circulating Tumor Cells from Colorectal and Gastric Cancer Patients (<i>Adv. Mater.</i> 20/2012). <i>Advanced Materials</i> , 2012, 24, 2755-2755.	21.0	3