

Rongxiang He

List of Publications by Year in descending order

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28
papers

833
citations

623734

14
h-index

526287

27
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30
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30
docs citations

30
times ranked

1438
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Droplet electric separator microfluidic device for cell sorting. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	78
3	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
4	Efficient Purification and Release of Circulating Tumor Cells by Synergistic Effect of Biomarker and SiO ₂ @Gel-Microbead-Based Size Difference Amplification. <i>Advanced Healthcare Materials</i> , 2016, 5, 1554-1559.	7.6	44
5	Intermediate Phase Growth Assisted Sequential Deposition Boosts Stable and High-Efficiency Triple Cation Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2020, 30, 1908343.	14.9	40
6	A micro-/nano-chip and quantum dots-based 3D cytosensor for quantitative analysis of circulating tumor cells. <i>Journal of Nanobiotechnology</i> , 2018, 16, 65.	9.1	34
7	Electrophoretic Deposited Black Phosphorus on 3D Porous Current Collectors to Regulate Li Nucleation for Dendrite-Free Lithium Metal Anodes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 51563-51572.	8.0	30
8	A Microwell-Assisted Multiaptamer Immunomagnetic Platform for Capture and Genetic Analysis of Circulating Tumor Cells. <i>Advanced Healthcare Materials</i> , 2018, 7, e1801231.	7.6	28
9	A microfluidic platform utilizing anchored water-in-oil-in-water double emulsions to create a niche for analyzing single non-adherent cells. <i>Lab on A Chip</i> , 2019, 19, 422-431.	6.0	25
10	Disk-like hydrogel bead-based immunofluorescence staining toward identification and observation of circulating tumor cells. <i>Microfluidics and Nanofluidics</i> , 2014, 16, 29-37.	2.2	21
11	TiO ₂ Nanorod Arrays with Mesoscopic Micro-Nano Interfaces for in Situ Regulation of Cell Morphology and Nucleus Deformation. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 66-74.	8.0	18
12	Acoustic Droplet-Assisted Superhydrophilic-Superhydrophobic Microarray Platform for High-Throughput Screening of Patient-Derived Tumor Spheroids. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 23489-23501.	8.0	18
13	Ultrafast nanotube based diffusiophoresis nanomotors. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	16
14	Transparent, biocompatible nanostructured surfaces for cancer cell capture and culture. <i>International Journal of Nanomedicine</i> , 2014, 9, 2569.	6.7	16
15	PDMS micropillar-based microchip for efficient cancer cell capture. <i>RSC Advances</i> , 2015, 5, 52161-52166.	3.6	13
16	Multi-walled carbon nanotubes induced a controllable TiO ₂ morphology transformation for high-rate and long-life lithium-ion batteries. <i>RSC Advances</i> , 2017, 7, 21988-21996.	3.6	13
17	An Integrated Optofluidic Platform Enabling Total Phosphorus On-Chip Digestion and Online Real-Time Detection. <i>Micromachines</i> , 2020, 11, 59.	2.9	13
18	Three-dimensional valve-based controllable PDMS nozzle for dynamic modulation of droplet generation. <i>Microfluidics and Nanofluidics</i> , 2016, 20, 1.	2.2	11

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19	Controllable fission of droplets and bubbles by pneumatic valve. <i>Microfluidics and Nanofluidics</i> , 2011, 10, 1343-1349.	2.2	8
20	Tailoring the Energy Band Structure and Interfacial Morphology of the ETL via Controllable Nanocluster Size Achieves High-Performance Planar Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 48555-48568.	8.0	8
21	Artificial honeycomb-inspired TiO ₂ nanorod arrays with tunable nano/micro interfaces for improving poly(dimethylsiloxane) surface hydrophobicity. <i>Journal of Materials Science</i> , 2016, 51, 2935-2941.	3.7	4
22	Assays: Electrospun TiO ₂ Nanofiber-Based Cell Capture Assay for Detecting Circulating Tumor Cells from Colorectal and Gastric Cancer Patients (Adv. Mater. 20/2012). <i>Advanced Materials</i> , 2012, 24, 2755-2755.	21.0	3
23	One-step electroplating 3D template with gradient height to enhance micromixing in microfluidic chips. <i>Microfluidics and Nanofluidics</i> , 2015, 19, 829-836.	2.2	3
24	Engineering of Droplet Charges in Microfluidic Chips. <i>Advanced Engineering Materials</i> , 2020, 22, 1901521.	3.5	3
25	Highly sensitive microRNA detection by duplex-specific nuclease amplification triggered three-dimensional DNA machine. <i>Analytical Methods</i> , 2021, 13, 5694-5699.	2.7	2
26	Electrochemical Deposited Calcium Phosphate Nanomaterials with Micro-Nano Interface for Capture and Non-Invasive Release of Cancer Cells. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101097.	3.7	2
27	Intermediate Phase Growth: Intermediate Phase Growth Assisted Sequential Deposition Boosts Stable and High-Efficiency Triple Cation Perovskite Solar Cells (Adv.) <i>Tj ETQq1 1 0.7843 14 rgBT /Over</i>	1.0	1
28	Electric field-assisted MnO ₂ nanomaterials for rapid capture and in-situ delivery of circulating tumour cells. <i>Nanoscale</i> , 2022, , .	5.6	0