

Jie Cheng

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

467
citations

1307594

7
h-index

1058476

14
g-index

17
all docs

17
docs citations

17
times ranked

539
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Bioinspired Engineering of a Multivalent Aptamer-Functionalized Nanointerface to Enhance the Capture and Release of Circulating Tumor Cells. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2236-2240. | 13.8 | 175 |
| 2 | Bioinspired Engineering of Multivalent Aptamer-Functionalized Nanointerface to Enhance Capture and Release of Circulating Tumor Cells. <i>Angewandte Chemie</i> , 2018, 131, 2258. | 2.0 | 141 |
| 3 | Staining Traditional Colloidal Gold Test Strips with Pt Nanoshell Enables Quantitative Point-of-Care Testing with Simple and Portable Pressure Meter Readout. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 1800-1806. | 8.0 | 38 |
| 4 | Nanotechnology-Assisted Isolation and Analysis of Circulating Tumor Cells on Microfluidic Devices. <i>Micromachines</i> , 2020, 11, 774. | 2.9 | 32 |
| 5 | Microsphere mediated exosome isolation and ultra-sensitive detection on a dielectrophoresis integrated microfluidic device. <i>Analyst, The</i> , 2021, 146, 5962-5972. | 3.5 | 31 |
| 6 | The use of microfluidic spinning fiber as an ophthalmology suture showing the good anastomotic strength control. <i>Scientific Reports</i> , 2017, 7, 16264. | 3.3 | 12 |
| 7 | Single-Cell Electroporation with Real-Time Impedance Assessment Using a Constriction Microchannel. <i>Micromachines</i> , 2020, 11, 856. | 2.9 | 10 |
| 8 | pH-Triggered Silk Fibroin/Alginate Structures Fabricated in Aqueous Two-Phase System. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 5897-5905. | 5.2 | 6 |
| 9 | Wafer-level fabrication of 3D nanoparticles assembled nanopillars and click chemistry modification for sensitive SERS detection of trace carbonyl compounds. <i>Nanotechnology</i> , 2020, 31, 265301. | 2.6 | 6 |
| 10 | Microfluidic Preconcentration Chip with Self-Assembled Chemical Modified Surface for Trace Carbonyl Compounds Detection. <i>Sensors</i> , 2018, 18, 4402. | 3.8 | 4 |
| 11 | Design, fabrication and characterisation of Si-based capillary-driven microfluidic devices. <i>Micro and Nano Letters</i> , 2018, 13, 1682-1687. | 1.3 | 3 |
| 12 | Innentitelbild: Bioinspired Engineering of a Multivalent Aptamer-Functionalized Nanointerface to Enhance the Capture and Release of Circulating Tumor Cells (Angew. Chem. 8/2019). <i>Angewandte Chemie</i> , 2019, 131, 2180-2180. | 2.0 | 3 |
| 13 | 3D spiral channels combined with flexible micro-sieve for high-throughput rare tumor cell enrichment and assay from clinical pleural effusion samples. <i>Bio-Design and Manufacturing</i> , 2022, 5, 358. | 7.7 | 1 |
| 14 | Morphology regulation of nanowire forests for tumour-cell behaviours. <i>Micro and Nano Letters</i> , 2021, 16, 392-398. | 1.3 | 0 |
| 15 | Hierarchical ZnO Nanospikes on Rough Nanopillars for Gas Sensing with Self-Cleaning Properties. , 2021, , . | | 0 |