

Dongping Qi

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

605
citations

840776

11
h-index

940533

16
g-index

22
all docs

22
docs citations

22
times ranked

830
citing authors

#	ARTICLE	IF	CITATIONS
1	Purification of HCC-specific extracellular vesicles on nanosubstrates for early HCC detection by digital scoring. <i>Nature Communications</i> , 2020, 11, 4489.	12.8	134
2	Substrate and Chain Size Dependence of Near Surface Dynamics of Glassy Polymers. <i>Physical Review Letters</i> , 2008, 101, 096101.	7.8	91
3	Measuring surface and bulk relaxation in glassy polymers. <i>European Physical Journal E</i> , 2011, 34, 56.	1.6	71
4	Using Nanoparticle Embedding to Probe Surface Rheology and the Length Scale of Surface Mobility in Glassy Polymers. <i>Macromolecules</i> , 2009, 42, 6851-6854.	4.8	62
5	Bio-Inspired NanoVilli Chips for Enhanced Capture of Tumor-Derived Extracellular Vesicles: Toward Non-Invasive Detection of Gene Alterations in Non-Small Cell Lung Cancer. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 13973-13983.	8.0	55
6	Screening cell mechanotype by parallel microfiltration. <i>Scientific Reports</i> , 2015, 5, 17595.	3.3	51
7	Molecular weight dependence of near surface dynamical mechanical properties of polymers. <i>Soft Matter</i> , 2013, 9, 8958.	2.7	24
8	A scalable filtration method for high throughput screening based on cell deformability. <i>Lab on A Chip</i> , 2019, 19, 343-357.	6.0	24
9	Circulating trophoblast cell clusters for early detection of placenta accreta spectrum disorders. <i>Nature Communications</i> , 2021, 12, 4408.	12.8	23
10	Probing single cells using flow in microfluidic devices. <i>European Physical Journal: Special Topics</i> , 2012, 204, 85-101.	2.6	20
11	Coupling Nanostructured Microchips with Covalent Chemistry Enables Purification of Sarcoma-Derived Extracellular Vesicles for Downstream Functional Studies. <i>Advanced Functional Materials</i> , 2020, 30, 2003237.	14.9	20
12	Circulating Tumor Cell-Based Messenger RNA Scoring System for Prognostication of Hepatocellular Carcinoma: Translating Tissue-Based Messenger RNA Profiling Into a Noninvasive Setting. <i>Liver Transplantation</i> , 2022, 28, 200-214.	2.4	8
13	A protocol for screening cells based on deformability using parallel microfiltration. <i>Protocol Exchange</i> , 0, , .	0.3	6
14	Light Scattering Microscopy of Surface and Its Computational Simulation. <i>Chinese Physics Letters</i> , 1999, 16, 397-399.	3.3	5
15	Extraction of height probability density of random rough surfaces from the central $\hat{\Gamma}$ -peak of angle-resolved light scattering using the optical inversion algorithm. <i>Applied Physics Letters</i> , 2002, 81, 2124-2126.	3.3	4
16	Covalent Chemistry-Mediated Multimarker Purification of Circulating Tumor Cells Enables Noninvasive Detection of Molecular Signatures of Hepatocellular Carcinoma. <i>Advanced Materials Technologies</i> , 2021, 6, 2001056.	5.8	4
17	Flake structure in the speckle field produced by a few scatterers. <i>Chinese Physics B</i> , 2000, 9, 353-358.	1.3	2
18	Abstract 226: Parallel microfiltration (PMF): A novel method to screen cell mechanotype. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
19	The specular component of light scattering and the characterization of the height distribution for random surfaces. <i>Science in China Series G: Physics, Mechanics and Astronomy</i> , 2003, 46, 518.	0.2	0
20	High Throughput Screening Methodology to Probe Cell Deformability. <i>Biophysical Journal</i> , 2012, 102, 716a.	0.5	0
21	High-Throughput Cell Deformability Screening to Identify Novel Anti-Cancer Compounds. <i>Biophysical Journal</i> , 2018, 114, 326a.	0.5	0
22	Sarcoma-Derived Extracellular Vesicles: Coupling Nanostructured Microchips with Covalent Chemistry Enables Purification of Sarcoma-Derived Extracellular Vesicles for Downstream Functional Studies (<i>Adv. Funct. Mater.</i> 49/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070322.	14.9	0