

Xinghua Gao

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

733
citations

759233

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713466

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docs citations

22
times ranked

1268
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanofiber membrane supported lung-on-a-chip microdevice for anti-cancer drug testing. <i>Lab on A Chip</i> , 2018, 18, 486-495.	6.0	181
2	Microfluidic platform towards point-of-care diagnostics in infectious diseases. <i>Journal of Chromatography A</i> , 2015, 1377, 13-26.	3.7	176
3	Air Quality Effects on Human Health and Approaches for Its Assessment through Microfluidic Chips. <i>Genes</i> , 2017, 8, 244.	2.4	75
4	Detection of Phenylketonuria Markers Using a ZIF-67 Encapsulated PtPd Alloy Nanoparticle (PtPd@ZIF-67)-Based Disposable Electrochemical Microsensor. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 20734-20742.	8.0	43
5	Biomimetic human lung-on-a-chip for modeling disease investigation. <i>Biomicrofluidics</i> , 2019, 13, 031501.	2.4	38
6	Organ-on-Chip Technology: Current State and Future Developments. <i>Genes</i> , 2017, 8, 266.	2.4	26
7	Functionalized PDMS with Versatile and Scalable Surface Roughness Gradients for Cell Culture. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 17181-17187.	8.0	24
8	Simple Fabrication of Multicomponent Heterogeneous Fibers for Cell Co-culture via Microfluidic Spinning. <i>Macromolecular Bioscience</i> , 2020, 20, 1900395.	4.1	24
9	Regulation of cell migration and osteogenic differentiation in mesenchymal stem cells under extremely low fluidic shear stress. <i>Biomicrofluidics</i> , 2014, 8, .	2.4	22
10	A simple elastic membrane-based microfluidic chip for the proliferation and differentiation of mesenchymal stem cells under tensile stress. <i>Electrophoresis</i> , 2011, 32, 3431-3436.	2.4	18
11	High throughput generation and trapping of individual agarose microgel using microfluidic approach. <i>Microfluidics and Nanofluidics</i> , 2013, 15, 467-474.	2.2	15
12	Microvalves actuated sandwich immunoassay on an integrated microfluidic system. <i>Electrophoresis</i> , 2009, 30, 2481-2487.	2.4	14
13	PLGA Nanofiber/PDMS Microporous Composite Membrane-Sandwiched Microchip for Drug Testing. <i>Micromachines</i> , 2020, 11, 1054.	2.9	11
14	An integrated microfluidic device for characterizing chondrocyte metabolism in response to distinct levels of fluid flow stimulus. <i>Microfluidics and Nanofluidics</i> , 2013, 15, 763-773.	2.2	10
15	2H ⁺ MoS ₂ /Co ₃ O ₄ nanohybrid with type I nitroreductase-mimicking activity for the electrochemical assays of nitroaromatic compounds. <i>Analytica Chimica Acta</i> , 2022, 1221, 340078.	5.4	10
16	3D Microstructure Inhibits Mesenchymal Stem Cells Homing to the Site of Liver Cancer Cells on a Microchip. <i>Genes</i> , 2017, 8, 218.	2.4	9
17	Facile fabrication of drug-loaded PEGDA microcapsules for drug evaluation using droplet-based microchip. <i>Chinese Chemical Letters</i> , 2022, 33, 2697-2700.	9.0	9
18	Design and Application of Metal Organic Framework ZIF-90-ZnO-MoS ₂ Nanohybrid for an Integrated Electrochemical Liquid Biopsy. <i>Nano Letters</i> , 2022, 22, 6833-6840.	9.1	8

#	ARTICLE	IF	CITATIONS
19	Regulating cell behaviors on micropillar topographies affected by interfacial energy. RSC Advances, 2015, 5, 22916-22922.	3.6	7
20	Probing tumor microtissue formation and epithelial-mesenchymal transition on a well-mesh microchip. Biomicrofluidics, 2019, 13, 014102.	2.4	7
21	3D printing of heterogeneous microfibers with multi- μ hollow structure via microfluidic spinning. Journal of Tissue Engineering and Regenerative Medicine, 2022, 16, 913-922.	2.7	4
22	Investigating the Regulation of Neural Differentiation and Injury in PC12 Cells Using Microstructure Topographic Cues. Biosensors, 2021, 11, 399.	4.7	2