Navid Kashaninejad

List of Publications by Year
in descending order

53	1,693	331538	289141
papers	citations	21 h-index	40 g-index

58	58	58	2295
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Micro/nanofluidic devices for drug delivery. Progress in Molecular Biology and Translational Science, 2022, 187, 9-39.	0.9	8
2	A new insight into a thermoplastic microfluidic device aimed at improvement of oxygenation process and avoidance of shear stress during cell culture. Biomedical Microdevices, 2022, 24, 15.	1.4	2
3	Enrichment of cancer stem-like cells by controlling oxygen, glucose and fluid shear stress in a microfluidic spheroid culture device. Journal of Science: Advanced Materials and Devices, 2022, 7, 100439.	1.5	10
4	Signal-Based Methods in Dielectrophoresis for Cell and Particle Separation. Biosensors, 2022, 12, 510.	2.3	12
5	A Comprehensive Review on Intracellular Delivery. Advanced Materials, 2021, 33, e2005363.	11.1	58
6	Microneedle Arrays for Sampling and Sensing Skin Interstitial Fluid. Chemosensors, 2021, 9, 83.	1.8	44
7	Wide-Band-Gap Semiconductors for Biointegrated Electronics: Recent Advances and Future Directions. ACS Applied Electronic Materials, 2021, 3, 1959-1981.	2.0	21
8	Intracellular Delivery: A Comprehensive Review on Intracellular Delivery (Adv. Mater. 13/2021). Advanced Materials, 2021, 33, 2170103.	11.1	1
9	An integrated microfluidic concentration gradient generator for mechanical stimulation and drug delivery. Journal of Science: Advanced Materials and Devices, 2021, 6, 280-290.	1.5	24
10	Electrochemical Detection of Global DNA Methylation Using Biologically Assembled Polymer Beads. Cancers, 2021, 13, 3787.	1.7	1
11	A Proof-of-Concept Study Using Numerical Simulations of an Acoustic Spheroid-on-a-Chip Platform for Improving 3D Cell Culture. Sensors, 2021, 21, 5529.	2.1	4
12	Investigation of viscoelastic focusing of particles and cells in a zigzag microchannel. Electrophoresis, 2021, 42, 2230-2237.	1.3	10
13	Sessile Liquid Marbles with Embedded Hydrogels as Bioreactors for Threeâ€Dimensional Cell Culture. Advanced Biology, 2021, 5, 2000108.	1.4	4
14	High-Throughput, Label-Free Isolation of White Blood Cells from Whole Blood Using Parallel Spiral Microchannels with U-Shaped Cross-Section. Biosensors, 2021, 11, 406.	2.3	10
15	Anti-Cancer Drug Screening with Microfluidic Technology. Applied Sciences (Switzerland), 2021, 11, 9418.	1.3	14
16	Simple, Cost-Effective, and Continuous 3D Dielectrophoretic Microchip for Concentration and Separation of Bioparticles. Industrial & Engineering Chemistry Research, 2020, 59, 3772-3783.	1.8	31
17	A tool for designing tree-like concentration gradient generators for lab-on-a-chip applications. Chemical Engineering Science, 2020, 212, 115339.	1.9	19
18	Magnetofluidic spreading in circular chambers under a uniform magnetic field. Microfluidics and Nanofluidics, 2020, 24, 1.	1.0	3

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19	An Interfaceâ€“Particle Interaction Approach for Evaluation of the Co-Encapsulation Efficiency of Cells in a Flow-Focusing Droplet Generator. Sensors, 2020, 20, 3774.	2.1	10
20	RhoA and Rac1 in Liver Cancer Cells: Induction of Overexpression Using Mechanical Stimulation. Micromachines, 2020, 11, 729.	1.4	16
21	Advances in numerical approaches for microfluidic cell analysis platforms. Journal of Science: Advanced Materials and Devices, 2020, 5, 295-307.	1.5	11
22	PCR-Free Detection of Long Non-Coding HOTAIR RNA in Ovarian Cancer Cell Lines and Plasma Samples. Cancers, 2020, 12, 2233.	1.7	12
23	Engineering Micropatterned Surfaces for Controlling the Evaporation Process of Sessile Droplets. Technologies, 2020, 8, 29.	3.0	3
24	Nanozyme-based electrochemical biosensors for disease biomarker detection. Analyst, The, 2020, 145, 4398-4420.	1.7	121
25	A microfluidic concentration gradient generator for simultaneous delivery of two reagents on a millimeter-sized sample. Journal of Flow Chemistry, 2020, 10, 615-625.	1.2	6
26	Rapid Softlithography Using 3Dâ€Printed Molds. Advanced Materials Technologies, 2019, 4, 1900425.	3.0	51
27	Microfluidics: Rapid Softlithography Using 3Dâ€Printed Molds (Adv. Mater. Technol. 10/2019). Advanced Materials Technologies, 2019, 4, 1970056.	3.0	0
28	Three-Dimensional Modeling of Avascular Tumor Growth in Both Static and Dynamic Culture Platforms. Micromachines, 2019, 10, 580.	1.4	17
29	Novel approaches in cancer management with circulating tumor cell clusters. Journal of Science: Advanced Materials and Devices, 2019, 4, 1-18.	1.5	41
30	Autoantibodies as diagnostic and prognostic cancer biomarker: Detection techniques and approaches. Biosensors and Bioelectronics, 2019, 139, 111315.	5.3	53
31	Effects of magnetic nanoparticles on mixing in droplet-based microfluidics. Physics of Fluids, 2019, 31, .	1.6	45
32	Acknowledgement to Reviewers of Fluids in 2018. Fluids, 2019, 4, 9.	0.8	0
33	A new non-dimensional parameter to obtain the minimum mixing length in tree-like concentration gradient generators. Chemical Engineering Science, 2019, 195, 120-126.	1.9	22
34	Microfluidics for Porous Systems: Fabrication, Microscopy and Applications. Transport in Porous Media, 2019, 130, 277-304.	1.2	43
35	Spheroids-on-a-chip: Recent advances and design considerations in microfluidic platforms for spheroid formation and culture. Sensors and Actuators B: Chemical, 2018, 263, 151-176.	4.0	175
36	Advances in Microfluidicsâ€Based Assisted Reproductive Technology: From Sperm Sorter to Reproductive Systemâ€onâ€aâ€Chip. Advanced Biology, 2018, 2, 1700197.	3.0	64

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37	Challenge in particle delivery to cells in a microfluidic device. Drug Delivery and Translational Research, 2018, 8, 830-842.	3.0	21
38	A high-performance polydimethylsiloxane electrospun membrane for cell culture in lab-on-a-chip. Biomicrofluidics, 2018, 12, 024117.	1.2	19
39	Cryoprotectant-Free Freezing of Cells Using Liquid Marbles Filled with Hydrogel. ACS Applied Materials & Interfaces, 2018, 10, 43439-43449.	4.0	23
40	Prediction of Necrotic Core and Hypoxic Zone of Multicellular Spheroids in a Microbioreactor with a U-Shaped Barrier. Micromachines, 2018, 9, 94.	1.4	52
41	Inventions and Innovations in Preclinical Platforms for Cancer Research. Inventions, 2018, 3, 43.	1.3	10
42	An Onâ€€Chip SiC MEMS Device with Integrated Heating, Sensing, and Microfluidic Cooling Systems. Advanced Materials Interfaces, 2018, 5, 1800764.	1.9	41
43	Fabrication and characterization of low-cost, bead-free, durable and hydrophobic electrospun membrane for 3D cell culture. Biomedical Microdevices, 2017, 19, 74.	1.4	30
44	Recent Advances and Future Perspectives on Microfluidic Liquid Handling. Micromachines, 2017, 8, 186.	1.4	131
45	Numerical Simulation of the Behavior of Toroidal and Spheroidal Multicellular Aggregates in Microfluidic Devices with Microwell and U-Shaped Barrier. Micromachines, 2017, 8, 358.	1.4	21
46	Organ-Tumor-on-a-Chip for Chemosensitivity Assay: A Critical Review. Micromachines, 2016, 7, 130.	1.4	67
47	The three-phase contact line shape and eccentricity effect of anisotropic wetting on hydrophobic surfaces. Soft Matter, 2013, 9, 527-535.	1.2	18
48	Design, fabrication and characterization of drug delivery systems based on lab-on-a-chip technology. Advanced Drug Delivery Reviews, 2013, 65, 1403-1419.	6.6	173
49	Corrigendum â€œTemperature control of a cabin in an automobile using thermal modeling and fuzzy controllerâ€•[Applied Energy 97 (2) (2012) 860â€“868]. Applied Energy, 2013, 103, 721.	5.1	2
50	Analytical Modeling of Slip Flow in Parallel-plate Microchannels. Micro and Nanosystems, 2013, 5, 245-252.	0.3	8
51	Eccentricity effects of microhole arrays on drag reduction efficiency of microchannels with a hydrophobic wall. Physics of Fluids, 2012, 24, .	1.6	31
52	Eccentricity Effect of Micropatterned Surface on Contact Angle. Langmuir, 2012, 28, 4793-4799.	1.6	43
53	Fluid Mechanics of Flow Through Rectangular Hydrophobic Microchannels. , 2011, , .		6