Mehdi Mohammadi

List of Publications by Year
in descending order

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49 papers	1,695 citations	279701 23 h-index	302012 39 g-index
49 all docs	49 docs citations	49 times ranked	2114 citing authors

#	Article	IF	Citations
1	Circulating glucagon-like peptide-1 level in patients with liver cirrhosis. Archives of Physiology and Biochemistry, 2023, 129, 373-378.	1.0	4
2	Novel induced charge electrokinetic based microfluidic design for trapping of micro and nanoparticles: Numerical simulation approach. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2022, 35, e2972.	1.2	3
3	Effectiveness of COVID-19 Vaccines against Delta (B.1.617.2) Variant: A Systematic Review and Meta-Analysis of Clinical Studies. Vaccines, 2022, 10, 23.	2.1	37
4	Association of pediatric COVIDâ€19 and subarachnoid hemorrhage. Journal of Medical Virology, 2021, 93, 658-660.	2.5	11
5	An overview on micropumps, micromixers, and their applications in bioprocess. , 2021, , 365-386.		3
6	Clinical characteristics and outcomes of pregnant women with COVIDâ€19 and comparison with control patients: A systematic review and metaâ€analysis. Reviews in Medical Virology, 2021, 31, 1-16.	3.9	170
7	Microfluidic devices and their bioprocess applications. , 2021, , 329-347.		0
8	Potential role of glycoprotein 340 in milder SARS-CoV-2 infection in children. Expert Review of Anti-Infective Therapy, 2021, 19, 675-677.	2.0	3
9	Thermal droplet microfluidics: From biology to cooling technology. TrAC - Trends in Analytical Chemistry, 2021, 138, 116234.	5.8	21
10	Efficacy and Safety of COVID-19 Vaccines: A Systematic Review and Meta-Analysis of Randomized Clinical Trials. Vaccines, 2021, 9, 467.	2.1	228
11	Emerging technologies and commercial products in exosome-based cancer diagnosis and prognosis. Biosensors and Bioelectronics, 2021, 183, 113176.	5.3	49
12	Effect of liquid cooling on PCR performance with the parametric study of cross-section shapes of microchannels. Scientific Reports, 2021, 11, 16072.	1.6	9
13	Manipulation of microâ€and nanoparticles in viscoelastic fluid flows within microfluid systems. Biotechnology and Bioengineering, 2020, 117, 580-592.	1.7	24
14	Magnetic particle targeting for diagnosis and therapy of lung cancers. Journal of Controlled Release, 2020, 328, 776-791.	4.8	53
15	Picoliter agar droplet breakup in microfluidics meets microbiology application: numerical and experimental approaches. Lab on A Chip, 2020, 20, 2175-2187.	3.1	9
16	Functionalized multiscale visual models to unravel flow and transport physics in porous structures. Water Research, 2020, 175, 115676.	5.3	22
17	The Clinical Effect of Electroconvulsive Therapy and Its Relationship with Serum Levels of MMP-9 and CXCL12 in Patients with Mania . Neuropsychiatric Disease and Treatment, 2020, Volume 16, 909-914.	1.0	0
18	Induced-charge electrokinetics in microfluidics: a review on recent advancements. Journal of Micromechanics and Microengineering, 2020, 30, 113001.	1.5	18

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19	Hydrogen Peroxide Preconditioning Promotes Protective Effects of Umbilical Cord Vein Mesenchymal Stem Cells in Experimental Pulmonary Fibrosis. Advanced Pharmaceutical Bulletin, 2020, 10, 72-80.	0.6	17
20	Reproducible and Scalable Generation of Multilayer Nanocomposite Constructs for Ultrasensitive Nanobiosensing. Advanced Materials Technologies, 2019, 4, 1900478.	3.0	15
21	Realâ€time monitoring of Escherichia coli concentration with planar microwave resonator sensor. Microwave and Optical Technology Letters, 2019, 61, 2534-2539.	0.9	29
22	Dynamics of temperature-actuated droplets within microfluidics. Scientific Reports, 2019, 9, 3832.	1.6	31
23	Magnetic aerosol drug targeting in lung cancer therapy using permanent magnet. Drug Delivery, 2019, 26, 120-128.	2.5	37
24	Electrohydrodynamic formation of single and double emulsions for low interfacial tension multiphase systems within microfluidics. Chemical Engineering Science, 2019, 195, 201-207.	1.9	26
25	Translational models of tumor angiogenesis: A nexus of in silico and in vitro models. Biotechnology Advances, 2018, 36, 880-893.	6.0	39
26	Magnetically assisted intraperitoneal drug delivery for cancer chemotherapy. Drug Delivery, 2018, 25, 846-861.	2.5	71
27	Mesenchymal Stem Cell Therapy for Ischemic Tissues. Stem Cells International, 2018, 2018, 1-11.	1.2	63
28	Sensitive, Real-time and Non-Intrusive Detection of Concentration and Growth of Pathogenic Bacteria using Microfluidic-Microwave Ring Resonator Biosensor. Scientific Reports, 2018, 8, 15807.	1.6	119
29	Delivery of magnetic micro/nanoparticles and magnetic-based drug/cargo into arterial flow for targeted therapy. Drug Delivery, 2018, 25, 1963-1973.	2.5	86
30	Filterâ€based isolation, enrichment, and characterization of circulating tumor cells. Biotechnology and Bioengineering, 2018, 115, 2504-2529.	1.7	52
31	Numerical and experimental study on electric field driven coalescence of binary falling droplets in oil. Separation and Purification Technology, 2017, 176, 262-276.	3.9	27
32	The effects of hyperthermia on the immunomodulatory properties of human umbilical cord vein mesenchymal stem cells (MSCs). International Journal of Hyperthermia, 2017, 33, 1-8.	1.1	7
33	The attenuating effect of aqueous extract of licorice on bleomycin-induced pulmonary fibrosis in mice. Food and Agricultural Immunology, 2017, 28, 67-77.	0.7	6
34	Attenuating Effect of Long-term Culture of Umbilical Cord Vein Mesenchymal Stromal Cells on Pulmonary Fibrosis in C57BL/6 Mice. Iranian Journal of Allergy, Asthma and Immunology, 2017, 16, 501-510.	0.3	3
35	An optimised mouse model of chronic pancreatitis with a combination of ethanol and cerulein. Central-European Journal of Immunology, 2016, 1, 54-63.	0.4	14
36	Electroosmotic micropump for labâ€onâ€aâ€chip biomedical applications. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2016, 29, 845-858.	1.2	40

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37	Automation of Silica Bead-based Nucleic Acid Extraction on a Centrifugal Lab-on-a-Disc Platform. Journal of Physics: Conference Series, 2016, 757, 012013.	0.3	10
38	A new approach to design an efficient micropost array for enhanced direct-current insulator-based dielectrophoretic trapping. Analytical and Bioanalytical Chemistry, 2016, 408, 5285-5294.	1.9	26
39	Microfluidic point-of-care blood panel based on a novel technique: Reversible electroosmotic flow. Biomicrofluidics, 2015, 9, 054106.	1.2	38
40	Self-driven filter-based blood plasma separator microfluidic chip for point-of-care testing. Biofabrication, 2015, 7, 025007.	3.7	50
41	Hydrodynamic and direct-current insulator-based dielectrophoresis (H-DC-iDEP) microfluidic blood plasma separation. Analytical and Bioanalytical Chemistry, 2015, 407, 4733-4744.	1.9	71
42	Glycyrrhizin down-regulates CCL2 and CXCL2 expression in cerulein-stimulated pancreatic acinar cells. American Journal of Clinical and Experimental Immunology, 2015, 4, 1-6.	0.2	5
43	Electrocoalescence of binary water droplets falling in oil: Experimental study. Chemical Engineering Research and Design, 2014, 92, 2694-2704.	2.7	33
44	Numerical Study of the Collision and Coalescence of Water Droplets in an Electric Field. Chemical Engineering and Technology, 2014, 37, 27-35.	0.9	24
45	Numerical prediction of the electrical waveform effect on electrocoalescence kinetic. Chemical Engineering Research and Design, 2013, 91, 904-918.	2.7	21
46	A novel fabrication technique to minimize poly(dimethylsiloxane)â€microchannels deformation under highâ€pressure operation. Electrophoresis, 2013, 34, 3126-3132.	1.3	13
47	Direct numerical simulation of water droplet coalescence in the oil. International Journal of Heat and Fluid Flow, 2012, 36, 58-71.	1.1	54
48	Effect of compression point load on the path and life of fatigue crack growth in mixed mode loading. Transactions of the Indian Institute of Metals, 2010, 63, 517-522.	0.7	1
49	Effective Parameters on Increasing Efficiency of Microscale Heat Sinks and Application of Liquid Cooling in Real Life. , 0, , .		3