

# Mehdi Mohammadi

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Efficacy and Safety of COVID-19 Vaccines: A Systematic Review and Meta-Analysis of Randomized Clinical Trials. <i>Vaccines</i> , 2021, 9, 467.	2.1	228
2	Clinical characteristics and outcomes of pregnant women with COVID-19 and comparison with control patients: A systematic review and meta-analysis. <i>Reviews in Medical Virology</i> , 2021, 31, 1-16.	3.9	170
3	Sensitive, Real-time and Non-Intrusive Detection of Concentration and Growth of Pathogenic Bacteria using Microfluidic-Microwave Ring Resonator Biosensor. <i>Scientific Reports</i> , 2018, 8, 15807.	1.6	119
4	Delivery of magnetic micro/nanoparticles and magnetic-based drug/cargo into arterial flow for targeted therapy. <i>Drug Delivery</i> , 2018, 25, 1963-1973.	2.5	86
5	Hydrodynamic and direct-current insulator-based dielectrophoresis (H-DC-iDEP) microfluidic blood plasma separation. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 4733-4744.	1.9	71
6	Magnetically assisted intraperitoneal drug delivery for cancer chemotherapy. <i>Drug Delivery</i> , 2018, 25, 846-861.	2.5	71
7	Mesenchymal Stem Cell Therapy for Ischemic Tissues. <i>Stem Cells International</i> , 2018, 2018, 1-11.	1.2	63
8	Direct numerical simulation of water droplet coalescence in the oil. <i>International Journal of Heat and Fluid Flow</i> , 2012, 36, 58-71.	1.1	54
9	Magnetic particle targeting for diagnosis and therapy of lung cancers. <i>Journal of Controlled Release</i> , 2020, 328, 776-791.	4.8	53
10	Filter-based isolation, enrichment, and characterization of circulating tumor cells. <i>Biotechnology and Bioengineering</i> , 2018, 115, 2504-2529.	1.7	52
11	Self-driven filter-based blood plasma separator microfluidic chip for point-of-care testing. <i>Biofabrication</i> , 2015, 7, 025007.	3.7	50
12	Emerging technologies and commercial products in exosome-based cancer diagnosis and prognosis. <i>Biosensors and Bioelectronics</i> , 2021, 183, 113176.	5.3	49
13	Electroosmotic micropump for lab-on-a-chip biomedical applications. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2016, 29, 845-858.	1.2	40
14	Translational models of tumor angiogenesis: A nexus of in silico and in vitro models. <i>Biotechnology Advances</i> , 2018, 36, 880-893.	6.0	39
15	Microfluidic point-of-care blood panel based on a novel technique: Reversible electroosmotic flow. <i>Biomicrofluidics</i> , 2015, 9, 054106.	1.2	38
16	Magnetic aerosol drug targeting in lung cancer therapy using permanent magnet. <i>Drug Delivery</i> , 2019, 26, 120-128.	2.5	37
17	Effectiveness of COVID-19 Vaccines against Delta (B.1.617.2) Variant: A Systematic Review and Meta-Analysis of Clinical Studies. <i>Vaccines</i> , 2022, 10, 23.	2.1	37
18	Electrocoalescence of binary water droplets falling in oil: Experimental study. <i>Chemical Engineering Research and Design</i> , 2014, 92, 2694-2704.	2.7	33

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19	Dynamics of temperature-actuated droplets within microfluidics. <i>Scientific Reports</i> , 2019, 9, 3832.	1.6	31
20	Real-time monitoring of <i>Escherichia coli</i> concentration with planar microwave resonator sensor. <i>Microwave and Optical Technology Letters</i> , 2019, 61, 2534-2539.	0.9	29
21	Numerical and experimental study on electric field driven coalescence of binary falling droplets in oil. <i>Separation and Purification Technology</i> , 2017, 176, 262-276.	3.9	27
22	A new approach to design an efficient micropost array for enhanced direct-current insulator-based dielectrophoretic trapping. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 5285-5294.	1.9	26
23	Electrohydrodynamic formation of single and double emulsions for low interfacial tension multiphase systems within microfluidics. <i>Chemical Engineering Science</i> , 2019, 195, 201-207.	1.9	26
24	Numerical Study of the Collision and Coalescence of Water Droplets in an Electric Field. <i>Chemical Engineering and Technology</i> , 2014, 37, 27-35.	0.9	24
25	Manipulation of micro- and nanoparticles in viscoelastic fluid flows within microfluid systems. <i>Biotechnology and Bioengineering</i> , 2020, 117, 580-592.	1.7	24
26	Functionalized multiscale visual models to unravel flow and transport physics in porous structures. <i>Water Research</i> , 2020, 175, 115676.	5.3	22
27	Numerical prediction of the electrical waveform effect on electrocoalescence kinetic. <i>Chemical Engineering Research and Design</i> , 2013, 91, 904-918.	2.7	21
28	Thermal droplet microfluidics: From biology to cooling technology. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 138, 116234.	5.8	21
29	Induced-charge electrokinetics in microfluidics: a review on recent advancements. <i>Journal of Micromechanics and Microengineering</i> , 2020, 30, 113001.	1.5	18
30	Hydrogen Peroxide Preconditioning Promotes Protective Effects of Umbilical Cord Vein Mesenchymal Stem Cells in Experimental Pulmonary Fibrosis. <i>Advanced Pharmaceutical Bulletin</i> , 2020, 10, 72-80.	0.6	17
31	Reproducible and Scalable Generation of Multilayer Nanocomposite Constructs for Ultrasensitive Nanobiosensing. <i>Advanced Materials Technologies</i> , 2019, 4, 1900478.	3.0	15
32	An optimised mouse model of chronic pancreatitis with a combination of ethanol and cerulein. <i>Central-European Journal of Immunology</i> , 2016, 1, 54-63.	0.4	14
33	A novel fabrication technique to minimize poly(dimethylsiloxane) microchannels deformation under high-pressure operation. <i>Electrophoresis</i> , 2013, 34, 3126-3132.	1.3	13
34	Association of pediatric COVID-19 and subarachnoid hemorrhage. <i>Journal of Medical Virology</i> , 2021, 93, 658-660.	2.5	11
35	Automation of Silica Bead-based Nucleic Acid Extraction on a Centrifugal Lab-on-a-Disc Platform. <i>Journal of Physics: Conference Series</i> , 2016, 757, 012013.	0.3	10
36	Picoliter agar droplet breakup in microfluidics meets microbiology application: numerical and experimental approaches. <i>Lab on A Chip</i> , 2020, 20, 2175-2187.	3.1	9

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37	Effect of liquid cooling on PCR performance with the parametric study of cross-section shapes of microchannels. <i>Scientific Reports</i> , 2021, 11, 16072.	1.6	9
38	The effects of hyperthermia on the immunomodulatory properties of human umbilical cord vein mesenchymal stem cells (MSCs). <i>International Journal of Hyperthermia</i> , 2017, 33, 1-8.	1.1	7
39	The attenuating effect of aqueous extract of licorice on bleomycin-induced pulmonary fibrosis in mice. <i>Food and Agricultural Immunology</i> , 2017, 28, 67-77.	0.7	6
40	Glycyrrhizin down-regulates CCL2 and CXCL2 expression in cerulein-stimulated pancreatic acinar cells. <i>American Journal of Clinical and Experimental Immunology</i> , 2015, 4, 1-6.	0.2	5
41	Circulating glucagon-like peptide-1 level in patients with liver cirrhosis. <i>Archives of Physiology and Biochemistry</i> , 2023, 129, 373-378.	1.0	4
42	An overview on micropumps, micromixers, and their applications in bioprocess. , 2021, , 365-386.		3
43	Potential role of glycoprotein 340 in milder SARS-CoV-2 infection in children. <i>Expert Review of Anti-Infective Therapy</i> , 2021, 19, 675-677.	2.0	3
44	Effective Parameters on Increasing Efficiency of Microscale Heat Sinks and Application of Liquid Cooling in Real Life. , 0, , .		3
45	Novel induced charge electrokinetic based microfluidic design for trapping of micro and nanoparticles: Numerical simulation approach. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2022, 35, e2972.	1.2	3
46	Attenuating Effect of Long-term Culture of Umbilical Cord Vein Mesenchymal Stromal Cells on Pulmonary Fibrosis in C57BL/6 Mice. <i>Iranian Journal of Allergy, Asthma and Immunology</i> , 2017, 16, 501-510.	0.3	3
47	Effect of compression point load on the path and life of fatigue crack growth in mixed mode loading. <i>Transactions of the Indian Institute of Metals</i> , 2010, 63, 517-522.	0.7	1
48	<p>The Clinical Effect of Electroconvulsive Therapy and Its Relationship with Serum Levels of MMP-9 and CXCL12 in Patients with Mania</p>. <i>Neuropsychiatric Disease and Treatment</i> , 2020, Volume 16, 909-914.	1.0	0
49	Microfluidic devices and their bioprocess applications. , 2021, , 329-347.		0