

# Mohammad Mastiani

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

430  
citations

759233

12  
h-index

1058476

14  
g-index

14  
all docs

14  
docs citations

14  
times ranked

575  
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical study of the melting of nano-enhanced phase change material in a square cavity. Journal of Zhejiang University: Science A, 2013, 14, 307-316.	2.4	87
2	Performance evaluation of environmentally benign nonionic biosurfactant for enhanced oil recovery. Fuel, 2018, 234, 48-55.	6.4	61
3	Microscale thermometry: A review. Microelectronic Engineering, 2015, 148, 129-142.	2.4	46
4	Flow regime mapping of aqueous two-phase system droplets in flow-focusing geometries. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 531, 111-120.	4.7	43
5	Polymer-Salt Aqueous Two-Phase System (ATPS) Micro-Droplets for Cell Encapsulation. Scientific Reports, 2019, 9, 15561.	3.3	34
6	Numerical simulation of high inertial liquid-in-gas droplet in a T-junction microchannel. RSC Advances, 2017, 7, 48512-48525.	3.6	29
7	High-Throughput Aqueous Two-Phase System Droplet Generation by Oil-Free Passive Microfluidics. ACS Omega, 2018, 3, 9296-9302.	3.5	25
8	Density maximum effects on mixed convection in a square lid-driven enclosure filled with Cu-water nanofluids. Advanced Powder Technology, 2017, 28, 197-214.	4.1	20
9	Numerical analysis of melting of nano-enhanced phase change material in latent heat thermal energy storage system. Thermal Science, 2014, 18, 335-345.	1.1	19
10	Numerical study of melting in an annular enclosure filled with nano-enhanced phase change material. Thermal Science, 2015, 19, 1067-1076.	1.1	19
11	Microbubbles Loaded with Nickel Nanoparticles: A Perspective for Carbon Sequestration. Analytical Chemistry, 2017, 89, 10827-10833.	6.5	15
12	Injection of in-situ generated CO <sub>2</sub> microbubbles into deep saline aquifers for enhanced carbon sequestration. International Journal of Greenhouse Gas Control, 2019, 83, 256-264.	4.6	15
13	High inertial microfluidics for droplet generation in a flow-focusing geometry. Biomedical Microdevices, 2019, 21, 50.	2.8	12
14	Melting of a phase change material in a horizontal annulus with discrete heat sources. Thermal Science, 2015, 19, 1733-1745.	1.1	5