

# Mohammed Asfer

## List of Publications by Year in descending order

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15  
papers

282  
citations

840776

11  
h-index

1058476

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

372  
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic field driven actuation of sessile ferrofluid droplets in the presence of a time dependent magnetic field. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 586, 124116.	4.7	24
2	Dynamics of a single isolated ferrofluid plug inside a micro-capillary in the presence of externally applied magnetic field. <i>Experiments in Fluids</i> , 2020, 61, 1.	2.4	15
3	Doxorubicin loaded carboxymethyl Assam bora rice starch coated superparamagnetic iron oxide nanoparticles as potential antitumor cargo. <i>Heliyon</i> , 2019, 5, e01955.	3.2	17
4	Exploring Heat Transfer Characteristics of Ferrofluid in the Presence of Magnetic Field for Cooling of Solar Photovoltaic Systems. <i>Journal of Thermal Science and Engineering Applications</i> , 2019, 11, .	1.5	10
5	Carboxymethyl Assam Bora rice starch coated SPIONs: Synthesis, characterization and in vitro localization in a micro capillary for simulating a targeted drug delivery system. <i>International Journal of Biological Macromolecules</i> , 2018, 115, 920-932.	7.5	12
6	Retention of ferrofluid aggregates at the target site during magnetic drug targeting. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 436, 47-56.	2.3	16
7	Oscillation of an isolated liquid plug inside a dry capillary. <i>Heat and Mass Transfer</i> , 2017, 53, 3353-3362.	2.1	11
8	Chondroitin sulfate-capped super-paramagnetic iron oxide nanoparticles as potential carriers of doxorubicin hydrochloride. <i>Carbohydrate Polymers</i> , 2016, 151, 546-556.	10.2	31
9	Two-fluid mixing inside a sessile micro droplet using magnetic beads actuation. <i>Sensors and Actuators A: Physical</i> , 2016, 244, 112-120.	4.1	12
10	Effect of magnetic field on laminar convective heat transfer characteristics of ferrofluid flowing through a circular stainless steel tube. <i>International Journal of Heat and Fluid Flow</i> , 2016, 59, 74-86.	2.4	68
11	Visualization and Motion of Curcumin Loaded Iron Oxide Nanoparticles During Magnetic Drug Targeting. <i>Journal of Nanotechnology in Engineering and Medicine</i> , 2015, 6, .	0.8	11
12	Rhodamine-loaded, cross-linked, carboxymethyl cellulose sodium-coated super-paramagnetic iron oxide nanoparticles: Development and in vitro localization study for magnetic drug-targeting applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 481, 51-62.	4.7	21
13	Synthesis and in vitro localization study of curcumin-loaded SPIONs in a micro capillary for simulating a targeted drug delivery system. <i>International Journal of Pharmaceutics</i> , 2014, 468, 158-164.	5.2	16
14	Passive Vibration Damping Using Polymer Pads With Microchannel Arrays. <i>Journal of Microelectromechanical Systems</i> , 2013, 22, 695-707.	2.5	18
15	Micro-PIV Study of Flow Inside Micro Channel With Surface Mounted Repeated Transverse Ribs. , 2008, , .		0