

# Jian-feng Zhou

## List of Publications by Year in descending order

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20  
papers

156  
citations

1307594

7  
h-index

1281871

11  
g-index

20  
all docs

20  
docs citations

20  
times ranked

150  
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of the Effectiveness of the RVEs for Random Short Fiber Reinforced Elastomer Composites. <i>Fibers and Polymers</i> , 2019, 20, 1467-1479.	2.1	21
2	Effective recovery of oil slick using the prepared high hydrophobic and oleophilic Fe <sub>3</sub> O <sub>4</sub> magnetorheological fluid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 591, 124531.	4.7	19
3	Numerical investigation on yielding phenomena of magnetorheological fluid flowing through microchannel governed by transverse magnetic field. <i>Physics of Fluids</i> , 2019, 31, .	4.0	15
4	Effect of alternating gradient magnetic field on heat transfer enhancement of magnetoreological fluid flowing through microchannel. <i>Applied Thermal Engineering</i> , 2019, 150, 1116-1125.	6.0	14
5	Frictional heat transfer regularity of the fluid film in mechanical seals. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 611-623.	0.9	12
6	Experimental Investigation of the Full Flow Field in a Molten Salt Pump by Particle Image Velocimetry. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2015, 137, .	1.5	10
7	Superhydrophobic Fe <sub>3</sub> O <sub>4</sub> /OA Magnetorheological Fluid for Removing Oil Slick from Water Surfaces Effectively and Quickly. <i>ACS Omega</i> , 2020, 5, 27425-27432.	3.5	10
8	Effect of viscosity on the external characteristics and flow field of a molten salt pump in the view of energy loss. <i>Heat and Mass Transfer</i> , 2019, 55, 711-722.	2.1	9
9	Boundary velocity slip of pressure driven liquid flow in a micron pipe. <i>Science Bulletin</i> , 2011, 56, 1603-1610.	1.7	8
10	Flow and heat transfer performances of dilute magnetorheological fluid flowing through hot micro channel. <i>International Journal of Heat and Mass Transfer</i> , 2017, 107, 1035-1043.	4.8	7
11	Semi-numerical analysis of heat transfer performance of fractal based tube bundle in shell-and-tube heat exchanger. <i>International Journal of Heat and Mass Transfer</i> , 2015, 84, 282-292.	4.8	6
12	Tensionâ€™Compression Asymmetry of Commercially Pure Titanium: Strain Rate Sensitivity and Microstructure Evolution. <i>Jom</i> , 2019, 71, 2280-2290.	1.9	6
13	Length Measurement of Chain-Like Structure of Micron Magnetic Particles Dispersing in Carrier Fluid Effected by Magnetic Field. <i>Journal of Superconductivity and Novel Magnetism</i> , 2021, 34, 805-816.	1.8	5
14	Study on gasâ€™liquid two-phase flow in the suction chamber of a centrifugal pump and its dimensionless characteristics. <i>Nuclear Engineering and Design</i> , 2021, 380, 111298.	1.7	4
15	Study on the prediction method and the flow characteristics of gas-liquid two-phase flow patterns in the suction chamber. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2022, 32, 2700-2718.	2.8	4
16	Aggregation and flow behavior of magnetic particles in microchannel flow governed by a transverse magnetic field. <i>Journal of Physics Communications</i> , 2018, 2, 085022.	1.2	2
17	Development of the RSA method for random short fiber reinforced elastomer composites with large fiber aspect ratios. <i>Materials Research Express</i> , 2019, 6, 065322.	1.6	2
18	Study of motion behavior of the chains composed of micro-sized magnetic particles through a microchannel. <i>AIP Advances</i> , 2020, 10, 015237.	1.3	2

#	ARTICLE	IF	CITATIONS
19	Molecular group dynamics study on slip flow of thin fluid film based on the Hamaker hypotheses. Science China Technological Sciences, 2010, 53, 1833-1838.	4.0	0
20	Fundamental motion characteristics and manipulation of ferromagnetic fluid droplet in a channel flow under external magnetic field. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	0