

# Zhaohui Yao

## List of Publications by Year in descending order

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16  
papers

327  
citations

1040056

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996975

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16  
docs citations

16  
times ranked

370  
citing authors

#	ARTICLE	IF	CITATIONS
1	Condensation and jumping relay of droplets on lotus leaf. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	130
2	Mechanisms of drag reduction of superhydrophobic surfaces in a turbulent boundary layer flow. <i>Experiments in Fluids</i> , 2015, 56, 1.	2.4	52
3	Drag reductions and the air-water interface stability of superhydrophobic surfaces in rectangular channel flow. <i>Physical Review E</i> , 2016, 94, 053117.	2.1	26
4	Drag reduction in ultrahydrophobic channels with micro-nano structured surfaces. <i>Science China: Physics, Mechanics and Astronomy</i> , 2010, 53, 1298-1305.	5.1	23
5	Adsorption properties of albumin and fibrinogen on hydrophilic/hydrophobic TiO <sub>2</sub> surfaces: A molecular dynamics study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 207, 111994.	5.0	15
6	Evolutions of hairpin vortexes over a superhydrophobic surface in turbulent boundary layer flow. <i>Physics of Fluids</i> , 2016, 28, .	4.0	14
7	Experimental and computational studies on the flow fields in aortic aneurysms associated with deployment of AAA stent-grafts. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2007, 23, 495-501.	3.4	12
8	Formation and evolution of air-water interfaces between hydrophilic structures in a microchannel. <i>Microfluidics and Nanofluidics</i> , 2017, 21, 1.	2.2	11
9	Wetting property of smooth and textured hydrophobic surfaces under condensation condition. <i>Science China: Physics, Mechanics and Astronomy</i> , 2014, 57, 2127-2132.	5.1	10
10	Study of dynamic hydrophobicity of micro-structured hydrophobic surfaces and lotus leaves. <i>Science China: Physics, Mechanics and Astronomy</i> , 2011, 54, 675-682.	5.1	9
11	Cut-corner prism piezoelectric energy harvester based on galloping enhancement mechanism. <i>Energy Reports</i> , 2021, 7, 6366-6374.	5.1	8
12	Molecular dynamics simulations of BSA absorptions on pure and formate-contaminated rutile (1 1 0) surface. <i>Applied Surface Science</i> , 2020, 533, 147574.	6.1	7
13	Effect of contact angles on dynamical characteristics of the annular focused jet between parallel plates. <i>Physics of Fluids</i> , 2022, 34, .	4.0	5
14	Numerical investigation of polygonal particle separation in microfluidic channels. <i>Microfluidics and Nanofluidics</i> , 2016, 20, 1.	2.2	4
15	Mechanical behavior of pathological and normal red blood cells in microvascular flow based on modified level-set method. <i>Science China: Physics, Mechanics and Astronomy</i> , 2016, 59, 1.	5.1	1
16	Investigation of butterfly check valve with optimum closing performance. <i>Proceedings of the JFPS International Symposium on Fluid Power</i> , 1993, 1993, 453-458.	0.1	0