

Xiang Wang

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

407
citations

933447

10
h-index

888059

17
g-index

24
all docs

24
docs citations

24
times ranked

427
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of droplet breakup in unilateral Y-junctions with different angles. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 112, 46-57.	5.8	10
2	Experimental and theoretical studies on neck thinning dynamics of droplets in cross junction microchannels. <i>Experimental Thermal and Fluid Science</i> , 2022, 139, 110739.	2.7	10
3	Lattice Boltzmann simulation of phase change and heat transfer characteristics in the multi-layer deposition. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2021, 42, 553-566.	3.6	6
4	Droplet behavior and its effects on flow characteristics in T-junction microchannels. <i>Physics of Fluids</i> , 2021, 33, .	4.0	11
5	Flow regimes of the immiscible liquids within a rectangular microchannel. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2021, 37, 1544-1556.	3.4	6
6	Impact of flow feedback on bubble generation in T-junction microchannels under pressure-driven condition. <i>Chemical Engineering Science</i> , 2021, 246, 117010.	3.8	11
7	Breakup regimes of double emulsion droplets in a microfluidic Y-junction. <i>Physics of Fluids</i> , 2021, 33, .	4.0	17
8	Droplets generation under different flow rates in T-junction microchannel with a neck. <i>AIChE Journal</i> , 2020, 66, e16290.	3.6	21
9	Collision characteristics of droplet pairs with the presence of arriving distance differences. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 69, 225-232.	5.8	2
10	Breakup dynamics of droplets in an asymmetric bifurcation by $\hat{1}/4$ PIV and theoretical investigations. <i>Chemical Engineering Science</i> , 2019, 197, 258-268.	3.8	28
11	Trapping a moving droplet train by bubble guidance in microfluidic networks. <i>RSC Advances</i> , 2018, 8, 8787-8794.	3.6	4
12	Study of droplet flow in a T-shape microchannel with bottom wall fluctuation. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2018, 34, 632-643.	3.4	6
13	Generation of droplets in the T-junction with a constriction microchannel. <i>Microfluidics and Nanofluidics</i> , 2018, 22, 1.	2.2	16
14	Droplet breakup in an asymmetric bifurcation with two angled branches. <i>Chemical Engineering Science</i> , 2018, 188, 11-17.	3.8	42
15	Concentration gradient generation methods based on microfluidic systems. <i>RSC Advances</i> , 2017, 7, 29966-29984.	3.6	150
16	Micro-PIV investigation of the internal flow transitions inside droplets traveling in a rectangular microchannel. <i>Microfluidics and Nanofluidics</i> , 2017, 21, 1.	2.2	36
17	Droplet coalescence at microchannel intersection chambers with different shapes. <i>Soft Matter</i> , 2016, 12, 5797-5807.	2.7	26
18	Effects of lateral width on the performance of counter-flow vectoring nozzle in subsonic conditions. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
19	Thinning dynamics of the liquid thread at different stages in a rectangular cross junction. AICHE Journal, 0, , .	3.6	5