

# Yin Guan

## List of Publications by Year in descending order

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Version: 2024-02-01

11  
papers

172  
citations

933447

10  
h-index

1281871

11  
g-index

11  
all docs

11  
docs citations

11  
times ranked

127  
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical investigation of electrowetting-based droplet splitting in closed digital microfluidic system: Dynamics, mode, and satellite droplet. <i>Physics of Fluids</i> , 2018, 30, .	4.0	25
2	Numerical investigation of high-frequency pulsating electrohydrodynamic jet at low electric Bond numbers. <i>Physics of Fluids</i> , 2022, 34, .	4.0	21
3	Deformation, speed, and stability of droplet motion in closed electrowetting-based digital microfluidics. <i>Physics of Fluids</i> , 2019, 31, .	4.0	20
4	Numerical analysis of electrohydrodynamic jet printing under constant and step change of electric voltages. <i>Physics of Fluids</i> , 2022, 34, .	4.0	20
5	Numerical modeling of microscale droplet dispensing in parallel-plate electrowetting-on-dielectric (EWOD) devices with various reservoir designs. <i>Microfluidics and Nanofluidics</i> , 2016, 20, 1.	2.2	16
6	A numerical study of microfluidic droplet transport in a parallel-plate electrowetting-on-dielectric (EWOD) device. <i>Microfluidics and Nanofluidics</i> , 2015, 19, 1477-1495.	2.2	15
7	The post-impact dynamics of drop rebound on inclined hydrophobic surfaces of various wettabilities. <i>Physics of Fluids</i> , 2021, 33, .	4.0	14
8	A Numerical Study of Droplet Splitting and Merging in a Parallel-Plate Electrowetting-on-Dielectric Device. <i>Journal of Heat Transfer</i> , 2015, 137, .	2.1	12
9	Stripped Electrode Based Electrowetting-on-Dielectric Digital Microfluidics for Precise and Controllable Parallel Microdrop Generation. <i>Langmuir</i> , 2020, 36, 9540-9550.	3.5	12
10	Numerical investigation of continuous droplet transport in parallel-plate electrowetting-on-dielectric digital microfluidics (EWOD DMF) with stripped electrodes. <i>Physics of Fluids</i> , 2020, 32, .	4.0	12
11	Charged Satellite Drop Avoidance in Electrohydrodynamic Dripping. <i>Micromachines</i> , 2019, 10, 172.	2.9	5