

# Xue Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5428105/publications.pdf>

Version: 2024-02-01

18  
papers

179  
citations

1163117

8  
h-index

1125743

13  
g-index

19  
all docs

19  
docs citations

19  
times ranked

161  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal effects of substrate on Marangoni flow in droplet evaporation: Response surface and sensitivity analysis. <i>International Journal of Heat and Mass Transfer</i> , 2017, 113, 354-365.	4.8	37
2	Thermodynamic Behaviors of Macroscopic Liquid Droplets Evaporation from Heated Substrates. <i>Microgravity Science and Technology</i> , 2015, 27, 353-360.	1.4	23
3	Optimal design of a $\hat{1}$ 760 mm lightweight SiC mirror and the flexural mount for a space telescope. <i>Review of Scientific Instruments</i> , 2017, 88, 125107.	1.3	16
4	Linear approximation of underwater sound speed profile: Precision analysis in direct and inverse problems. <i>Applied Acoustics</i> , 2018, 140, 63-73.	3.3	14
5	A New Stitching Method for Dark-Field Surface Defects Inspection Based on Simplified Target-Tracking and Path Correction. <i>Sensors</i> , 2020, 20, 448.	3.8	10
6	Numerical simulations of sessile droplet evaporating on heated substrate. <i>European Physical Journal: Special Topics</i> , 2017, 226, 1325-1335.	2.6	9
7	Absolute and convective instabilities of a film flow down a vertical fiber subjected to a radial electric field. <i>Physical Review E</i> , 2018, 97, 013109.	2.1	9
8	Dimensionless design model for biaxial Cartwheel flexure hinges. <i>Mechanics Based Design of Structures and Machines</i> , 2018, 46, 401-409.	4.7	9
9	Effects of thermocapillarity on the dynamics of an exterior coating flow of a self-rewetting fluid. <i>International Journal of Heat and Mass Transfer</i> , 2019, 136, 692-701.	4.8	9
10	Experiments of Transient Condensation Heat Transfer on the Heat Flux Sensor. <i>Microgravity Science and Technology</i> , 2015, 27, 369-376.	1.4	7
11	The effect of thermocapillarity on the dynamics of an exterior coating film flow down a fibre subject to an axial temperature gradient. <i>International Journal of Heat and Mass Transfer</i> , 2018, 123, 718-727.	4.8	7
12	Determination of Diffusion Coefficient in Droplet Evaporation Experiment Using Response Surface Method. <i>Microgravity Science and Technology</i> , 2018, 30, 675-682.	1.4	7
13	Spreading of Annular Droplets on a Horizontal Fiber. <i>Microgravity Science and Technology</i> , 2018, 30, 143-153.	1.4	6
14	Non-coalescence of oppositely charged droplets in viscous oils. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	6
15	Investigation of flow dynamics of thin viscous films down differently shaped fibers. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	6
16	Structure and relaxor ferroelectric behavior of the novel tungsten bronze type ceramic Sr <sub>5</sub> BiTi <sub>3</sub> Nb <sub>7</sub> O <sub>30</sub> . <i>Journal of Applied Physics</i> , 2022, 131, .	2.5	4
17	Experimental study on dynamic evolution of thin film coating on vertical fibre. , 2020, , .		0
18	Investigation on the morphology of freezing droplet based on image processing method. , 2022, , .		0