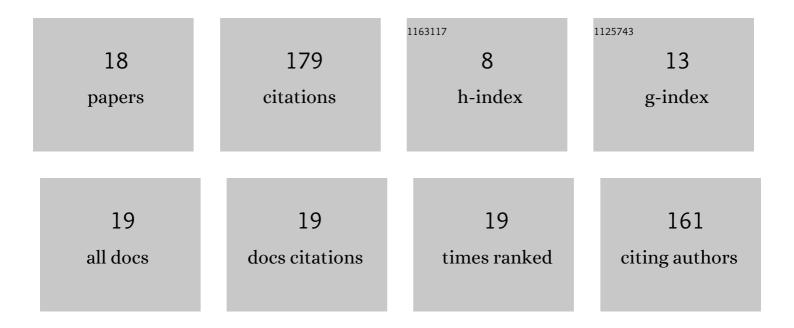
Xue Chen

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Thermal effects of substrate on Marangoni flow in droplet evaporation: Response surface and sensitivity analysis. International Journal of Heat and Mass Transfer, 2017, 113, 354-365.	4.8	37
2	Thermodynamic Behaviors of Macroscopic Liquid Droplets Evaporation from Heated Substrates. Microgravity Science and Technology, 2015, 27, 353-360.	1.4	23
3	Optimal design of a \hat{l} 760 mm lightweight SiC mirror and the flexural mount for a space telescope. Review of Scientific Instruments, 2017, 88, 125107.	1.3	16
4	Linear approximation of underwater sound speed profile: Precision analysis in direct and inverse problems. Applied Acoustics, 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. Sensors, 2020, 20, 448.	3.8	10
6	Numerical simulations of sessile droplet evaporating on heated substrate. European Physical Journal: Special Topics, 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. Physical Review E, 2018, 97, 013109.	2.1	9
8	Dimensionless design model for biaxial Cartwheel flexure hinges. Mechanics Based Design of Structures and Machines, 2018, 46, 401-409.	4.7	9
9	Effects of thermocapillarity on the dynamics of an exterior coating flow of a self-rewetting fluid. International Journal of Heat and Mass Transfer, 2019, 136, 692-701.	4.8	9
10	Experiments of Transient Condensation Heat Transfer on the Heat Flux Senor. Microgravity Science and Technology, 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. International Journal of Heat and Mass Transfer, 2018, 123, 718-727.	4.8	7
12	Determination of Diffusion Coefficient in Droplet Evaporation Experiment Using Response Surface Method. Microgravity Science and Technology, 2018, 30, 675-682.	1.4	7
13	Spreading of Annular Droplets on a Horizontal Fiber. Microgravity Science and Technology, 2018, 30, 143-153.	1.4	6
14	Non-coalescence of oppositely charged droplets in viscous oils. Applied Physics Letters, 2019, 115, .	3.3	6
15	Investigation of flow dynamics of thin viscous films down differently shaped fibers. Applied Physics Letters, 2021, 119, .	3.3	6
16	Structure and relaxor ferroelectric behavior of the novel tungsten bronze type ceramic Sr5BiTi3Nb7O30. Journal of Applied Physics, 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