

# Binita Pathak

## List of Publications by Year in descending order

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14  
papers

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citations

1163117

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1199594

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times ranked

166  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phenomenology of break-up modes in contact free externally heated nanoparticle laden fuel droplets. <i>Physics of Fluids</i> , 2016, 28, .	4.0	28
2	Deformation pathways and breakup modes in acoustically levitated bicomponent droplets under external heating. <i>Physical Review E</i> , 2016, 93, 033103.	2.1	22
3	Evaporation Dynamics of Mixed-Nanocolloidal Sessile Droplets. <i>Langmuir</i> , 2017, 33, 14123-14129.	3.5	21
4	Modeling of agglomeration inside a droplet with nanosuspensions in an acoustic field. <i>International Journal of Heat and Mass Transfer</i> , 2013, 59, 161-166.	4.8	16
5	Engineering Interfacial Processes at Mini-Micro-Nano Scales Using Sessile Droplet Architecture. <i>Langmuir</i> , 2018, 34, 8423-8442.	3.5	14
6	Phenomenology and control of buckling dynamics in multicomponent colloidal droplets. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	13
7	Controlling Self-Assembly and Topology at Micro-Nano Length Scales Using a Contact-Free Mixed Nanocolloid Droplet Architecture. <i>Langmuir</i> , 2018, 34, 5323-5333.	3.5	12
8	Modulation of Buckling Dynamics in Nanoparticle Laden Droplets Using External Heating. <i>Langmuir</i> , 2016, 32, 2591-2600.	3.5	9
9	Experimental Study of Shape Transition in an Acoustically Levitated and Externally Heated Droplet. <i>Journal of Heat Transfer</i> , 2015, 137, .	2.1	8
10	Heat and mass transfer and chemical transformation in a cerium nitrate droplet. <i>International Journal of Heat and Mass Transfer</i> , 2013, 63, 301-312.	4.8	6
11	Thermally induced phase separation in levitated polymer droplets. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 32477-32485.	2.8	3
12	Phase separation and physico-chemical processes at microscopic and macroscopic levels in MWCNT laden polymer blends using a unique droplet based architecture. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 24961-24970.	2.8	2
13	Comparison of Convective and Radiative Heating Modes on the Thermophysical Changes of a Cerium Nitrate Droplet. <i>Journal of Thermal Science and Engineering Applications</i> , 2016, 8, .	1.5	0
14	Dynamics of Droplet Break-Up. <i>Energy, Environment, and Sustainability</i> , 2018, , 369-401.	1.0	0