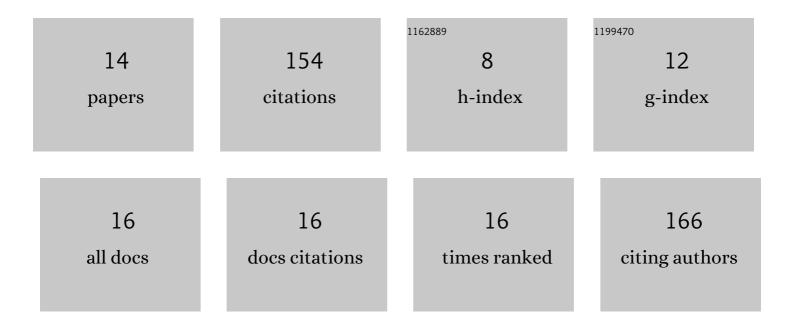
## **Binita Pathak**

List of Publications by Year in descending order

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**ΒΙΝΙΤΑ ΡΑΤΗΛΚ** 

| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Engineering Interfacial Processes at Mini-Micro-Nano Scales Using Sessile Droplet Architecture.<br>Langmuir, 2018, 34, 8423-8442.  | 1.6 | 14        |
| 2  | Controlling Self-Assembly and Topology at Micro–Nano Length Scales Using a Contact-Free Mixed<br>Nanocolloid Droplet Architecture. Langmuir, 2018, 34, 5323-5333.  | 1.6 | 12        |
| 3  | Dynamics of Droplet Break-Up. Energy, Environment, and Sustainability, 2018, , 369-401.  | 0.6 | 0         |
| 4  | Phase separation and physico-chemical processes at microscopic and macroscopic levels in MWCNT<br>laden polymer blends using a unique droplet based architecture. Physical Chemistry Chemical Physics,<br>2017, 19, 24961-24970. | 1.3 | 2         |
| 5  | Evaporation Dynamics of Mixed-Nanocolloidal Sessile Droplets. Langmuir, 2017, 33, 14123-14129.   | 1.6 | 21        |
| 6  | Thermally induced phase separation in levitated polymer droplets. Physical Chemistry Chemical Physics, 2016, 18, 32477-32485.  | 1.3 | 3         |
| 7  | Phenomenology of break-up modes in contact free externally heated nanoparticle laden fuel droplets.<br>Physics of Fluids, 2016, 28, .  | 1.6 | 28        |
| 8  | Modulation of Buckling Dynamics in Nanoparticle Laden Droplets Using External Heating. Langmuir, 2016, 32, 2591-2600.  | 1.6 | 9         |
| 9  | Deformation pathways and breakup modes in acoustically levitated bicomponent droplets under external heating. Physical Review E, 2016, 93, 033103.   | 0.8 | 22        |
| 10 | Comparison of Convective and Radiative Heating Modes on the Thermophysical Changes of a Cerium<br>Nitrate Droplet. Journal of Thermal Science and Engineering Applications, 2016, 8, .   | 0.8 | 0         |
| 11 | Experimental Study of Shape Transition in an Acoustically Levitated and Externally Heated Droplet.<br>Journal of Heat Transfer, 2015, 137, .   | 1.2 | 8         |
| 12 | Phenomenology and control of buckling dynamics in multicomponent colloidal droplets. Journal of Applied Physics, 2015, 117, .  | 1.1 | 13        |
| 13 | Modeling of agglomeration inside a droplet with nanosuspensions in an acoustic field. International<br>Journal of Heat and Mass Transfer, 2013, 59, 161-166.   | 2.5 | 16        |
| 14 | Heat and mass transfer and chemical transformation in a cerium nitrate droplet. International<br>Journal of Heat and Mass Transfer, 2013, 63, 301-312.   | 2.5 | 6         |