

# Ayantika Sett

## List of Publications by Year in descending order

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25  
papers

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citations

933447

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839539

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25  
docs citations

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times ranked

511  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Investigation of the Actuation of Electrowetted Nanodroplets. <i>Langmuir</i> , 2022, 38, 3656-3665.	3.5	4
2	Electro-osmosis Aided Thin-Film Evaporation from a Micropillar Wick Structure. <i>Langmuir</i> , 2022, 38, 8442-8455.	3.5	2
3	Evaporation mediated translation and encapsulation of an aqueous droplet atop a viscoelastic liquid film. <i>Journal of Colloid and Interface Science</i> , 2021, 581, 334-349.	9.4	7
4	Temperature-gradient-induced massive augmentation of solute dispersion in viscoelastic micro-flows. <i>Journal of Fluid Mechanics</i> , 2020, 897, .	3.4	6
5	Interfacial energy driven distinctive pattern formation during the drying of blood droplets. <i>Journal of Colloid and Interface Science</i> , 2020, 573, 307-316.	9.4	13
6	Anisotropic Electrowetting on Wrinkled Surfaces: Enhanced Wetting and Dependency on Initial Wetting State. <i>Langmuir</i> , 2018, 34, 1844-1854.	3.5	16
7	Electrodewetting and Wetting of an Extended Meniscus. <i>Langmuir</i> , 2018, 34, 9897-9906.	3.5	3
8	Electrowetting of sessile drops on soft dielectric elastomer films. <i>Microfluidics and Nanofluidics</i> , 2017, 21, 1.	2.2	10
9	Fibrillar disruption by AC electric field induced oscillation: A case study with human serum albumin. <i>Biophysical Chemistry</i> , 2017, 226, 23-33.	2.8	8
10	Capillary driven flow in wettability altered microchannel. <i>AIChE Journal</i> , 2017, 63, 4616-4627.	3.6	4
11	Inhibition of Human Serum Albumin Fibrillation by Two-Dimensional Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2017, 121, 5474-5482.	2.6	34
12	Electroosmosis of Viscoelastic Fluids: Role of Wall Depletion Layer. <i>Langmuir</i> , 2017, 33, 12046-12055.	3.5	35
13	Inhibition of fibrillation of human serum albumin through interaction with chitosan-based biocompatible silver nanoparticles. <i>RSC Advances</i> , 2016, 6, 43104-43115.	3.6	32
14	Hydrophobic tail length plays a pivotal role in amyloid beta (25-35) fibril-surfactant interactions. <i>RSC Advances</i> , 2016, 6, 103242-103252.	3.6	12
15	Hydrophobic tail length plays a pivotal role in amyloid beta (25-35) fibril-surfactant interactions. <i>Proteins: Structure, Function and Bioinformatics</i> , 2016, 84, 1213-1223.	2.6	20
16	Electrically modulated dynamic spreading of drops on soft surfaces. <i>Applied Physics Letters</i> , 2015, 107, 034101.	3.3	21
17	Thermally enhanced self-propelled droplet motion on gradient surfaces. <i>RSC Advances</i> , 2015, 5, 45266-45275.	3.6	30
18	Interfacial force-driven pattern formation during drying of A $\beta$ (25-35) fibrils. <i>International Journal of Biological Macromolecules</i> , 2015, 79, 344-352.	7.5	8

#	ARTICLE	IF	CITATIONS
19	Experimental and Theoretical Evaluation of On-Chip Micro Heat Pipe. <i>Nanoscale and Microscale Thermophysical Engineering</i> , 2015, 19, 75-93.	2.6	8
20	Effect of air sparging on flux enhancement during tangential flow filtration of degreasing effluent. <i>Desalination and Water Treatment</i> , 2015, 53, 73-83.	1.0	2
21	Molecular Dynamics Study of Thermally Augmented Nanodroplet Motion on Chemical Energy Induced Wettability Gradient Surfaces. <i>Langmuir</i> , 2015, 31, 11260-11268.	3.5	31
22	Droplet transport through dielectrophoretic actuation using line electrode. <i>Microfluidics and Nanofluidics</i> , 2014, 16, 597-603.	2.2	10
23	Thermally activated control of microfluidic friction. <i>Applied Physics Letters</i> , 2012, 101, 134101.	3.3	4
24	Electrowetting of evaporating extended meniscus. <i>Soft Matter</i> , 2012, 8, 11302.	2.7	8
25	Experimental Investigation of Evaporation and Condensation in the Contact Line Region of a Thin Liquid Film Experiencing Small Thermal Perturbations. <i>Langmuir</i> , 2007, 23, 1234-1241.	3.5	17