

# Ashis Mukhopadhyay

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

765  
citations

623734

14  
h-index

677142

22  
g-index

22  
all docs

22  
docs citations

22  
times ranked

873  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diffusion of Nanoparticles in Semidilute Polymer Solutions: Effect of Different Length Scales. <i>Macromolecules</i> , 2012, 45, 6143-6149.	4.8	116
2	Size Effect of Nanoparticle Diffusion in a Polymer Melt. <i>Macromolecules</i> , 2014, 47, 7238-7242.	4.8	104
3	Diffusion of Nanoparticles in Semidilute and Entangled Polymer Solutions. <i>Journal of Physical Chemistry B</i> , 2009, 113, 8449-8452.	2.6	70
4	Dynamics of gold nanoparticles in a polymer melt. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	66
5	Critical Casimir Effect in Binary Liquid Wetting Films. <i>Physical Review Letters</i> , 1999, 83, 772-775.	7.8	62
6	Probing Diffusion of Single Nanoparticles at Water/Oil Interfaces. <i>Small</i> , 2011, 7, 3502-3507.	10.0	38
7	Contraction and Reswelling of a Polymer Chain Near the Critical Point of a Binary Liquid Mixture. <i>Physical Review Letters</i> , 2007, 98, 207801.	7.8	34
8	Diffusion of Polystyrene Chains and Fluorescent Dye Molecules in Semidilute and Concentrated Polymer Solutions. <i>Macromolecules</i> , 2008, 41, 6191-6194.	4.8	34
9	Conjugation of Gold Nanorods with Bovine Serum Albumin Protein. <i>Journal of Physical Chemistry C</i> , 2014, 118, 27459-27464.	3.1	34
10	Translational and Rotational Diffusions of Nanorods within Semidilute and Entangled Polymer Solutions. <i>Macromolecules</i> , 2014, 47, 6919-6924.	4.8	33
11	Tracer diffusion in nanofluids measured by fluorescence correlation spectroscopy. <i>Journal of Nanoparticle Research</i> , 2011, 13, 6313-6319.	1.9	32
12	Diffusion of Nanoparticles in Entangled Poly(vinyl alcohol) Solutions and Gels. <i>Macromolecules</i> , 2019, 52, 787-795.	4.8	31
13	Interaction and diffusion of gold nanoparticles in bovine serum albumin solutions. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	27
14	Brownian Diffusion of Individual Janus Nanoparticles at Water/Oil Interfaces. <i>ACS Nano</i> , 2020, 14, 10095-10103.	14.6	22
15	Diffusion of nanoparticles within a semidilute polyelectrolyte solution. <i>Soft Matter</i> , 2019, 15, 7616-7622.	2.7	14
16	Translational Anisotropy and Rotational Diffusion of Gold Nanorods in Colloidal Sphere Solutions. <i>Langmuir</i> , 2015, 31, 8780-8785.	3.5	12
17	Comparison of nanoparticle diffusion using fluorescence correlation spectroscopy and differential dynamic microscopy within concentrated polymer solutions. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	11
18	Nanoparticle Diffusion within Dilute and Semidilute Xanthan Solutions. <i>Langmuir</i> , 2019, 35, 7978-7984.	3.5	10

#	ARTICLE	IF	CITATIONS
19	Effect of Surface Curvature on Critical Adsorption. Physical Review Letters, 2009, 103, 225705.	7.8	7
20	Contrasting nanoparticle diffusion in branched polymer and particulate solutions: more than just volume fraction. Soft Matter, 2013, 9, 8974.	2.7	3
21	Rotational and translational diffusion of colloidal ellipsoids in bulk and at surfaces. Colloid and Polymer Science, 2021, 299, 1595-1603.	2.1	3
22	Curved colloidal crystals of discoids at near-critical liquid-liquid interface. Soft Matter, 2021, 17, 6942-6951.	2.7	2