

P Sunthar

List of Publications by Year in descending order

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30
papers

653
citations

687363

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580821

25
g-index

30
all docs

30
docs citations

30
times ranked

679
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive review on recent preparation techniques of liposomes. Journal of Liposome Research, 2020, 30, 336-365.	3.3	173
2	Parameter-Free Prediction of DNA Conformations in Elongational Flow by Successive Fine Graining. Macromolecules, 2005, 38, 617-640.	4.8	58
3	Characterization of the stationary states of a dilute vibrofluidized granular bed. Physical Review E, 2001, 64, 041303.	2.1	53
4	Optimization of a Brownian-dynamics algorithm for semidilute polymer solutions. Physical Review E, 2012, 85, 066703.	2.1	37
5	Universal solvent quality crossover of the zero shear rate viscosity of semidilute DNA solutions. Journal of Rheology, 2014, 58, 339-368.	2.6	37
6	Influence of micro-mixing on the size of liposomes self-assembled from miscible liquid phases. Chemistry and Physics of Lipids, 2013, 172-173, 20-30.	3.2	34
7	Dynamic scaling in dilute polymer solutions: The importance of dynamic correlations. Europhysics Letters, 2006, 75, 77-83.	2.0	28
8	Measurement and Prediction of the Elongational Stress Growth in a Dilute Solution of DNA Molecules. Macromolecules, 2005, 38, 10200-10209.	4.8	24
9	Shear thinning in dilute and semidilute solutions of polystyrene and DNA. Journal of Rheology, 2018, 62, 845-867.	2.6	24
10	Polymer Rheology., 2010, , 171-191.		24
11	Viscosity Radius of Polymers in Dilute Solutions: Universal Behavior from DNA Rheology and Brownian Dynamics Simulations. Macromolecules, 2014, 47, 7548-7560.	4.8	20
12	Temperature scaling in a dense vibrofluidized granular material. Physical Review E, 1999, 60, 1951-1955.	2.1	19
13	Spontaneous formation of single component liposomes from a solution. Chemistry and Physics of Lipids, 2017, 205, 25-33.	3.2	17
14	Diffusiophoretic enhancement of mass transfer by nanofluids. Chemical Engineering Science, 2018, 176, 632-640.	3.8	14
15	The generalized proportional-integral-derivative (PID) gradient descent back propagation algorithm. Neural Networks, 1995, 8, 563-569.	5.9	13
16	Effects of Ethanol Addition on the Size Distribution of Liposome Suspensions in Water. Industrial & Engineering Chemistry Research, 2019, 58, 7511-7519.	3.7	12
17	An alternative to the bead-rod model: Bead-spring chains with successive fine graining. Journal of Non-Newtonian Fluid Mechanics, 2008, 149, 9-19.	2.4	11
18	Rapid single-step formation of liposomes by flow assisted stationary phase interdiffusion. Chemistry and Physics of Lipids, 2018, 212, 144-151.	3.2	11

#	ARTICLE	IF	CITATIONS
19	Nucleation and growth on finite electrode geometries – a generalized approach based on Robbins' theorem. <i>Journal of Electroanalytical Chemistry</i> , 1994, 375, 59-68.	3.8	8
20	Efficient lattice Boltzmann algorithm for Brownian suspensions. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 2237-2245.	3.4	7
21	The glycan alphabet is not universal: a hypothesis. <i>Microbial Genomics</i> , 2020, 6, .	2.0	6
22	Prediction of chain length effects in elongational flows of dilute polymer solutions by successive fine graining. <i>ANZIAM Journal</i> , 0, 46, 320.	0.0	5
23	Colloidal fingering in miscible liquids. <i>Colloids and Interface Science Communications</i> , 2021, 41, 100368.	4.1	4
24	Exploring the universal dynamics of dilute polymer solutions in extensional flows. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 339, 34-39.	2.6	3
25	Uniaxial extensional viscosity of semidilute DNA solutions. <i>Korea Australia Rheology Journal</i> , 2019, 31, 255-266.	1.7	3
26	Effect of non-uniform active site distributions on electrocrystallization transients. <i>Journal of Electroanalytical Chemistry</i> , 1994, 375, 375-378.	3.8	2
27	Behavior of lower-order moments in a dense vibrofluidized granular material. <i>Physical Review E</i> , 2000, 63, .	2.1	2
28	Monosaccharide biosynthesis pathways database. <i>Glycobiology</i> , 2021, 31, 1636-1644.	2.5	2
29	Multiscale simulation of dilute DNA in a roll-knife coating flow. <i>Journal of Rheology</i> , 2008, 52, 1405-1425.	2.6	1
30	An Observation of Nanoparticle-Assisted Fingering Instability. <i>Macromolecular Symposia</i> , 2021, 399, 2100003.	0.7	1