P Sunthar

List of Publications by Year
in descending order

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30 papers	653 citations	687363 13 h-index	580821 25 g-index
30 all docs	30 docs citations	30 times ranked	679 citing authors

#	Article	IF	Citations
1	Colloidal fingering in miscible liquids. Colloids and Interface Science Communications, 2021, 41, 100368.	4.1	4
2	Monosaccharide biosynthesis pathways database. Glycobiology, 2021, 31, 1636-1644.	2.5	2
3	An Observation of Nanoparticleâ€Assisted Fingering Instability. Macromolecular Symposia, 2021, 399, 2100003.	0.7	1
4	A comprehensive review on recent preparation techniques of liposomes. Journal of Liposome Research, 2020, 30, 336-365.	3.3	173
5	The glycan alphabet is not universal: a hypothesis. Microbial Genomics, 2020, 6, .	2.0	6
6	Effects of Ethanol Addition on the Size Distribution of Liposome Suspensions in Water. Industrial & Engineering Chemistry Research, 2019, 58, 7511-7519.	3.7	12
7	Uniaxial extensional viscosity of semidilute DNA solutions. Korea Australia Rheology Journal, 2019, 31, 255-266.	1.7	3
8	Diffusiophoretic enhancement of mass transfer by nanofluids. Chemical Engineering Science, 2018, 176, 632-640.	3.8	14
9	Rapid single-step formation of liposomes by flow assisted stationary phase interdiffusion. Chemistry and Physics of Lipids, 2018, 212, 144-151.	3.2	11
10	Shear thinning in dilute and semidilute solutions of polystyrene and DNA. Journal of Rheology, 2018, 62, 845-867.	2.6	24
11	Spontaneous formation of single component liposomes from a solution. Chemistry and Physics of Lipids, 2017, 205, 25-33.	3.2	17
12	Universal solvent quality crossover of the zero shear rate viscosity of semidilute DNA solutions. Journal of Rheology, 2014, 58, 339-368.	2.6	37
13	Viscosity Radius of Polymers in Dilute Solutions: Universal Behavior from DNA Rheology and Brownian Dynamics Simulations. Macromolecules, 2014, 47, 7548-7560.	4.8	20
14	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
15	Optimization of a Brownian-dynamics algorithm for semidilute polymer solutions. Physical Review E, 2012, 85, 066703.	2.1	37
16	Efficient lattice Boltzmann algorithm for Brownian suspensions. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 2237-2245.	3.4	7
17	Polymer Rheology. , 2010, , 171-191.		24
18	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

#	Article	IF	Citations
19	Multiscale simulation of dilute DNA in a roll-knife coating flow. Journal of Rheology, 2008, 52, 1405-1425.	2.6	1
20	Dynamic scaling in dilute polymer solutions: The importance of dynamic correlations. Europhysics Letters, 2006, 75, 77-83.	2.0	28
21	Parameter-Free Prediction of DNA Conformations in Elongational Flow by Successive Fine Graining. Macromolecules, 2005, 38, 617-640.	4.8	58
22	Measurement and Prediction of the Elongational Stress Growth in a Dilute Solution of DNA Molecules. Macromolecules, 2005, 38, 10200-10209.	4.8	24
23	Exploring the universal dynamics of dilute polymer solutions in extensional flows. Physica A: Statistical Mechanics and Its Applications, 2004, 339, 34-39.	2.6	3
24	Characterization of the stationary states of a dilute vibrofluidized granular bed. Physical Review E, 2001, 64, 041303.	2.1	53
25	Behavior of lower-order moments in a dense vibrofluidized granular material. Physical Review E, 2000, 63, .	2.1	2
26	Temperature scaling in a dense vibrofluidized granular material. Physical Review E, 1999, 60, 1951-1955.	2.1	19
27	The generalized proportional-integral-derivative (PID) gradient descent back propagation algorithm. Neural Networks, 1995, 8, 563-569.	5.9	13
28	Nucleation and growth on finite electrode geometries â€" a generalized approach based on Robbins' theorem. Journal of Electroanalytical Chemistry, 1994, 375, 59-68.	3.8	8
29	Effect of non-uniform active site distributions on electrocrystallization transients. Journal of Electroanalytical Chemistry, 1994, 375, 375-378.	3.8	2
30	Prediction of chain length effects in elongational flows of dilute polymer solutions by successive fine graining. ANZIAM Journal, 0, 46, 320.	0.0	5