Joontaek Park

List of Publications by Year
in descending order

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17	241	933447	940533
papers	citations	10	16
		h-index	g-index

17	17	17	311
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Numerical Study on the Temperature-Dependent Viscosity Effect on the Strand Shape in Extrusion-Based Additive Manufacturing. Journal of Manufacturing and Materials Processing, 2020, 4, 46.	2.2	22
2	Synthesis and characterization of elution behavior of nonspherical gold nanoparticles in asymmetrical flow field-flow fractionation (AsFlFFF). Journal of Nanoparticle Research, 2020, 22, 1.	1.9	23
3	Direct numerical simulation of microbubble streaming in a microfluidic device: The effect of the bubble protrusion depth on the vortex pattern. Korean Journal of Chemical Engineering, 2020, 37, 2117-2123.	2.7	7
4	Polyaniline membranes for nanofiltration of solvent from dewaxed lube oil. Separation Science and Technology, 2019, 54, 795-802.	2.5	7
5	The shape effect on the retention behaviors of ellipsoidal particles in field-flow fractionation: Theoretical model derivation considering the steric-entropic mode. Journal of Chromatography A, 2019, 1587, 189-196.	3.7	3
6	Shape-based separation of micro-/nanoparticles in liquid phases. Biomicrofluidics, 2018, 12, 051503.	2.4	20
7	The Effect of Weak Confinement on the Orientation of Nanorods under Shear Flows. Nanomaterials, 2018, 8, 130.	4.1	10
8	A model for the depletion layer prediction in a dilute suspension of rigid rod-like particles under shear flows in the entire range of Peclet numbers. Chemical Engineering Science, 2018, 189, 394-400.	3.8	3
9	Computational Studies of DNA Separations in Micro-Fabricated Devices: Review of General Approaches and Recent Applications. Advances in Chemical Engineering and Science, 2017, 07, 362-392.	0.5	2
10	An Improved Model for the Steric-Entropic Effect on the Retention of Rod-like Particles in Field-Flow Fractionation: Discussion of Aspect Ratio-Based Separation. Chromatography (Basel), 2015, 2, 472-487.	1.2	9
11	Modeling and simulation of biopolymer networks: Classification of the cytoskeleton models according to multiple scales. Korean Journal of Chemical Engineering, 2015, 32, 1207-1217.	2.7	12
12	Theoretical analysis of the local orientation effect and the liftâ€hyperlayer mode of rodlike particles in fieldâ€flow fractionation. Journal of Separation Science, 2014, 37, 876-883.	2.5	17
13	Stochastic simulation of entangled polymeric liquids in fast flows: Microstructure modification. Journal of Rheology, 2012, 56, 1057-1081.	2.6	23
14	A cloud of rigid fibres sedimenting in a viscous fluid. Journal of Fluid Mechanics, 2010, 648, 351-362.	3.4	21
15	Analysis of the Migration of Rigid Polymers and Nanorods in a Rotating Viscometric Flow. Macromolecules, 2010, 43, 2535-2543.	4.8	18
16	Inhomogeneous distribution of a rigid fibre undergoing rectilinear flow between parallel walls at high PÃ©clet numbers. Journal of Fluid Mechanics, 2009, 630, 267-298.	3.4	26
17	Cross-stream migration in dilute solutions of rigid polymers undergoing rectilinear flow near a wall. Physical Review E, 2007, 76, 040801.	2.1	18