Gokhan Kacar

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7352649/publications.pdf

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18	322	840776 11	888059 17
papers	citations	h-index	g-index

18	18	18	291
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A generalized method for parameterization of dissipative particle dynamics for variable bead volumes. Europhysics Letters, 2013, 102, 40009.	2.0	40
2	Mesoscopic simulations for the molecular and network structure of a thermoset polymer. Soft Matter, 2013, 9, 5785.	2.7	38
3	Mapping and Reverse-Mapping of the Morphologies for a Molecular Understanding of the Self-Assembly of Fluorinated Block Copolymers. Journal of Physical Chemistry C, 2010, 114, 370-382.	3.1	37
4	Molecular understanding of interactions, structure, and drug encapsulation efficiency of Pluronic micelles from dissipative particle dynamics simulations. Colloid and Polymer Science, 2019, 297, 1037-1051.	2.1	28
5	Multi-scale simulations for predicting material properties of a cross-linked polymer. Computational Materials Science, 2015, 102, 68-77.	3.0	26
6	Structure of a Thermoset Polymer near an Alumina Substrate as Studied by Dissipative Particle Dynamics. Journal of Physical Chemistry C, 2013, 117, 19038-19047.	3.1	24
7	Hydrogen bonding in DPD: application to low molecular weight alcoholâ€“water mixtures. Physical Chemistry Chemical Physics, 2016, 18, 9554-9560.	2.8	23
8	Surfactant formation efficiency of fluorocarbon-hydrocarbon oligomers in supercritical CO2. Journal of Chemical Physics, 2009, 131, 124701.	3.0	20
9	Characterizing the structure and properties of dry and wet polyethylene glycol using multi-scale simulations. Physical Chemistry Chemical Physics, 2018, 20, 12303-12311.	2.8	16
10	Hierarchical multi-scale simulations of adhesion at polymerâ€“metal interfaces: dry and wet conditions. Physical Chemistry Chemical Physics, 2015, 17, 8935-8944.	2.8	12
11	Parametrizing hydrogen bond interactions in dissipative particle dynamics simulations: The case of water, methanol and their binary mixtures. Journal of Molecular Liquids, 2020, 302, 112581.	4.9	12
12	Mesoscopic structure and swelling properties of crosslinked polyethylene glycol in water. Journal of Coatings Technology Research, 2018, 15, 691-701.	2.5	10
13	Investigation of morphology, micelle properties, drug encapsulation and release behavior of self-assembled PEG-PLA-PEG block copolymers: A coarse-grained molecular simulations study. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 629, 127445.	4.7	10
14	Dissipative particle dynamics parameterization and simulations to predict negative volume excess and structure of PEG and water mixtures. Chemical Physics Letters, 2017, 690, 133-139.	2.6	9
15	Dissipative particle dynamics simulation parameters and interactions of a hydrogel. Journal of the Turkish Chemical Society, Section A: Chemistry, 0, , 19-38.	1.1	8
16	Thermodynamic stability of ibuprofen loaded poloxamer micelles. Chemical Physics, 2020, 533, 110713.	1.9	6
17	Investigation of ibuprofen loading in PEGâ€“PLGAâ€“PEG micelles by coarse-grained DPD simulations. MRS Advances, 2021, 6, 689-694.	0.9	2
18	Correction to â€œStructure of a Thermoset Polymer near an Alumina Substrate as Studied by Dissipative Particle Dynamicsâ€• Journal of Physical Chemistry C, 2013, 117, 21028-21028.	3.1	1