Gokhan Kacar

List of Publications by Year
in descending order

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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	Investigation of ibuprofen loading in PEGâ€“PLGAâ€“PEG micelles by coarse-grained DPD simulations. MRS Advances, 2021, 6, 689-694.	0.9	2
2	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
3	Thermodynamic stability of ibuprofen loaded poloxamer micelles. Chemical Physics, 2020, 533, 110713.	1.9	6
4	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
5	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
6	Mesoscopic structure and swelling properties of crosslinked polyethylene glycol in water. Journal of Coatings Technology Research, 2018, 15, 691-701.	2.5	10
7	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
8	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
9	Hydrogen bonding in DPD: application to low molecular weight alcoholâ€“water mixtures. Physical Chemistry Chemical Physics, 2016, 18, 9554-9560.	2.8	23
10	Multi-scale simulations for predicting material properties of a cross-linked polymer. Computational Materials Science, 2015, 102, 68-77.	3.0	26
11	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
12	Mesoscopic simulations for the molecular and network structure of a thermoset polymer. Soft Matter, 2013, 9, 5785.	2.7	38
13	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
14	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
15	A generalized method for parameterization of dissipative particle dynamics for variable bead volumes. Europhysics Letters, 2013, 102, 40009.	2.0	40
16	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
17	Surfactant formation efficiency of fluorocarbon-hydrocarbon oligomers in supercritical CO2. Journal of Chemical Physics, 2009, 131, 124701.	3.0	20
18	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