Sousa Javan Nikkhah

List of Publications by Year
in descending order

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25	475	840776 11	677142 22
papers	citations	h-index	g-index

25	25	25	633
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Investigation of in situ prepared polypropylene/clay nanocomposites properties and comparing to melt blending method. Materials & Design, 2010, 31, 76-84.	5.1	101
2	Investigation of properties of polyethylene/clay nanocomposites prepared by new in situ Zieglerâ€“Natta catalyst. Materials & Design, 2009, 30, 2309-2315.	5.1	54
3	Investigation of the interface between polyethylene and functionalized graphene: A computer simulation study. Current Applied Physics, 2015, 15, 1188-1199.	2.4	54
4	Molecular dynamics simulation study of boron-nitride nanotubes as a drug carrier: from encapsulation to releasing. RSC Advances, 2016, 6, 9344-9351.	3.6	47
5	The compatibility of Tacrine molecule with poly(n-butylcyanoacrylate) and Chitosan as efficient carriers for drug delivery: A molecular dynamics study. European Journal of Pharmaceutical Sciences, 2016, 82, 79-85.	4.0	40
6	A molecular simulation study on the adhesion behavior of a functionalized polyethylene-functionalized graphene interface. Physical Chemistry Chemical Physics, 2015, 17, 27414-27427.	2.8	29
7	Dynamic Study of Deformation and Adhesion of an Amorphous Polyethylene/Graphene Interface: A Simulation Study. Macromolecular Theory and Simulations, 2016, 25, 533-549.	1.4	18
8	Interfacial adhesion between functionalized polyethylene surface and graphene via molecular dynamic simulation. Journal of Molecular Modeling, 2015, 21, 121.	1.8	15
9	Dissipative particle dynamics simulations of H-shaped diblock copolymer self-assembly in solvent. Polymer, 2021, 233, 124198.	3.8	14
10	Multicore Assemblies from Three-Component Linear Homo-Copolymer Systems: A Coarse-Grained Modeling Study. Polymers, 2021, 13, 2193.	4.5	13
11	Modeling Polyzwitterion-Based Drug Delivery Platforms: A Perspective of the Current State-of-the-Art and Beyond. ACS Engineering Au, 2022, 2, 274-294.	5.1	12
12	Coil-to-globule transition of thermo-responsive Î³-substituted poly (É›-caprolactone) in water: A molecular dynamics simulation study. Current Applied Physics, 2018, 18, 1313-1319.	2.4	11
13	A comprehensive molecular dynamics study of a single polystyrene chain in a good solvent. Current Applied Physics, 2018, 18, 68-78.	2.4	10
14	Effect of particle surface corrugation on colloidal interactions. Journal of Colloid and Interface Science, 2020, 579, 794-804.	9.4	8
15	Molecular Modelling Guided Modulation of Molecular Shape and Charge for Design of Smart Self-Assembled Polymeric Drug Transporters. Pharmaceutics, 2021, 13, 141.	4.5	8
16	Self-assembly in soft matter with multiple length scales. Physical Review Research, 2021, 3, .	3.6	7
17	Molecular Dynamics (MD) Simulation of Zwitterion-Functionalized PMMA with Hydrophilic and Antifouling Surface Characteristics. Macromolecular Research, 2019, 27, 1200-1209.	2.4	6
18	Dual responsive PMEEECLâ€“PAE block copolymers: a computational self-assembly and doxorubicin uptake study. RSC Advances, 2020, 10, 3233-3245.	3.6	6

#	Article	IF	Citations
19	Self-Cross-linking Acrylate Copolymer/Organoclay Nanocomposite Emulsion Coating: Nanoindentation and Nanoscratch Behavior. Polymer-Plastics Technology and Engineering, 2014, 53, 268-277.	1.9	5
20	A quantitative correlation between polyethylene/graphene interfacial viscoelastic dissipation and deformation parameters: A molecular simulation study. International Journal of Adhesion and Adhesives, 2018, 84, 54-62.	2.9	5
21	A deep insight into the polystyrene chain in cyclohexane at theta temperature: molecular dynamics simulation and quantum chemical calculations. Journal of Molecular Modeling, 2019, 25, 195.	1.8	5
22	Design Rules for Antibody Delivery by Self-Assembled Block-Copolyelectrolyte Nanocapsules. Macromolecules, 2022, 55, 2383-2397.	4.8	3
23	Molecular dynamics simulation of polystyrene copolymer with octyl short-chain branches in toluene. Journal of Molecular Modeling, 2020, 26, 80.	1.8	2
24	Effect of Î³-substituted poly(É›-caprolactone) chain length on its coil-to-globule transition temperature in water: A molecular dynamics simulation study. Chemical Physics, 2019, 527, 110506.	1.9	1
25	A new insight into encapsulation process of a drug molecule in the polymer/surfactant system: a molecular simulation study. Structural Chemistry, 2020, 31, 2051-2062.	2.0	1