Mahmoud Rahmati

List of Publications by Year
in descending order

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23	522	567281 15	642732 23
papers	citations	h-index	g-index

23	23	23	532
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Non-ionic deep eutectic solvents for membrane formation. Journal of Membrane Science, 2022, 646, 120238.	8.2	26
2	Experimental and theoretical studies on the formation of pure Î²-phase polymorphs during fabrication of polyvinylidene fluoride membranes by cyclic carbonate solvents. Green Chemistry, 2021, 23, 2130-2147.	9.0	30
3	Molecular dynamics simulation for investigating and assessing reaction conditions between carboxylated polyethersulfone and polyethyleneimine. Journal of Applied Polymer Science, 2021, 138, 51304.	2.6	1
4	Effects of heteroatom and aliphatic chains of asphaltene molecules on their aggregation properties in aromatics Solvents: A molecular dynamics simulation study. Chemical Physics Letters, 2021, 779, 138847.	2.6	13
5	The effect of the molecular weight and polydispersity index on the thermal conductivity of Polyamide 6: A molecular dynamics study. International Journal of Heat and Mass Transfer, 2020, 154, 119487.	4.8	10
6	Molecular dynamics simulation of proton conductivity enhancement in polymer membranes by Y-doped BaCeO3 nanoparticles. Computational Materials Science, 2019, 169, 109139.	3.0	8
7	Investigation on absorption and release of mercaptopurine anticancer drug from modified polylactic acid as polymer carrier by molecular dynamic simulation. Materials Science and Engineering C, 2019, 105, 110010.	7.3	23
8	The kinetic modeling of methane hydrate growth by using molecular dynamic simulations. International Journal of Heat and Mass Transfer, 2019, 142, 118356.	4.8	6
9	An investigation of proton conductivity of PVA, PBI and SPEEK polymer membranes using molecular dynamics simulation. Journal of Molecular Liquids, 2019, 296, 111781.	4.9	19
10	Enhancing cadmium removal by low-cost nanocomposite adsorbents from aqueous solutions; a continuous system. Composites Part B: Engineering, 2019, 173, 106963.	12.0	18
11	Molecular dynamics simulations of asphaltene aggregation under different conditions. Journal of Petroleum Science and Engineering, 2019, 177, 392-402.	4.2	59
12	Molecular dynamics simulation of the effect of ions in water on the asphaltene aggregation. Journal of Molecular Liquids, 2019, 277, 40-48.	4.9	19
13	Computational comparison of the efficiency of nanoporous zeolite frameworks for separation of phenol from water. Journal of the Taiwan Institute of Chemical Engineers, 2018, 88, 104-113.	5.3	13
14	Application of ANFIS and MLR models for prediction of methane adsorption on X and Y faujasite zeolites: effect of cations substitution. Neural Computing and Applications, 2017, 28, 301-312.	5.6	16
15	Comparison of the thermodynamic, structural and dynamical properties of methane/water and methane/water/hydrate systems using molecular dynamic simulations. Journal of Natural Gas Science and Engineering, 2017, 44, 122-130.	4.4	29
16	Molecular dynamics simulation of functionalized graphene surface for high efficient loading of doxorubicin. Journal of Molecular Structure, 2017, 1141, 441-450.	3.6	27
17	Thermodynamic and structural properties of methane/water systems at the threshold of hydrate formation predicted by molecular dynamic simulations. Journal of Natural Gas Science and Engineering, 2016, 31, 555-561.	4.4	12
18	Asphaltene solubility in common solvents: A molecular dynamics simulation study. Canadian Journal of Chemical Engineering, 2015, 93, 2222-2232.	1.7	28

#	Article	IF	Citations
19	Selectivity of new siliceous zeolites for separation of methane and carbon dioxide by Monte Carlo simulation. Microporous and Mesoporous Materials, 2013, 176, 168-177.	4.4	29
20	The effects of structural parameters of zeolite on the adsorption of hydrogen: a molecular simulation study. Molecular Simulation, 2012, 38, 1038-1047.	2.0	7
21	Molecular simulation study of polyurethane membranes. Polymer, 2012, 53, 1939-1950.	3.8	77
22	Grand canonical Monte Carlo simulation of isotherm for hydrogen adsorption on nanoporous siliceous zeolites at room temperature. Applied Surface Science, 2009, 255, 4773-4778.	6.1	27
23	Nitrogen adsorption on nanoporous zeolites studied by Grand Canonical Monte Carlo simulation. Computational and Theoretical Chemistry, 2009, 901, 110-116.	1.5	25