Arjun Valiya Parambathu

List of Publications by Year
in descending order

13	141	1307594 7	1199594 12
papers	citations	h-index	g-index

15	15	15	136
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comment on â€œCalculation of Solidâ€“Fluid Interfacial Free Energy with Consideration of Solid Deformation by Molecular Dynamicsâ€• Journal of Physical Chemistry A, 2022, 126, 1782-1783.	2.5	1
2	Predicting ¹H NMR relaxation in Gd³⁺-aqua using molecular dynamics simulations. Physical Chemistry Chemical Physics, 2021, 23, 20974-20984.	2.8	8
3	Elucidating the ¹H NMR Relaxation Mechanism in Polydisperse Polymers and Bitumen Using Measurements, MD Simulations, and Models. Journal of Physical Chemistry B, 2020, 124, 4222-4233.	2.6	23
4	An Efficient Algorithm for Molecular Density Functional Theory in Cylindrical Geometry: Application to Interfacial Statistical Associating Fluid Theory (iSAFT). Industrial & Engineering Chemistry Research, 2020, 59, 6716-6728.	3.7	12
5	Critical Role of Confinement in the NMR Surface Relaxation and Diffusion of n-Heptane in a Polymer Matrix Revealed by MD Simulations. Journal of Physical Chemistry B, 2020, 124, 3801-3810.	2.6	23
6	Density functional study of one- and two-component bottlebrush molecules in solvents of varying quality. Molecular Physics, 2020, 118, e1767812.	1.7	7
7	Apolar Behavior of Hydrated Calcite (10Ì…4) Surface Assists in Naphthenic Acid Adsorption. Energy & Fuels, 2019, 33, 6119-6125.	5.1	7
8	Role of internal motions and molecular geometry on the NMR relaxation of hydrocarbons. Journal of Chemical Physics, 2018, 148, 164507.	3.0	28
9	Molecular dynamics simulations of NMR relaxation and diffusion of hydrocarbons. , 2018, , .		3
10	Density functional study of dendrimer molecules in solvents of varying quality. Journal of Chemical Physics, 2018, 149, 064904.	3.0	14
11	Simulation studies of thermodynamic driving forces for the adsorption of naphthenic acid analogues on calcite (1014) surface. , 2018, , .		0
12	Thermodynamics of mixtures of patchy and spherical colloids of different sizes: A multi-body association theory with complete reference fluid information. Journal of Chemical Physics, 2017, 146, 164904.	3.0	7
13	Electrostatic and induction effects in the solubility of water in alkanes. Journal of Chemical Physics, 2017, 147, 074506.	3.0	5