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	Role of internal motions and molecular geometry on the NMR relaxation of hydrocarbons. Journal of Chemical Physics, 2018, 148, 164507.	3.0	28
2	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
3	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
4	Density functional study of dendrimer molecules in solvents of varying quality. Journal of Chemical Physics, 2018, 149, 064904.	3.0	14
5	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
6	Predicting ¹H NMR relaxation in Gd³⁺-aqua using molecular dynamics simulations. Physical Chemistry Chemical Physics, 2021, 23, 20974-20984.	2.8	8
7	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
8	Apolar Behavior of Hydrated Calcite (101Ì…4) Surface Assists in Naphthenic Acid Adsorption. Energy & Fuels, 2019, 33, 6119-6125.	5.1	7
9	Density functional study of one- and two-component bottlebrush molecules in solvents of varying quality. Molecular Physics, 2020, 118, e1767812.	1.7	7
10	Electrostatic and induction effects in the solubility of water in alkanes. Journal of Chemical Physics, 2017, 147, 074506.	3.0	5
11	Molecular dynamics simulations of NMR relaxation and diffusion of hydrocarbons. , 2018, , .		3
12	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
13	Simulation studies of thermodynamic driving forces for the adsorption of naphthenic acid analogues on calcite (1014) surface. , 2018, , .		0