Gulou Shen

List of Publications by Year
in descending order

14 papers	262 citations	1040056 9 h-index	1058476 14 g-index
14 all docs	14 docs citations	14 times ranked	209 citing authors

#	Article	IF	Citations
1	Modeling thermodynamic derivative properties of ionic liquids with ePC-SAFT. Fluid Phase Equilibria, 2015, 405, 73-82.	2.5	43
2	Modeling Thermodynamic Derivative Properties and Gas Solubility of Ionic Liquids with ePC-SAFT. Industrial & Engineering Chemistry Research, 2019, 58, 8401-8417.	3.7	33
3	Modeling the Viscosity of Ionic Liquids with the Electrolyte Perturbed-Chain Statistical Association Fluid Theory. Industrial & Engineering Chemistry Research, 2014, 53, 20258-20268.	3.7	32
4	A hybrid perturbed-chain SAFT density functional theory for representing fluid behavior in nanopores. Journal of Chemical Physics, 2013, 138, 224706.	3.0	31
5	A hybrid perturbed-chain SAFT density functional theory for representing fluid behavior in nanopores: Mixtures. Journal of Chemical Physics, 2013, 139, 194705.	3.0	30
6	Modeling Viscosity of Ionic Liquids with Electrolyte Perturbed-Chain Statistical Associating Fluid Theory and Free Volume Theory. Industrial & Engineering Chemistry Research, 2018, 57, 8784-8801.	3.7	28
7	Modelling interfacial properties of ionic liquids with ePC-SAFT combined with density gradient theory. Molecular Physics, 2016, 114, 2492-2499.	1.7	14
8	Interfacial structure and differential capacitance of ionic liquid/graphite interface: A perturbed-chain SAFT density functional theory study. Journal of Molecular Liquids, 2020, 310, 113199.	4.9	14
9	Developing Electrolyte Perturbed-Chain Statistical Associating Fluid Theory Density Functional Theory for CO₂ Separation by Confined Ionic Liquids. Journal of Physical Chemistry C, 2018, 122, 15464-15473.	3.1	12
10	Accelerate the ePC-SAFT-DFT Calculation with the Chebyshev Pseudospectral Collocation Method. Industrial & Engineering Chemistry Research, 2021, 60, 9269-9285.	3.7	7
11	Modeling interfacial properties of ionic liquids with ePC-SAFT combined with density gradient theory. Fluid Phase Equilibria, 2021, 536, 112984.	2.5	5
12	Partition and selectivity of electrolytes in cylindrical nanopores with heterogeneous surface charge. Journal of Molecular Liquids, 2021, 340, 116839.	4.9	5
13	Accelerate the Electrolyte Perturbed-Chain Statistical Associating Fluid Theoryâ€“Density Functional Theory Calculation With the Chebyshev Pseudo-Spectral Collocation Method. Part II. Spherical Geometry and Anderson Mixing. Frontiers in Chemistry, 2021, 9, 801551.	3.6	4
14	Effect of surface roughness on partition of ionic liquids in nanopores by a perturbed-chain SAFT density functional theory. Journal of Chemical Physics, 2022, 157, .	3.0	4