Gustavo A Orozco

List of Publications by Year
in descending order

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11 papers	245 citations	1307594 7 h-index	1281871 11 g-index
11 all docs	11 docs citations	11 times ranked	227 citing authors

#	Article	IF	Citations
1	Molecular simulation of thermodynamic and transport properties for the H2O+NaCl system. Journal of Chemical Physics, 2014, 141, 234507.	3.0	63
2	Atomistic molecular dynamics simulations of H₂O diffusivity in liquid and supercritical CO₂. Molecular Physics, 2015, 113, 2805-2814.	1.7	38
3	Optimization of Intermolecular Potential Parameters for the CO₂/H₂O Mixture. Journal of Physical Chemistry B, 2014, 118, 11504-11511.	2.6	35
4	A Transferable Force Field for Primary, Secondary, and Tertiary Alkanolamines. Journal of Chemical Theory and Computation, 2013, 9, 2097-2103.	5.3	26
5	Transferable Force Field for Equilibrium and Transport Properties in Linear, Branched, and Bifunctional Amines I. Primary Amines. Journal of Physical Chemistry B, 2011, 115, 14617-14625.	2.6	23
6	Transferable Force Field for Equilibrium and Transport Properties in Linear and Branched Monofunctional and Multifunctional Amines. II. Secondary and Tertiary Amines. Journal of Physical Chemistry B, 2012, 116, 6193-6202.	2.6	18
7	A molecular simulation study of aqueous solutions of amines and alkanolamines: mixture properties and structural analysis. Molecular Simulation, 2014, 40, 123-133.	2.0	16
8	Self-diffusion coefficients of amines, a molecular dynamics study. Fluid Phase Equilibria, 2022, 553, 113301.	2.5	8
9	Equilibrium and Transport Properties of Primary, Secondary and Tertiary Amines by Molecular Simulation. Oil and Gas Science and Technology, 2014, 69, 833-849.	1.4	7
10	Physical Absorption of Green House Gases in Amines: The Influence of Functionality, Structure, and Cross-Interactions. Journal of Physical Chemistry B, 2016, 120, 13136-13143.	2.6	7
11	Predictions of fluidities of amines by molecular simulations: TraPPE-EH vs. OPLS-AA. Fluid Phase Equilibria, 2018, 464, 40-46.	2.5	4