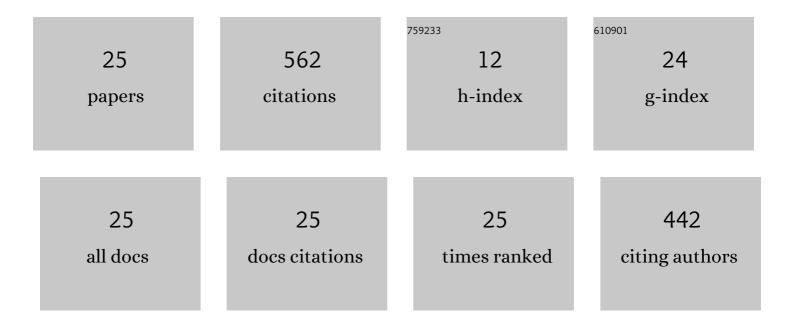
## Jose Manuel Miguez Diaz

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Molecular dynamics of liquid–liquid equilibrium and interfacial properties of aqueous solutions of methyl esters. Physical Chemistry Chemical Physics, 2022, 24, 5371-5382.	2.8	1
2	Phase equilibria and interfacial properties of selected methaneÂ+Ân-alkane binary mixtures. Journal of Molecular Liquids, 2021, 341, 116918.	4.9	6
3	Molecular modelling techniques for predicting liquid–liquid interfacial properties of methanol plus alkane ( <i>n</i> -hexane, <i>n</i> -heptane, <i>n</i> -octane) mixtures. Physical Chemistry Chemical Physics, 2020, 22, 27121-27133.	2.8	3
4	Preferential Orientations and Anomalous Interfacial Tensions in Aqueous Solutions of Alcohols. Journal of Physical Chemistry B, 2020, 124, 8388-8401.	2.6	3
5	Vapour–liquid phase equilibria and interfacial properties of fatty acid methyl esters from molecular dynamics simulations. Physical Chemistry Chemical Physics, 2020, 22, 4974-4983.	2.8	11
6	Phase Equilibria and Interfacial Properties of the Tetrahydrofuran + Methane Binary Mixture from Experiment and Computer Simulation. Journal of Physical Chemistry C, 2019, 123, 20960-20970.	3.1	12
7	On the Physical Insight into the Barotropic Effect in the Interfacial Behavior for the H <sub>2</sub> O + CO <sub>2</sub> Mixture. Journal of Physical Chemistry C, 2019, 123, 28123-28130.	3.1	21
8	An accurate density functional theory for the vapor–liquid interface of chain molecules based on the statistical associating fluid theory for potentials of variable range for Mie chainlike fluids. Physical Chemistry Chemical Physics, 2019, 21, 11937-11948.	2.8	4
9	Interfacial Properties of Tetrahydrofuran and Carbon Dioxide Mixture from Computer Simulation. Journal of Physical Chemistry C, 2018, 122, 16142-16153.	3.1	7
10	Adsorption and interfacial phenomena of a Lennard-Jones fluid adsorbed in slit pores: DFT and GCMC simulations. Molecular Physics, 2018, 116, 3417-3424.	1.7	1
11	Measurement and modeling of high pressure density and interfacial tension of carbon dioxide + tetrahydrofuran mixture. Journal of Supercritical Fluids, 2017, 128, 359-369.	3.2	4
12	Vapour–liquid interfacial properties of square-well chains from density functional theory and Monte Carlo simulation. Physical Chemistry Chemical Physics, 2017, 19, 12296-12309.	2.8	12
13	Computational study of the interplay between intermolecular interactions and CO <sub>2</sub> orientations in type I hydrates. Physical Chemistry Chemical Physics, 2017, 19, 3384-3393.	2.8	17
14	On interfacial properties of tetrahydrofuran: Atomistic and coarse-grained models from molecular dynamics simulation. Journal of Chemical Physics, 2016, 144, 144702.	3.0	13
15	Molecular dynamics simulation of CO2 hydrates: Prediction of three phase coexistence line. Journal of Chemical Physics, 2015, 142, 124505.	3.0	96
16	Understanding the Phase Behavior of Tetrahydrofuran + Carbon Dioxide, + Methane, and + Water Binary Mixtures from the SAFT-VR Approach. Journal of Physical Chemistry B, 2015, 119, 14288-14302.	2.6	17
17	Nonlocal Density Functional Theory and Grand Canonical Monte Carlo Molecular Simulations of Water Adsorption in Confined Media. Journal of Physical Chemistry C, 2014, 118, 24905-24914.	3.1	20
18	Comprehensive Characterization of Interfacial Behavior for the Mixture CO <sub>2</sub> + H <sub>2</sub> O + CH <sub>4</sub> : Comparison between Atomistic and Coarse Grained Molecular Simulation Models and Density Gradient Theory. Journal of Physical Chemistry C, 2014, 118, 24504-24519.	3.1	52

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19	Influence of the long-range corrections on the interfacial properties of molecular models using Monte Carlo simulation. Journal of Chemical Physics, 2013, 138, 034707.	3.0	52
20	On interfacial tension calculation from the test-area methodology in the grand canonical ensemble. Journal of Chemical Physics, 2012, 136, 114707.	3.0	9
21	Vapor-liquid interfacial properties of rigid-linear Lennard-Jones chains. Journal of Chemical Physics, 2012, 137, 084706.	3.0	21
22	Solidâ^'Solid and Solidâ^'Fluid Equilibria of the Most Popular Models of Methanol Obtained by Computer Simulation. Journal of Physical Chemistry B, 2011, 115, 3522-3530.	2.6	9
23	Simultaneous Application of the Gradient Theory and Monte Carlo Molecular Simulation for the Investigation of Methane/Water Interfacial Properties. Journal of Physical Chemistry B, 2011, 115, 9618-9625.	2.6	106
24	An Examination of the Ternary Methane + Carbon Dioxide + Water Phase Diagram using the SAFT-VR Approach. Journal of Physical Chemistry B, 2011, 115, 9604-9617.	2.6	30
25	Calculation of interfacial properties using molecular simulation with the reaction field method: Results for different water models. Journal of Chemical Physics, 2010, 132, .	3.0	35