Felipe JimÃ©nez-Ãngeles

List of Publications by Year
in descending order

29 papers	1,156 citations	430874 18 h-index	501196 28 g-index
29 all docs	29 docs citations	29 times ranked	1151 citing authors

#	Article	IF	Citations
1	Nucleation of Methane Hydrates at Moderate Subcooling by Molecular Dynamics Simulations. Journal of Physical Chemistry C, 2014, 118, 11310-11318.	3.1	129
2	Overcharging of DNA in the Presence of Salt:Â Theory and Simulation. Journal of Physical Chemistry B, 2001, 105, 10983-10991.	2.6	117
3	A Model Macroion Solution Next to a Charged Wall:Â Overcharging, Charge Reversal, and Charge Inversion by Macroions. Journal of Physical Chemistry B, 2004, 108, 7286-7296.	2.6	89
4	Hydrophobic Hydration and the Effect of NaCl Salt in the Adsorption of Hydrocarbons and Surfactants on Clathrate Hydrates. ACS Central Science, 2018, 4, 820-831.	11.3	89
5	Hidden symmetries and thermodynamic properties for a harmonic oscillator plus an inverse square potential. International Journal of Quantum Chemistry, 2007, 107, 366-371.	2.0	84
6	Insights into the Enhanced Catalytic Activity of Cytochrome c When Encapsulated in a Metalâ€“Organic Framework. Journal of the American Chemical Society, 2020, 142, 18576-18582.	13.7	73
7	Water follows polar and nonpolar protein surface domains. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 19274-19281.	7.1	66
8	Contact Angle, Liquid Film, and Liquidâ€“Liquid and Liquidâ€“Solid Interfaces in Model Oilâ€“Brineâ€“Substrate Systems. Journal of Physical Chemistry C, 2016, 120, 11910-11917.	3.1	59
9	A new correlation effect in the Helmholtz and surface potentials of the electrical double layer. Journal of Chemical Physics, 2004, 120, 9782-9792.	3.0	53
10	Self-Assembly of Charge-Containing Copolymers at the Liquidâ€“Liquid Interface. ACS Central Science, 2019, 5, 688-699.	11.3	43
11	Molecular Dynamics Simulation of the Adsorption and Aggregation of Ionic Surfactants at Liquidâ€“Solid Interfaces. Journal of Physical Chemistry C, 2017, 121, 25908-25920.	3.1	39
12	Enhanced Hydrate Nucleation near the Limit of Stability. Journal of Physical Chemistry C, 2015, 119, 8798-8804.	3.1	35
13	Simple Model for Semipermeable Membrane:â€‰ Donnan Equilibrium. Journal of Physical Chemistry B, 2004, 108, 1719-1730.	2.6	32
14	Tunable Substrate Wettability by Thin Water Layer. Journal of Physical Chemistry C, 2016, 120, 24688-24696.	3.1	32
15	Electrolyte distribution around two like-charged rods: Their effective attractive interaction and angular dependent charge reversal. Journal of Chemical Physics, 2006, 124, 134902.	3.0	31
16	On the regimes of charge reversal. Journal of Chemical Physics, 2008, 128, 174701.	3.0	29
17	Nonreciprocal interactions induced by water in confinement. Physical Review Research, 2020, 2, .	3.6	29
18	Induced Charge Density and Thin Liquid Film at Hydrate/Methane Gas Interfaces. Journal of Physical Chemistry C, 2014, 118, 26041-26048.	3.1	28

#	Article	IF	Citations
19	Population Inversion of a NAHS Mixture Adsorbed into a Cylindrical Pore. Journal of Physical Chemistry C, 2008, 112, 18028-18033.	3.1	16
20	Ion pairing in model electrolytes: A study via three-particle correlation functions. Journal of Chemical Physics, 2003, 119, 4842-4856.	3.0	13
21	Polarity Inversion of Î¶-Potential in Concentrated Colloidal Dispersions. Journal of Physical Chemistry B, 2011, 115, 12094-12097.	2.6	13
22	A Modeling-Based Design to Engineering Protein Hydrogels with Random Copolymers. ACS Nano, 2021, 15, 16139-16148.	14.6	13
23	Van der Waals-Like Isotherms in a Confined Electrolyte by Spherical and Cylindrical Nanopores. Journal of Physical Chemistry B, 2007, 111, 2033-2044.	2.6	12
24	Entropy effects in self-assembling mechanisms: Also a view from the information theory. Journal of Molecular Liquids, 2011, 164, 87-100.	4.9	11
25	Stability mechanisms for plate-like nanoparticles immersed in a macroion dispersion. Journal of Physics Condensed Matter, 2009, 21, 424107.	1.8	10
26	Assisted crystal growing by tempering metastable vaporâ€“liquid fluids. Chemical Physics Letters, 2011, 501, 466-469.	2.6	5
27	Electrokinetic properties of monovalent electrolytes confined in charged nanopores: Effect of geometry and ionic short-range correlations. Journal of Colloid and Interface Science, 2009, 330, 474-482.	9.4	4
28	Probing the Size-Dependent Polarizability of Mesoscopic Ionic Clusters and Their Induced-Dipole Interactions. Journal of Chemical Physics, 2021, 155, 194901.	3.0	2
29	Electrokinetic properties of a restricted primitive model electrolyte in slit-like nanopores: Effects of enhanced ionic excluded volume. Journal of Molecular Liquids, 2013, 185, 76-82.	4.9	0