German Perez-Sanchez

List of Publications by Year
in descending order

33	743	471061	525886
papers	citations	17	27
		h-index	g-index

34	34	34	739
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Asymmetric criticality in weakly compressible liquid mixtures. Journal of Chemical Physics, 2010, 132, 154502.	1.2	83
2	Enhancement of Ethane Selectivity in Ethaneâ€“Ethylene Mixtures by Perfluoro Groups in Zr-Based Metal-Organic Frameworks. ACS Applied Materials & Interfaces, 2019, 11, 27410-27421.	4.0	69
3	Non-ionic hydrophobic eutectics â€“ versatile solvents for tailored metal separation and valorisation. Green Chemistry, 2020, 22, 2810-2820.	4.6	67
4	Modeling Self-Assembly of Silica/Surfactant Mesostructures in the Templated Synthesis of Nanoporous Solids. Langmuir, 2013, 29, 2387-2396.	1.6	44
5	Rationalizing the Phase Behavior of Triblock Copolymers through Experiments and Molecular Simulations. Journal of Physical Chemistry C, 2019, 123, 21224-21236.	1.5	33
6	Multiscale Model for the Templated Synthesis of Mesoporous Silica: The Essential Role of Silica Oligomers. Chemistry of Materials, 2016, 28, 2715-2727.	3.2	32
7	Multifunctionality in an Ion-Exchanged Porous Metalâ€“Organic Framework. Journal of the American Chemical Society, 2021, 143, 1365-1376.	6.6	31
8	Molecular Simulations of the Synthesis of Periodic Mesoporous Silica Phases at High Surfactant Concentrations. Journal of Physical Chemistry C, 2017, 121, 4564-4575.	1.5	29
9	Improved coarse-grain model to unravel the phase behavior of 1-alkyl-3-methylimidazolium-based ionic liquids through molecular dynamics simulations. Journal of Colloid and Interface Science, 2020, 574, 324-336.	5.0	28
10	A molecular dynamics framework to explore the structure and dynamics of layered double hydroxides. Applied Clay Science, 2018, 163, 164-177.	2.6	27
11	Mechanism of ionic-liquid-based acidic aqueous biphasic system formation. Physical Chemistry Chemical Physics, 2018, 20, 9838-9846.	1.3	26
12	Mechanisms of phase separation in temperature-responsive acidic aqueous biphasic systems. Physical Chemistry Chemical Physics, 2019, 21, 7462-7473.	1.3	23
13	Dielectric constant of fluids and fluid mixtures at criticality. Physical Review E, 2010, 81, 041121.	0.8	21
14	Fluid-solid equilibrium of carbon dioxide as obtained from computer simulations of several popular potential models: The role of the quadrupole. Journal of Chemical Physics, 2013, 138, 084506.	1.2	21
15	Solution thermodynamics near the liquidâ€“liquid critical point. Fluid Phase Equilibria, 2007, 258, 7-15.	1.4	20
16	Thermal properties of ionic systems near the liquid-liquid critical point. Journal of Chemical Physics, 2011, 135, 214507.	1.2	19
17	Highly precise (liquid+liquid) equilibrium and heat capacity measurements near the critical point for [Bmim][BF4]+1H, 1H, 2H, 2H perfluoroctanol. Journal of Chemical Thermodynamics, 2013, 65, 131-137.	1.0	18
18	Critical behavior of static properties for nitrobenzene-alkane mixtures. Journal of Chemical Physics, 2010, 132, 214503.	1.2	17

#	Article	IF	Citations
19	Using coarse-grained molecular dynamics to understand the effect of ionic liquids on the aggregation of Pluronic copolymer solutions. Physical Chemistry Chemical Physics, 2021, 23, 5824-5833.	1.3	17
20	Modelling the self-assembly of silica-based mesoporous materials. Molecular Simulation, 2018, 44, 435-452.	0.9	16
21	Solvent extraction in extended hydrogen bonded fluids â€“ separation of Pt(<scp>iv</scp>) from Pd(<scp>ii</scp>) using TOPO-based type V DES. Green Chemistry, 2021, 23, 4540-4550.	4.6	16
22	Thermodynamic consistency near the liquid-liquid critical point. Journal of Chemical Physics, 2009, 130, 044506.	1.2	14
23	Evaluation of the GROMOS 56A_{CARBO} Force Field for the Calculation of Structural, Volumetric, and Dynamic Properties of Aqueous Glucose Systems. Journal of Physical Chemistry B, 2015, 119, 15310-15319.	1.2	14
24	Unravelling the Interactions between Surface-Active Ionic Liquids and Triblock Copolymers for the Design of Thermal Responsive Systems. Journal of Physical Chemistry B, 2020, 124, 7046-7058.	1.2	12
25	Sticky-MARTINI as a reactive coarse-grained model for molecular dynamics simulations of silica polymerization. Npj Computational Materials, 2022, 8, .	3.5	10
26	Using coarse-grained molecular dynamics to rationalize biomolecule solubilization mechanisms in ionic liquid-based colloidal systems. Physical Chemistry Chemical Physics, 2020, 22, 24771-24783.	1.3	9
27	Unveiling the phase behavior of C_iE_j non-ionic surfactants in water through coarse-grained molecular dynamics simulations. Soft Matter, 2021, 17, 5183-5196.	1.2	8
28	Heat capacity anomalies along the critical isotherm in fluid-fluid phase transitions. Journal of Chemical Physics, 2010, 132, 154509.	1.2	5
29	Unveiling the local structure of 2-mercaptobenzothiazole intercalated in (Zn2Al) layered double hydroxides. Applied Clay Science, 2020, 198, 105842.	2.6	5
30	Molecular simulation of methane hydrate growth confined into a silica pore. Journal of Molecular Liquids, 2022, 362, 119698.	2.3	4
31	Mesoscale model of the synthesis of periodic mesoporous benzene-silica. Journal of Molecular Liquids, 2020, 316, 113861.	2.3	3
32	The cation effect on the solubility of glycylglycine and N-acetylglycine in aqueous solution: Experimental and molecular dynamics studies. Journal of Molecular Liquids, 2020, 310, 113044.	2.3	2
33	CHAPTER 11. Critical Behaviour: Pure Fluids and Mixtures. , 2014, , 326-344.		0