Marie Jardat

List of Publications by Year
in descending order

21 papers	305 citations	1040056 9 h-index	839539 18 g-index
21 all docs	21 docs citations	21 times ranked	475 citing authors

#	Article	IF	Citations
1	Nonspecific DNA-Protein Interaction: Why Proteins Can Diffuse along DNA. Physical Review Letters, 2009, 102, 228101.	7.8	56
2	Effective interactions between charged nanoparticles in water: What is left from the DLVO theory?. Current Opinion in Colloid and Interface Science, 2010, 15, 2-7.	7.4	52
3	Salt exclusion in charged porous media: a coarse-graining strategy in the case of montmorillonite clays. Physical Chemistry Chemical Physics, 2009, 11, 2023.	2.8	45
4	Effective interaction between charged nanoparticles and DNA. Physical Chemistry Chemical Physics, 2011, 13, 12603.	2.8	24
5	New coarse-graining procedure for the dynamics of charged spherical nanoparticles in solution. Journal of Chemical Physics, 2007, 126, 114108.	3.0	17
6	Self-diffusion coefficients of ions in the presence of charged obstacles. Physical Chemistry Chemical Physics, 2008, 10, 449-457.	2.8	16
7	Hydrodynamic interactions between solutes in multiparticle collision dynamics. Physical Review E, 2018, 98, .	2.1	15
8	Self-diffusion of ions in charged nanoporous media. Soft Matter, 2012, 8, 954-964.	2.7	13
9	Multiscale modelling of transport in clays from the molecular to the sample scale. Comptes Rendus - Geoscience, 2014, 346, 298-306.	1.2	12
10	Self-diffusion and activity coefficients of ions in charged disordered media. Journal of Chemical Physics, 2012, 137, 114507.	3.0	9
11	Brownian Simulations Contribution to the Study of Ionic Dynamics in Aqueous Solutions. Zeitschrift Fur Physikalische Chemie, 2004, 218, 699-708.	2.8	9
12	Stochastic rotation dynamics simulation of electro-osmosis. Molecular Physics, 2015, 113, 2476-2486.	1.7	7
13	Computation of the Hydrodynamic Radius of Charged Nanoparticles from Nonequilibrium Molecular Dynamics. Journal of Physical Chemistry B, 2018, 122, 5940-5950.	2.6	7
14	Coarse-Grained Models of Aqueous Solutions of Polyelectrolytes: Significance of Explicit Charges. Journal of Physical Chemistry B, 2020, 124, 288-301.	2.6	6
15	Spontaneous propulsion of an isotropic colloid in a phase-separating environment. Physical Review E, 2021, 104, 034602.	2.1	5
16	Comparison of different coupling schemes between counterions and charged nanoparticles in multiparticle collision dynamics. Physical Review E, 2016, 94, 023317.	2.1	4
17	Dynamics of ions in model charged porous media: Influence of polyelectrolytes. Journal of Molecular Liquids, 2017, 228, 224-229.	4.9	3
18	Can we describe charged nanoparticles with electrolyte theories? Insight from mesoscopic simulation techniques. Journal of Molecular Liquids, 2020, 303, 111942.	4.9	3

#	Article	IF	Citations
19	Coarse-graining in suspensions of charged nanoparticles. Pure and Applied Chemistry, 2008, 80, 1229-1238.	1.9	2
20	Pierre Turq, an inspirational scientist in charge and at interfaces. Molecular Physics, 2014, 112, 1213-1221.	1.7	0
21	Electroosmotic Flow Induced Lift Forces on Polymer Chains in Nanochannels. ACS Polymers Au, 0, , .	4.1	0