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List of Publications by Year
in descending order

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30 papers	748 citations	471509 17 h-index	526287 27 g-index
30 all docs	30 docs citations	30 times ranked	717 citing authors

#	Article	IF	Citations
1	Size and/or charge asymmetry effects in coulombic fluids in the presence of external fields: From simple electrolytes to molten salts. Biophysical Chemistry, 2022, 282, 106747.	2.8	6
2	Activation energy, spatial confinement, and mean first passage and escape times of a tracer in awormlike micellar fluid: an effective potential approach. Journal of Physics Condensed Matter, 2022, , .	1.8	1
3	Local inversion of the mean electrostatic potential, maximum charge reversal, and capacitive compactness of concentrated 1:1 salts: The crucial role of the ionic excluded volume and ion correlations. Journal of Molecular Liquids, 2022, 361, 119566.	4.9	5
4	On the expected value of the electrostatic potential produced by a charged electrode neutralized by a Coulombic fluid: The capacitive compactness. Journal of Chemical Physics, 2021, 154, 096101.	3.0	8
5	On the Time Transition Between Short- and Long-Time Regimes of Colloidal Particles in External Periodic Potentials. Frontiers in Physics, 2021, 9, .	2.1	3
6	On the non-dominance of counterions in the 1:z planar electrical double layer of point-ions. Molecular Physics, 2021, 119, .	1.7	7
7	Expansion and shrinkage of the electrical double layer in charge-asymmetric electrolytes: A non-linear Poisson-Boltzmann description. Journal of Molecular Liquids, 2019, 277, 104-114.	4.9	18
8	Quantifying the thickness of the electrical double layer neutralizing a planar electrode: the capacitive compactness. Physical Chemistry Chemical Physics, 2018, 20, 262-275.	2.8	24
9	An experimental/theoretical method to measure the capacitive compactness of an aqueous electrolyte surrounding a spherical charged colloid. Journal of Chemical Physics, 2018, 148, 154703.	3.0	9
10	Understanding the interfacial behavior of lysozyme on Au (111) surfaces with multiscale simulations. Applied Physics Letters, 2017, 110, .	3.3	9
11	The non-dominance of counterions in charge-asymmetric electrolytes: non-monotonic precedence of electrostatic screening and local inversion of the electric field by multivalent coions. Physical Chemistry Chemical Physics, 2016, 18, 21852-21864.	2.8	17
12	Control of Selective Ion Transfer across Liquidâ€“Liquid Interfaces: A Rectifying Heterojunction Based on Immiscible Electrolytes. ACS Central Science, 2016, 2, 857-866.	11.3	8
13	Electrolyte-Mediated Assembly of Charged Nanoparticles. ACS Central Science, 2016, 2, 219-224.	11.3	31
14	Charged hydrophobic colloids at an oilâ€“aqueous phase interface. Physical Review E, 2015, 92, 062306.	2.1	33
15	Effective charges and virial pressure of concentrated macroion solutions. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9242-9246.	7.1	36
16	The dominance of small ions in the electric double layer of size- and charge-asymmetric electrolytes: a mean-field study on the charge reversal and surface charge amplification. Molecular Physics, 2015, 113, 1190-1205.	1.7	13
17	Excluded volume and ion-ion correlation effects on the ionic atmosphere around B-DNA: Theory, simulations, and experiments. Journal of Chemical Physics, 2014, 141, 225103.	3.0	24
18	Polarization Effects of Dielectric Nanoparticles in Aqueous Charge-Asymmetric Electrolytes. Journal of Physical Chemistry B, 2014, 118, 8854-8862.	2.6	31

#	Article	IF	Citations
19	An exact method to obtain effective electrostatic interactions from computer simulations: The case of effective charge amplification. Journal of Chemical Physics, 2013, 139, 064709.	3.0	25
20	Large Counterions Boost the Solubility and Renormalized Charge of Suspended Nanoparticles. ACS Nano, 2013, 7, 9714-9723.	14.6	35
21	Inversion of the Electric Field at the Electrified Liquidâ€“Liquid Interface. Journal of Chemical Theory and Computation, 2013, 9, 1-7.	5.3	28
22	Enhancing and reversing the electric field at the oilâ€“water interface with size-asymmetric monovalent ions. Soft Matter, 2013, 9, 6046.	2.7	25
23	Entropic effects in the electric double layer of model colloids with size-asymmetric monovalent ions. Journal of Chemical Physics, 2011, 135, 054701.	3.0	36
24	Coulomb interactions in charged fluids. Physical Review E, 2011, 84, 016707.	2.1	13
25	Potential of mean force between identical charged nanoparticles immersed in a size-asymmetric monovalent electrolyte. Journal of Chemical Physics, 2011, 135, 164705.	3.0	39
26	A Graphics Processing Unit Implementation of Coulomb Interaction in Molecular Dynamics. Journal of Chemical Theory and Computation, 2010, 6, 3058-3065.	5.3	38
27	Overcharging and charge reversal in the electrical double layer around the point of zero charge. Journal of Chemical Physics, 2010, 132, 054903.	3.0	62
28	Effects of the ionic size-asymmetry around a charged nanoparticle: unequal charge neutralization and electrostatic screening. Soft Matter, 2010, 6, 2056.	2.7	70
29	Simulational and theoretical study of the spherical electrical double layer for a size-asymmetric electrolyte: The case of big coions. Physical Review E, 2009, 80, 021501.	2.1	28
30	The electrical double layer for a fully asymmetric electrolyte around a spherical colloid: An integral equation study. Journal of Chemical Physics, 2005, 123, 034703.	3.0	66