

Alexandre Diehl

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7781800/publications.pdf>

Version: 2024-02-01

33
papers

1,243
citations

393982

19
h-index

395343

33
g-index

33
all docs

33
docs citations

33
times ranked

1157
citing authors

#	ARTICLE	IF	CITATIONS
1	Isothermal adsorption of polyampholytes on charged nanopatterned surfaces. <i>Journal of Chemical Physics</i> , 2019, 151, 084101.	1.2	6
2	Charge Regulation of Colloidal Particles: Theory and Simulations. <i>Physical Review Letters</i> , 2019, 123, 208004.	2.9	24
3	Adsorption isotherms of charged nanoparticles. <i>Soft Matter</i> , 2016, 12, 8528-8533.	1.2	6
4	Flexible polyelectrolyte conformation in the presence of cationic and anionic surfactants. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 438, 436-446.	1.2	1
5	Interaction between random heterogeneously charged surfaces in an electrolyte solution. <i>Journal of Chemical Physics</i> , 2015, 142, 194707.	1.2	26
6	Enhanced flow of core-softened fluids through narrow nanotubes. <i>Journal of Chemical Physics</i> , 2014, 140, 194504.	1.2	23
7	Relation Between Flow Enhancement Factor and Structure for Core-Softened Fluids Inside Nanotubes. <i>Journal of Physical Chemistry B</i> , 2013, 117, 7047-7056.	1.2	40
8	Surface tension of an electrolyte-air interface: a Monte Carlo study. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 284115.	0.7	18
9	Diffusion enhancement in core-softened fluid confined in nanotubes. <i>Journal of Chemical Physics</i> , 2012, 137, 084504.	1.2	40
10	Ion fluxes through nanopores and transmembrane channels. <i>Physical Review E</i> , 2012, 85, 031914.	0.8	30
11	Colloidal charge renormalization in suspensions containing multivalent electrolyte. <i>Journal of Chemical Physics</i> , 2010, 132, 104105.	1.2	46
12	Surface Tensions, Surface Potentials, and the Hofmeister Series of Electrolyte Solutions. <i>Langmuir</i> , 2010, 26, 10778-10783.	1.6	187
13	Effect of monovalent salt on the conformation of polyelectrolyte-surfactant complexes. <i>Physical Review E</i> , 2009, 79, 011805.	0.8	5
14	Electrostatic correlations in colloidal suspensions: Density profiles and effective charges beyond the Poisson-Boltzmann theory. <i>Journal of Chemical Physics</i> , 2009, 130, 124110.	1.2	37
15	Ions at the Air-Water Interface: An End to a Hundred-Year-Old Mystery?. <i>Physical Review Letters</i> , 2009, 103, 257802.	2.9	277
16	Colloidal charge reversal: Dependence on the ionic size and the electrolyte concentration. <i>Journal of Chemical Physics</i> , 2008, 129, 124506.	1.2	30
17	Flexible polyelectrolyte conformation in the presence of oppositely charged surfactants. <i>Physical Review E</i> , 2007, 76, 041807.	0.8	7
18	Smoluchowski equation and the colloidal charge reversal. <i>Journal of Chemical Physics</i> , 2006, 125, 054902.	1.2	62

#	ARTICLE	IF	CITATIONS
19	Phase behavior of the lattice restricted primitive model with nearest neighbor exclusion. Journal of Chemical Physics, 2006, 124, 194509.	1.2	4
20	Phase diagrams in the lattice restricted primitive model: From order-disorder to gas-liquid phase transition. Physical Review E, 2005, 71, 046118.	0.8	11
21	MASS DISTRIBUTION OF A TWO-DIMENSIONAL FRAGMENTATION PROCESS. International Journal of Modern Physics C, 2005, 16, 253-258.	0.8	2
22	Statistics versus dynamics: two methods for calculating the effective charge of colloidal particles. Journal of Physics Condensed Matter, 2005, 17, S3309-S3316.	0.7	6
23	Effective charge of colloidal particles. Journal of Chemical Physics, 2004, 121, 12100-12103.	1.2	44
24	Phase transitions and tricriticality in the lattice restricted primitive model supplemented by short-range interactions. Journal of Chemical Physics, 2003, 118, 4993-4998.	1.2	19
25	Reply to "Comment on "Scaling behavior in explosive fragmentation" Physical Review E, 2002, 65, .	0.8	4
26	Thermodynamics of ionic microgels. Physical Review E, 2002, 65, 036143.	0.8	36
27	Charge renormalization and phase separation in colloidal suspensions. Europhysics Letters, 2001, 53, 86-92.	0.7	67
28	Counterion correlations and attraction between like-charged macromolecules. Physical Review E, 2001, 64, 011804.	0.8	51
29	Scaling behavior in explosive fragmentation. Physical Review E, 2000, 62, 4742-4746.	0.8	45
30	Density-functional theory for attraction between like-charged plates. Physica A: Statistical Mechanics and Its Applications, 1999, 274, 433-445.	1.2	49
31	Sine-Gordon mean field theory of a Coulomb gas. Physical Review E, 1997, 56, 619-622.	0.8	17
32	Melting of a colloidal crystal. Physica A: Statistical Mechanics and Its Applications, 1997, 247, 235-246.	1.2	5
33	Neutral polyampholyte in an ionic solution. Physical Review E, 1996, 54, 6516-6525.	0.8	18