Stefan Sokolowski

List of Publications by Year in Descending Order

377 papers	4,765 citations	29 h-index	47 g-index
389 ext. papers	4,937 ext. citations	3.4 avg, IF	5.4 L-index

#	Paper	IF	Citations
377	A novel prewetting behavior of water adsorbed on solid surfaces modified with tethered chains resulting from a density functional theory. *Journal of Molecular Liquids*, **2022**, 119111	6	0
376	Molecular Dynamic study of model two-dimensional systems involving Janus dumbbells and spherical particles. *Condensed Matter Physics*, **2021**, 24, 33401	1.3	0
375	Phase behavior of water-like models in nanoscopic pores of slit shape. Predictions from a density functional theory. *Condensed Matter Physics*, **2021**, 24, 33601	1.3	0
374	On the solvation force of water-like fluid models with square-well attraction and site–site association in slit-like pores: density functional approach. *Molecular Physics*, **2020**, 118, 1615647	1.7	5
373	Density functional theory for the microscopic structure of nanoparticles at the liquid-liquid interface. *Physical Chemistry Chemical Physics*, **2019**, 21, 3073-3082	3.6	6
372	Amphiphilic Dimers at Liquid-Liquid Interfaces: A Density Functional Approach. *Journal of Physical Chemistry B*, **2019**, 123, 5962-5972	3.4	3
371	Density functional approach to the description of the structure of dimer nanoparticles at liquid-liquid interfaces. *Physical Chemistry Chemical Physics*, **2019**, 21, 11181-11192	3.6	1
370	Janus Dimers at Liquid-Liquid Interfaces. *Journal of Physical Chemistry B*, **2019**, 123, 4139-4147	3.4	6
369	On the interdigitation of molecular brushes and solvation force upon adsorption of water in slit-like pores with grafted chains. Density functional approach. *Journal of Chemical Physics*, **2019**, 151, 064704	3.9	2
368	On the phase behavior of model fluids with square-well attraction in slit-like pores. Density functional approach. *Fluid Phase Equilibria*, **2019**, 483, 92-100	2.5	3
367	Self-organisation in two dimensional system involving patchy and isotropic disks. *Molecular Physics*, **2019**, 117, 2802-2813	1.7	3
366	Gelation of patchy ligand shell nanoparticles decorated by liquid-crystalline ligands: computer simulation study. *Soft Matter*, **2018**, 14, 3799-3810	3.6	4
365	Adsorption of hairy particles with mobile ligands: Molecular dynamics and density functional study. *Journal of Chemical Physics*, **2018**, 148, 044705	3.9	2
364	Self-assembly of hairy disks in two dimensions - insights from molecular simulations. *Soft Matter*, **2018**, 14, 3115-3126	3.6	7
363	On the theoretical description of the liquid-vapor coexistence of water-like models with square-well attraction and site-site chemical association. *Fluid Phase Equilibria*, **2018**, 473, 145-153	2.5	9
362	Molecular dynamics and density functional study of the structure of hairy particles at a hard wall. *Journal of Molecular Liquids*, **2018**, 270, 191-202	6	0
361	Towards the description of adsorption of water in slit-like pores with walls covered by molecular brushes. *Journal of Chemical Physics*, **2018**, 149, 234703	3.9	5

360	Adsorption and phase behavior of water-like fluid models with square-well attraction and site-site association in slit-like pores: Density functional approach. *Journal of Chemical Physics*, **2018**, 149, 134701	3.9	13
359	Effective interactions between a pair of particles modified with tethered chains. *Journal of Chemical Physics*, **2017**, 147, 044903	3.9	12
358	Self-assembly of Janus disks induced by small molecules in two-dimensional systems. *Journal of Chemical Physics*, **2017**, 147, 014904	3.9	10
357	Integral equations theory for two-dimensional systems involving nanoparticles*. *Molecular Physics*, **2017**, 115, 1065-1073	1.7	5
356	A comparison of molecular dynamics results for two models of nanoparticles with fixed and mobile ligands in two-dimensions. *Applied Surface Science*, **2017**, 396, 1343-1351	6.7	9
355	Statistical Surface Thermodynamics **2016**, 883-1253		5
354	Phase behavior of decorated soft disks in two dimensions. *Journal of Chemical Physics*, **2016**, 145, 224703	3.9	8
353	Monte Carlo simulations of a model two-dimensional, two-patch colloidal particles. *Journal of Chemical Physics*, **2015**, 143, 064509	3.9	4
352	Adsorption on chemically bonded chain layers with embedded active groups. *Molecular Physics*, **2015**, 113, 1014-1021	1.7	3
351	Mixtures of ions and amphiphilic molecules in slit-like pores: A density functional approach. *Journal of Chemical Physics*, **2015**, 142, 164703	3.9	4
350	Re-entrant phase behavior in confined two-patch colloidal particles. *Journal of Physical Chemistry B*, **2014**, 118, 9076-84	3.4	13
349	Adsorption-induced changes of the structure of the tethered chain layers in a simple fluid. *Journal of Chemical Physics*, **2014**, 140, 234904	3.9	0
348	The structure and properties of a simple model mixture of amphiphilic molecules and ions at a solid surface. *Journal of Chemical Physics*, **2014**, 140, 174706	3.9	6
347	Description of fluid-tethered chains interfaces: advances in density functional theories and off-lattice computer simulations. *Condensed Matter Physics*, **2014**, 17, 12601	1.3	5
346	Solvent primitive model of an electric double layer in slit-like pores: microscopic structure, adsorption and capacitance from a density functional approach. *Condensed Matter Physics*, **2014**, 17, 23603	1.3	3
345	Terminally grafted chain layers in oligomer-monomer solutions: predictions from a density functional theory. *Journal of Physical Chemistry B*, **2013**, 117, 10293-303	3.4	7
344	Fluid of Janus molecules between two walls: the solvation force. *Journal of Chemical Physics*, **2013**, 139, 224711	3.9	5
343	Janus particles at walls modified with tethered chains. *Journal of Physical Chemistry B*, **2013**, 117, 1166-75	3.4	17

342	Stretching tethered polymer chains: density functional approach. *Journal of Chemical Physics*, **2013**, 138, 204707	3.9	4
341	Restricted primitive model for electrolyte solutions in slit-like pores with grafted chains: microscopic structure, thermodynamics of adsorption, and electric properties from a density functional approach. *Journal of Chemical Physics*, **2013**, 138, 204715	3.9	17
340	Dissipative particle dynamics study of solvent mediated transitions in pores decorated with tethered polymer brushes in the form of stripes. *Condensed Matter Physics*, **2013**, 16, 13606	1.3	3
339	Adsorption from binary solutions on the polymer-tethered surfaces. *Journal of Physical Chemistry B*, **2012**, 116, 3115-24	3.4	10
338	Melting and Low-Temperature Structures of Mixed ArKr Monolayer Films on Graphite. *Journal of Physical Chemistry C*, **2012**, 116, 753-763	3.8	4
337	Adsorption from oligomer-monomer solutions on the surfaces modified with end-grafted chains. *Journal of Physical Chemistry B*, **2012**, 116, 12842-9	3.4	7
336	Phase behavior of mixed submonolayer films of krypton and xenon on graphite. *Journal of Chemical Physics*, **2012**, 136, 144702	3.9	1
335	Adsorption of ions on surfaces modified with brushes of polyampholytes. *Journal of Chemical Physics*, **2012**, 137, 074707	3.9	11
334	Electric double layer capacitance of restricted primitive model for an ionic fluid in slit-like nanopores: A density functional approach. *Journal of Chemical Physics*, **2012**, 137, 234705	3.9	29
333	On the contact values of the density profiles in an electric double layer using density functional theory. *Condensed Matter Physics*, **2012**, 15, 23801	1.3	4
332	Solvation force between tethered polyelectrolyte layers. A density functional approach. *Condensed Matter Physics*, **2012**, 15, 33801	1.3	2
331	Nanostructures in a binary mixture confined in slit-like pores with walls decorated with tethered polymer brushes in the form of stripes: dissipative particle dynamics study. *Journal of Chemical Physics*, **2011**, 134, 204903	3.9	4
330	The phase behavior of two-dimensional symmetrical mixtures in a weak external field of square symmetry. *Journal of Chemical Physics*, **2011**, 134, 214705	3.9	1
329	A density functional approach to retention in chromatography with chemically bonded phases. *Journal of Chromatography A*, **2011**, 1218, 711-20	4.5	10
328	Adsorption of oligomers on the polymer-tethered surfaces. *Journal of Colloid and Interface Science*, **2011**, 356, 267-76	9.3	12
327	Unusual mechanism of capillary condensation in pores modified with chains forming pillars. *Journal of Chemical Physics*, **2011**, 135, 054703	3.9	2
326	Phase behavior of binary symmetric mixtures in pillared slit-like pores: a density functional approach. *Journal of Chemical Physics*, **2011**, 134, 214702	3.9	8
325	Complex phase behavior of a fluid in slits with semipermeable walls modified with tethered chains. *Journal of Chemical Physics*, **2011**, 134, 044705	3.9	6

324	Direct correlation function for complex square barrier-square well potentials in the first-order mean spherical approximation. *Journal of Chemical Physics*, **2011**, 134, 114101	3.9	9
323	Microscopic structure and thermodynamics of a core-softened model fluid from the second-order integral equations theory. *Condensed Matter Physics*, **2011**, 14, 13601	1.3	5
322	The liquid-vapor interface of the restricted primitive model of ionic fluids from a density functional approach. *Condensed Matter Physics*, **2011**, 14, 13603	1.3	3
321	The phase behavior of two-dimensional symmetrical mixtures. *Journal of Chemical Physics*, **2010**, 133, 244501	3.9	10
320	Phase behavior of a two-dimensional and confined in slitlike pores square-shoulder, square-well fluid. *Journal of Chemical Physics*, **2010**, 132, 164702	3.9	15
319	Interplay between demixing and freezing in two-dimensional symmetrical mixtures. *Physical Review E*, **2010**, 81, 012501	2.4	8
318	Density functional approach to the description of fluids in contact with bilayers. *Journal of Chemical Physics*, **2010**, 132, 244704	3.9	11
317	Two-dimensional symmetrical mixtures in an external field of square symmetry. *Journal of Physical Chemistry B*, **2010**, 114, 396-406	3.4	4
316	Influence of a small amount of tethered chains on wetting transitions: A density functional approach. *Collection of Czechoslovak Chemical Communications*, **2010**, 75, 221-241		8
315	Entropic solvation force between surfaces modified by grafted chains: a density functional approach. *Condensed Matter Physics*, **2010**, 13, 13602	1.3	4
314	Microscopic structure and thermodynamics of a core-softened model fluid: insights from grand canonical Monte Carlo simulations and integral equations theory. *Journal of Chemical Physics*, **2009**, 130, 174504	3.9	18
313	Density functional study of flexible chain molecules at curved surfaces. *Journal of Chemical Physics*, **2009**, 131, 094904	3.9	5
312	Direct correlation function of the square-well fluid with attractive well width up to two particle diameters. *Journal of Chemical Physics*, **2009**, 130, 234511	3.9	21
311	Solvation force between surfaces modified by tethered chains: a density functional approach. *Journal of Chemical Physics*, **2009**, 130, 134501	3.9	10
310	Dynamics of monolayer films formed on a substrate of square symmetry. *Adsorption*, **2009**, 15, 254-263	2.6	
309	A core-softened fluid model in disordered porous media. Grand canonical Monte Carlo simulation and integral equations. *Physica A: Statistical Mechanics and Its Applications*, **2009**, 388, 2278-2288	3.3	8
308	Detailed structural analysis of a 2 molal aqueous rubidium bromide solution: A combined molecular dynamics and Reverse Monte Carlo approach. *Journal of Molecular Liquids*, **2009**, 147, 52-55	6	11
307	Ground-state properties of two-dimensional symmetrical mixtures in an external field of square symmetry. *Journal of Physical Chemistry B*, **2009**, 113, 13687-96	3.4	3

306	Density functional approach to adsorption and retention of spherical molecules on surfaces modified with end-grafted polymers. *Journal of Physical Chemistry B*, **2009**, 113, 4763-70	3.4	26
305	Trends in soil fractal parameters caused by accumulation of soil organic matter as resulting from the analysis of water vapor adsorption isotherms. *Ecological Complexity*, **2009**, 6, 254-262	2.6	6
304	Comparison of interaction potentials of liquid water with respect to their consistency with neutron diffraction data of pure heavy water. *Journal of Chemical Physics*, **2008**, 129, 184103	3.9	28
303	Density functional approach to adsorption of simple fluids on surfaces modified with a brush-like chain structure. *Journal of Physical Chemistry B*, **2008**, 112, 4552-60	3.4	15
302	Restricted primitive model for electrolyte solutions in contact with solid surface modified by grafted chains: a density functional approach. *Journal of Chemical Physics*, **2008**, 128, 024907	3.9	10
301	Phase behavior of a fluid confined in slitlike pores with walls modified by preadsorbed chain molecules. *Journal of Chemical Physics*, **2008**, 128, 044702	3.9	11
300	Incommensurate monolayers of Archimedean tiling formed on a square lattice. *Journal of Physics Condensed Matter*, **2008**, 20, 494226	1.8	3
299	Phase diagram of a square-shoulder, square-well fluid revisited. *Journal of Chemical Physics*, **2008**, 129, 124502	3.9	16
298	Nucleation of fluids confined between parallel walls: a lattice Monte Carlo study. *Physical Review E*, **2008**, 77, 061602	2.4	7
297	Patrykiewjew and Soko□wski Reply:. *Physical Review Letters*, **2008**, 100,	7.4	3
296	Fractal Approach to Adsorption/Desorption Processes on Environmental Surfaces **2008**, 179-220		1
295	Order□Disorder Phase Transitions in Adsorbed Films. I. Monolayer and Bilayer Films of Square Symmetry□ *Journal of Physical Chemistry C*, **2007**, 111, 15664-15676	3.8	4
294	Interfacial Properties and Adsorption of Polymer□Solvent Binary Mixtures□ *Journal of Physical Chemistry C*, **2007**, 111, 15523-15532	3.8	8
293	Phase Behavior of Lennard-Jones Fluids in Slit-like Pores with Walls Modified by Preadsorbed Molecules: A Density Functional Approach□ *Journal of Physical Chemistry C*, **2007**, 111, 15743-15751	3.8	11
292	Depletion potentials between colloids and patterned surfaces. *Applied Surface Science*, **2007**, 253, 5802-5806		7
291	Capillary condensation in pores with rough walls: a density functional approach. *Journal of Colloid and Interface Science*, **2007**, 313, 41-52	9.3	22
290	Adsorption of short heteropolymers in slitlike pores. *Journal of Colloid and Interface Science*, **2007**, 314, 349-57	9.3	4
289	Density functional theory of adsorption in pillared slit-like pores. *Journal of Colloid and Interface Science*, **2007**, 316, 652-9	9.3	10

288	Simple density functional approach to adsorption of biomolecules on solid surfaces. *Journal of Chemical Physics*, **2007**, 126, 094704	3.9	14
287	Monte Carlo study of Widom-Rowlinson interface. *Journal of Chemical Physics*, **2007**, 126, 106101	3.9	5
286	Density functional approach to the adsorption of spherical molecules on a surface modified with attached short chains. *Journal of Chemical Physics*, **2007**, 126, 214703	3.9	36
285	Density functional description of adsorption in slitlike pores modified with chain molecules: a simple model for pillaredlike materials. *Journal of Chemical Physics*, **2007**, 127, 174707	3.9	9
284	Two-dimensional quasicrystals of decagonal order in one-component monolayer films. *Physical Review Letters*, **2007**, 99, 156101	7.4	8
283	On the Melting and Disordering of Thin Epitaxial Films. *Adsorption Science and Technology*, **2007**, 25, 451-461	3.6	
282	The Structural Properties and Diffusion of a Three-Dimensional Isotropic Core-Softened Model Fluid in Disordered Porous Media. Molecular Dynamics Simulation. *Adsorption Science and Technology*, **2007**, 25, 479-491	3.6	3
281	Density functional theory for inhomogeneous associating chain fluids. *Journal of Chemical Physics*, **2006**, 125, 24909	3.9	31
280	Structure and phase behavior of Widom-Rowlinson model calculated from a nonuniform Ornstein-Zernike equation. *Journal of Chemical Physics*, **2006**, 125, 114505	3.9	7
279	On the structure of bilayer condensed phases confined between crystalline walls of triangular symmetry. *Journal of Chemical Physics*, **2006**, 124, 194705	3.9	6
278	The role of fluid wall association on adsorption of chain molecules at functionalized surfaces: a density functional approach. *Journal of Chemical Physics*, **2006**, 124, 164703	3.9	11
277	On the effects of ion-wall chemical association on the electric double layer: a density functional approach for the restricted primitive model at a charged wall. *Journal of Chemical Physics*, **2006**, 125, 24512	3.9	10
276	Adsorption of short chains in slitlike pores: a quantitative comparison between density functional approach and Monte Carlo simulations. *Molecular Physics*, **2006**, 104, 3479-3489	1.7	5
275	On the structure of condensed phases confined between crystalline walls of triangular symmetry. *Molecular Physics*, **2006**, 104, 3501-3512	1.7	2
274	Chemical potential of a hard sphere fluid adsorbed in model disordered polydisperse matrices. *Journal of Colloid and Interface Science*, **2006**, 298, 306-12	9.3	1
273	Density functional theory of adsorption of mixtures of charged chain particles and spherical counterions. *Journal of Chemical Physics*, **2005**, 122, 174906	3.9	14
272	On the separation of nonadditive symmetric mixtures in nanoscopic slitlike pores: A simple model for racemic fluids. *Journal of Physical Chemistry B*, **2005**, 109, 14227-34	3.4	12
271	Phase transition of short linear molecules adsorbed on solid surfaces from a density functional approach. *Journal of Physical Chemistry B*, **2005**, 109, 2977-84	3.4	47

270	Temperature dependence of the double layer capacitance for the restricted primitive model of an electrolyte solution from a density functional approach. *Journal of Chemical Physics*, **2005**, 122, 84504	3.9	74
269	Density functional theory for non-uniform associating ionic fluids. *Journal of Electroanalytical Chemistry*, **2005**, 575, 249-256	4.1	1
268	Adsorption of fluids in slitlike pores containing a small amount of mobile ions. *Journal of Colloid and Interface Science*, **2005**, 291, 223-8	9.3	1
267	Reentrant filling transitions in Lennard-Jones fluids confined in nanoscopic slit-like pores. *European Physical Journal E*, **2005**, 18, 425-36	1.5	5
266	Phase behavior of the restricted primitive model of ionic fluids with association in slitlike pores. Density-functional approach. *Journal of Chemical Physics*, **2005**, 122, 144707	3.9	20
265	Density-functional theory for fluid mixtures of charged chain particles and spherical counterions in contact with charged hard wall: Adsorption, double layer capacitance, and the point of zero charge. *Journal of Chemical Physics*, **2005**, 123, 214902	3.9	27
264	Temperature dependence of the double-layer capacitance for the restricted primitive model: the effect of chemical association between unlike ions. *Journal of Chemical Physics*, **2005**, 123, 016101	3.9	11
263	Density functional approach for inhomogeneous star polymer fluids. *Physical Review E*, **2005**, 72, 032801	2.4	36
262	Capillary condensation of short-chain molecules. *Journal of Chemical Physics*, **2005**, 122, 194904	3.9	28
261	The structure of fluids confined in crystalline slitlike nanoscopic pores. *Journal of Chemical Physics*, **2005**, 122, 074703	3.9	14
260	The liquid□vapour interface of chain molecules investigated using a density functional approach. *Journal of Physics Condensed Matter*, **2004**, 16, 8861-8873	1.8	19
259	Short chains at solid surfaces: wetting transition from a density functional approach. *Journal of Chemical Physics*, **2004**, 121, 11314-21	3.9	38
258	Phase behavior of a binary symmetric mixture in slitlike pores with opposing walls: application of density functional approach. *Physical Review E*, **2004**, 69, 061605	2.4	17
257	The structure of fluids confined in crystalline slitlike nanoscopic pores: bilayers. *Journal of Chemical Physics*, **2004**, 120, 1017-30	3.9	18
256	Phase behavior of ionic fluids in slitlike pores: a density functional approach for the restricted primitive model. *Journal of Chemical Physics*, **2004**, 121, 11957-64	3.9	62
255	Density functional theory for an electrolyte in a cylinder: the selectivity of a calcium channel. *Journal of Physics Condensed Matter*, **2004**, 16, S2193-S2201	1.8	10
254	Lennard-Jones fluids confined in nanoscopic slits: evidence for reentrant filling transitions. *European Physical Journal E*, **2004**, 13, 261-5	1.5	9
253	Phase behavior of symmetric binary mixtures with partially miscible components in spherical pores. Density functional approach. *Journal of Molecular Liquids*, **2004**, 112, 81-89	6	7

252	Bulk and interfacial properties of binary polymer mixtures. *Journal of Chemical Physics*, **2004**, 120, 8299-306	3.9	23
251	Demixing transitions in a binary Gaussian-core fluid confined in narrow slit-like pores. *Molecular Physics*, **2004**, 102, 801-810	1.7	6
250	Nonadditive Binary Hard Sphere Mixture in Disordered Hard Sphere Matrices: Integral Equations and Computer Simulation. *Journal of Physical Chemistry B*, **2004**, 108, 19442-19450	3.4	11
249	Phase behaviour of symmetric binary mixtures with partially miscible components in slit-like pores. Application of the fundamental measure density functional approach. *Journal of Physics Condensed Matter*, **2003**, 15, 2269-2283	1.8	11
248	Phase diagrams for a binary mixture confined in narrow slitlike pores with energetically heterogeneous walls from a lattice mean-field approach. *Journal of Physics Condensed Matter*, **2003** , 15, 3107-3119	1.8	5
247	Microscopic structure and properties of an interface between coexisting phases of an associating fluid adsorbed in slitlike pores. *Journal of Colloid and Interface Science*, **2003**, 260, 126-34	9.3	6
246	Capillary condensation of a binary mixture in slit-like pores. *Journal of Colloid and Interface Science*, **2003**, 259, 209-22	9.3	25
245	Computer modeling of the liquid vapor interface of an associating Lennard-Jones fluid. *Journal of Chemical Physics*, **2003**, 118, 329-336	3.9	23
244	Wetting behaviour of a model symmetric binary mixture with partially miscible components from a density functional approach. *Molecular Physics*, **2003**, 101, 1477-1486	1.7	8
243	Wetting behavior of associating binary mixtures at attractive walls: a lattice Monte Carlo study. *Physical Review E*, **2003**, 67, 061603	2.4	9
242	Effects of slit-like pore confinement on the closed loop immiscibility in symmetric binary model mixtures: fundamental measure density functional approach. *Molecular Physics*, **2003**, 101, 2219-2223	1.7	8
241	Demixing of a binary mixture in slit-like pores at high temperatures. *Molecular Physics*, **2003**, 101, 721-731	1.7	8
240	Phase behavior of symmetric binary mixture with partially miscible components in slitlike pores: Density functional approach. *Journal of Chemical Physics*, **2003**, 118, 6008-6016	3.9	6
239	On the structure of Lennard-Jones fluids confined in crystalline slitlike pores. *Journal of Chemical Physics*, **2003**, 118, 1891-1903	3.9	29
238	Phase behavior of lattice associating binary mixtures: a Monte Carlo study. *Physical Review E*, **2003**, 67, 031202	2.4	1
237	Molecular dynamics study of the formation of small crystallites of Lennard-Jones particles in slit-like pores with (100) fcc walls. *Molecular Physics*, **2003**, 101, 1867-1882	1.7	3
236	Phase behavior of Lennard-Jones fluids in pores formed between two cylindrical walls. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2002**, 208, 199-209	5.1	3
235	Fractal dimension of peat soils from adsorption and from water retention experiments. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2002**, 208, 289-301	5.1	10

234	Incommensurate phases in adsorbed monolayers: structure and energy of domain walls. *Surface Science*, **2002**, 512, 1-15	1.8	11
233	Theory of adsorption in a polydisperse templated porous material: Hard sphere systems. *Journal of Chemical Physics*, **2002**, 116, 4286-4292	3.9	9
232	Phase coexistence and interface structure of a two-component Lennard-Jones fluid in porous media: application of Born□Green□Yvon equation. *Molecular Physics*, **2002**, 100, 1905-1910	1.7	6
231	The application of density functional theory and the generalized mean spherical approximation to double layers containing strongly coupled ions. *Journal of Physics Condensed Matter*, **2002**, 14, 11945-11954	1.8	24
230	Phase behaviour of a fluid in slit-like pores with differently adsorbing walls: application of a density functional approach. *Journal of Physics Condensed Matter*, **2002**, 14, 165-172	1.8	6
229	Local structure, fluctuations, and freezing in two dimensions. *Physical Review B*, **2002**, 66,	3.3	24
228	Monte Carlo, density functional theory, and Poisson□Boltzmann theory study of the structure of an electrolyte near an electrode. *Journal of Chemical Physics*, **2002**, 116, 7170-7176	3.9	135
227	Phase behavior of films adsorbed on model crystal surfaces. *Journal of Chemical Physics*, **2002**, 117, 3369-3382	3.9	9
226	Adsorption of nitrogen and water vapor by alluvial soils. *Geoderma*, **2002**, 107, 33-54	6.7	21
225	Monte Carlo simulation of adsorption on preadsorbed layers. *Surface Science*, **2002**, 506, 47-65	1.8	7
224	Comparison of fractal dimensions of soils estimated from adsorption isotherms, mercury intrusion, and particle size distribution. *Journal of Plant Nutrition and Soil Science*, **2001**, 164, 591	2.3	10
223	The influence of random changes in the adsorbing potential on phase transitions in a Lennard-Jones fluid confined to energetically heterogeneous slit-like pores. *Molecular Physics*, **2001**, 99, 1589-1594	1.7	4
222	Density functional approach to adsorption of a polydisperse fluid in slit-like pores. *Molecular Physics*, **2001**, 99, 57-63	1.7	11
221	Density Functional Study of a Simple Membrane Using the Solvent Primitive Model. *Journal of Colloid and Interface Science*, **2001**, 239, 432-439	9.3	8
220	Adsorption and Phase Transitions in Slit-like Pores with Differently Adsorbing Walls. *Journal of Colloid and Interface Science*, **2001**, 240, 219-223	9.3	5
219	Capillary Condensation in Pores with Energetically Heterogeneous Walls: Density Functional versus Monte Carlo Calculations. *Journal of Colloid and Interface Science*, **2001**, 241, 169-177	9.3	19
218	Adsorption and phase transitions in a two-site associating Lennard-Jones fluid confined to energetically heterogeneous slit-like pores; application of the density functional method. *Journal of Physics Condensed Matter*, **2001**, 13, 1361-1379	1.8	20
217	A simple model of adsorption by swelling porous materials: application of a density functional approach. *Journal of Physics Condensed Matter*, **2001**, 13, 6151-6164	1.8	4

216	Polydisperse fluid in contact with a semipermeable membrane. *Molecular Physics*, **2001**, 99, 1709-1717	1.7	4
215	On the orientational effects in monolayers of diatomic molecules. *Journal of Chemical Physics*, **2001**, 115, 4839-4849	3.9	2
214	On the ground state structure of monolayers on the (100) face of fcc crystals. *Journal of Chemical Physics*, **2001**, 115, 983-993	3.9	20
213	Phase Transitions in Adsorbed Layers Formed on the (100) Plane of Face Centered Cubic Crystals. *Langmuir*, **2001**, 17, 938-947	4	14
212	Density functional approach to adsorption of a polydisperse fluid in slit-like pores. *Molecular Physics*, **2001**, 99, 57-63	1.7	5
211	The phase behaviour of a fluid in a slitlike pore with permeable walls. *Molecular Physics*, **2000**, 98, 117-123	1.7	2
210	Wetting of Crystalline Solids by Associating Fluids. *Journal of Colloid and Interface Science*, **2000**, 225, 147-153	9.3	1
209	Density Functional Theory and the Capillary Evaporation of a Liquid in a Slit. *Journal of Colloid and Interface Science*, **2000**, 227, 223-226	9.3	26
208	Effects of Pore-Pore Correlations on Capillary Condensation in an Ensemble of Slit-like Pores: Application of a Density Functional Theory. *Journal of Colloid and Interface Science*, **2000**, 228, 135-140	9.3	3
207	Adsorption of Fluids in Pores Formed between Two Hard Cylinders. *Journal of Colloid and Interface Science*, **2000**, 229, 526-533	9.3	10
206	Monte Carlo simulation of mixed multilayer adsorption: layering transitions and wetting phenomena in non-ideal mixtures. *Thin Solid Films*, **2000**, 379, 297-307	2.2	7
205	Phase transitions in adsorbed layers formed on crystals of square and rectangular surface lattice. *Surface Science Reports*, **2000**, 37, 207-344	12.9	150
204	Overlapping Associating Fluids with Directional Bonds in a Bulk and Near a Hard Wall: Monte Carlo Study. *Journal of Statistical Physics*, **2000**, 100, 153-166	1.5	
203	Effects of polydispersity in quenched-annealed fluids: An integral equation approach. *European Physical Journal D*, **2000**, 50, 769-783		2
202	Surface fractal dimension of thermally treated peat soils from adsorption isotherms of nitrogen. *Journal of Plant Nutrition and Soil Science*, **2000**, 163, 441-446	2.3	6
201	Application of the density functional method to study adsorption and phase transitions in two-site associating, Lennard-Jones fluids in cylindrical pores. *Journal of Physics Condensed Matter*, **2000**, 12, 8785-8800	1.8	14
200	Critical behavior of simple fluids confined by microporous materials. *Journal of Chemical Physics*, **2000**, 113, 9772-9777	3.9	8
199	Simulation and density functional study of a simple membrane. II. Solvent effects using the solvent primitive model. *Journal of Chemical Physics*, **2000**, 113, 802-806	3.9	22

198	Evaluation of liquid–vapor density profiles for associating fluids in pores from density-functional theory. *Journal of Chemical Physics*, **2000**, 113, 10761-10767	3.9	39
197	Substrate roughness-enhanced wetting in a two-dimensional Ising model with boundary fields. *Surface Science*, **2000**, 448, 11-22	1.8	2
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