Frans A M Leermakers

List of Publications by Year
in descending order

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267 papers	7,290 citations	57758 44 h-index	95266 68 g-index
274 all docs	274 docs citations	274 times ranked	5174 citing authors

#	Article	IF	Citations
1	Colloidal particles interacting with a polymer brush: a self-consistent field theory. Physical Chemistry Chemical Physics, 2022, 24, 8463-8476.	2.8	6
2	Computer modeling of polymer stars in variable solvent conditions: a comparison of MD simulations, self-consistent field (SCF) modeling and novel hybrid Monte Carlo SCF approach. Soft Matter, 2021, 17, 580-591.	2.7	3
3	Bioflocculants from wastewater: Insights into adsorption affinity, flocculation mechanisms and mixed particle flocculation based on biopolymer size-fractionation. Journal of Colloid and Interface Science, 2021, 581, 533-544.	9.4	27
4	Effects of feed composition on the fouling on cation-exchange membranes desalinating polymer-flooding produced water. Journal of Colloid and Interface Science, 2021, 584, 634-646.	9.4	15
5	Structural and mechanical parameters of lipid bilayer membranes using a lattice refined self-consistent field theory. Physical Chemistry Chemical Physics, 2021, 23, 5152-5175.	2.8	4
6	Theory of Microphase Segregation in ABA Triblock Comb-Shaped Copolymers: Lamellar Mesophase. Macromolecules, 2021, 54, 4747-4759.	4.8	5
7	Self-consistent field modeling of mesomorphic phase changes of monoolein and phospholipids in response to additives. Physical Chemistry Chemical Physics, 2021, 23, 14093-14108.	2.8	4
8	(Homo)polymer-mediated colloidal stability of micellar solutions. Soft Matter, 2020, 16, 1560-1571.	2.7	7
9	Dendron Brushes in Polymer Medium: Interpenetration and Depletion. Macromolecules, 2020, 53, 387-397.	4.8	4
10	Virtual Special Issue in memory of Hans Lyklema (1930â€“2017). Advances in Colloid and Interface Science, 2020, 282, 102201.	14.7	0
11	Step-wise linking of vesicles by combining reversible and irreversible linkers â€“ towards total control on vesicle aggregate sizes. Soft Matter, 2020, 16, 6773-6783.	2.7	2
12	Self-Consistent Field Modeling of Pulling a Test-Chain away from or Pushing It into a Polymer Adsorption Layer. Polymers, 2020, 12, 1684.	4.5	2
13	SCF Theory of Uniformly Charged Dendrimers: Impact of Asymmetry of Branching, Generation Number, and Salt Concentration. Macromolecules, 2020, 53, 7298-7311.	4.8	6
14	Structure and Colloidal Stability of Adsorption Layers of Macrocycle, Linear, Comb, Star, and Dendritic Macromolecules. Macromolecules, 2020, 53, 7322-7334.	4.8	5
15	Long Tails with Flower-like Conformations Undergo an Escape Transition in Homopolymer Adsorption Layers. Macromolecules, 2020, 53, 3900-3906.	4.8	3
16	Turning autophobic wetting on biomimetic surfaces into complete wetting by wetting additives. Soft Matter, 2020, 16, 4823-4839.	2.7	4
17	The physics of microemulsions extracted from modeling balanced tensionless surfactant-loaded liquidâ€“liquid interfaces. Journal of Chemical Physics, 2020, 152, 094902.	3.0	0
18	Self-limiting aggregation of phospholipid vesicles. Soft Matter, 2020, 16, 2379-2389.	2.7	11

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19	Electroresponsive Polyelectrolyte Brushes Studied by Self-Consistent Field Theory. Polymers, 2020, 12, 898.	4.5	9
20	Entropy estimates of a hard sphere system by data compression of Monte Carlo simulation data. Soft Matter, 2020, 16, 3740-3745.	2.7	2
21	Plasticity in colloidal gel strands. Soft Matter, 2019, 15, 6447-6454.	2.7	12
22	Influence of solution composition on fouling of anion exchange membranes desalinating polymer-flooding produced water. Journal of Colloid and Interface Science, 2019, 557, 381-394.	9.4	34
23	Temperature-Induced Re-Entrant Morphological Transitions in Block-Copolymer Micelles. Langmuir, 2019, 35, 2680-2691.	3.5	9
24	Coarseâ€Grained Dendrimers in a Good Solvent: Comparison of Monte Carlo Simulations, Selfâ€Consistent Field Theory, and a Hybrid Modeling Strategy. Macromolecular Theory and Simulations, 2019, 28, 1800064.	1.4	2
25	Elastic properties of symmetric liquid-liquid interfaces. Physical Review E, 2019, 100, 062801.	2.1	1
26	Non-linear elasticity effects and stratification in brushes of branched polyelectrolytes. Journal of Chemical Physics, 2019, 151, 214902.	3.0	1
27	Electrostatic stiffening and induced persistence length for coassembled molecular bottlebrushes. Physical Review E, 2018, 97, 032501.	2.1	2
28	Impact of Macromolecular Architecture on Bending Rigidity of Dendronized Surfaces. Macromolecules, 2018, 51, 3315-3329.	4.8	4
29	Behavior of Weak Polyelectrolyte Brushes in Mixed Salt Solutions. Macromolecules, 2018, 51, 1198-1206.	4.8	25
30	Sign Switch of Gaussian Bending Modulus for Microemulsions: A Self-Consistent Field Analysis Exploring Scale Invariant Curvature Energies. Physical Review Letters, 2018, 120, 028003.	7.8	6
31	Force and Scale Dependence of the Elasticity of Self-Assembled DNA Bottle Brushes. Macromolecules, 2018, 51, 204-212.	4.8	12
32	Self-Assembly of Lysine-Based Dendritic Surfactants Modeled by the Self-Consistent Field Approach. Langmuir, 2018, 34, 1613-1626.	3.5	23
33	One-step mild biorefinery of functional biomolecules from microalgae extracts. Reaction Chemistry and Engineering, 2018, 3, 182-187.	3.7	19
34	Self-Consistent Field Modeling of Homopolymers at Interfaces in the Long Chain Length Limit. Polymer Science - Series C, 2018, 60, 18-24.	1.7	3
35	Self-Consistent Field Analysis of Molecular Bottle-Brushes with Primary and Secondary Side Chains: Induced Persistence Length and Lateral Thickness. Polymer Science - Series C, 2018, 60, 160-171.	1.7	0
36	A Hybrid Monte Carlo Self-Consistent Field Model of Physical Gels of Telechelic Polymers. Journal of Chemical Theory and Computation, 2018, 14, 6532-6543.	5.3	6

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37	Structure and properties of polydisperse polyelectrolyte brushes studied by self-consistent field theory. Soft Matter, 2018, 14, 6230-6242.	2.7	16
38	Microphase Segregation of Diblock Copolymers Studied by the Self-Consistent Field Theory of Scheutjens and Fleer. Polymers, 2018, 10, 78.	4.5	8
39	Dendron and Hyperbranched Polymer Brushes in Good and Poor Solvents. Langmuir, 2017, 33, 1315-1325.	3.5	20
40	Structure and lubrication of solvent-free dendron brushes. Polymer, 2017, 120, 223-235.	3.8	8
41	Bending moduli of dendritic polymer brushes in a good solvent. Polymer Science - Series A, 2017, 59, 772-783.	1.0	1
42	Modeling of Polyelectrolyte Adsorption from Micellar Solutions onto Biomimetic Substrates. Journal of Physical Chemistry B, 2017, 121, 8638-8651.	2.6	20
43	Unfolding of a comb-like polymer in a poor solvent: translation of macromolecular architecture in the forceâ€“deformation spectra. Soft Matter, 2017, 13, 9147-9161.	2.7	3
44	Complex coacervates formed across liquid interfaces: A self-consistent field analysis. Advances in Colloid and Interface Science, 2017, 239, 17-30.	14.7	5
45	Interaction forces and lubrication of dendronized surfaces. Current Opinion in Colloid and Interface Science, 2017, 27, 50-56.	7.4	15
46	Three-gradient regular solution model for simple liquids wetting complex surface topologies. Beilstein Journal of Nanotechnology, 2016, 7, 1377-1396.	2.8	1
47	Loss of bottlebrush stiffness due to free polymers. Soft Matter, 2016, 12, 8004-8014.	2.7	9
48	Self-Organization of Polyurethane Pre-Polymers as Studied by Self-Consistent Field Theory. Macromolecular Theory and Simulations, 2016, 25, 16-27.	1.4	13
49	Design of block-copolymer-based micelles for active and passive targeting. Physical Review E, 2016, 94, 042503.	2.1	4
50	Enhanced stiffness of silkâ€like fibers by loop formation in the corona leads to stronger gels. Biopolymers, 2016, 105, 795-801.	2.4	1
51	Brushes of Cycled Macromolecules: Structure and Lubricating Properties. Macromolecules, 2016, 49, 8758-8767.	4.8	27
52	Theory of Brushes Formed by Î¨-Shaped Macromolecules at Solidâ€“Liquid Interfaces. Langmuir, 2015, 31, 6514-6522.	3.5	29
53	Interactions between nodes in a physical gel network of telechelic polymers; self-consistent field calculations beyond the cell model. Physical Chemistry Chemical Physics, 2015, 17, 9001-9014.	2.8	10
54	Liquid Crystals of Self-Assembled DNA Bottlebrushes. Journal of Physical Chemistry B, 2015, 119, 4084-4092.	2.6	21

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55	Self-Assembled Structures of PMAAâ€“PMMA Block Copolymers: Synthesis, Characterization, and Self-Consistent Field Computations. Macromolecules, 2015, 48, 1194-1203.	4.8	18
56	On the edge energy of lipid membranes and the thermodynamic stability of pores. Journal of Chemical Physics, 2015, 142, 034101.	3.0	17
57	Surfactantâ€“polymer interactions: molecular architecture does matter. Soft Matter, 2015, 11, 2504-2511.	2.7	37
58	Structure of Multiresponsive Brush-Decorated Nanoparticles: A Combined Electrokinetic, DLS, and SANS Study. Langmuir, 2015, 31, 4779-4790.	3.5	31
59	Structure of Mixed Brushes Made of Arm-Grafted Polymer Stars and Linear Chains. Macromolecules, 2015, 48, 2263-2276.	4.8	18
60	Ideal Mixing in Multicomponent Brushes of Branched Polymers. Macromolecules, 2015, 48, 8025-8035.	4.8	26
61	Responsive polymer brushes for controlled nanoparticle exposure. Nanoscale, 2015, 7, 17871-17878.	5.6	17
62	Reentrant Stabilization of Grafted Nanoparticles in Polymer Solutions. Journal of Physical Chemistry B, 2015, 119, 12938-12946.	2.6	3
63	Persistence length of dendronized polymers: the self-consistent field theory. Soft Matter, 2015, 11, 9367-9378.	2.7	22
64	Linking lipid architecture to bilayer structure and mechanics using self-consistent field modelling. Journal of Chemical Physics, 2014, 140, 065102.	3.0	19
65	Ultrastrong Anchoring Yet Barrierâ€Free Adsorption of Composite Microgels at Liquid Interfaces. Advanced Materials Interfaces, 2014, 1, 1300121.	3.7	54
66	Dendron brushes and dendronized polymers: a theoretical outlook. Soft Matter, 2014, 10, 2093-2101.	2.7	51
67	Interaction of a Hydrophobic Weak Polyelectrolyte Star with an Apolar Surface. Langmuir, 2014, 30, 48-54.	3.5	3
68	Coverage and Disruption of Phospholipid Membranes by Oxide Nanoparticles. Langmuir, 2014, 30, 14581-14590.	3.5	32
69	Modeling of Ionization and Conformations of Starlike Weak Polyelectrolytes. Macromolecules, 2014, 47, 4004-4016.	4.8	58
70	Particles Decorated by an Ionizable Thermoresponsive Polymer Brush in Water: Experiments and Self-Consistent Field Modeling. Journal of Physical Chemistry B, 2014, 118, 3192-3206.	2.6	14
71	Adhesion and Friction Properties of Polymer Brushes: Fluoro versus Nonfluoro Polymer Brushes at Varying Thickness. Langmuir, 2014, 30, 2068-2076.	3.5	44
72	Interactions between Brushes of Root-Tethered Dendrons. Macromolecules, 2014, 47, 6932-6945.	4.8	27

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73	Interfacial Tension and Wettability in Waterâ€“Carbon Dioxide Systems: Experiments and Self-consistent Field Modeling. Journal of Physical Chemistry B, 2013, 117, 8524-8535.	2.6	15
74	A liquid CO2-compatible hydrocarbon surfactant: experiment and modelling. Physical Chemistry Chemical Physics, 2013, 15, 19879.	2.8	2
75	Direct evaluation of the saddle splay modulus of a liquid-liquid interface using the classical mean field lattice model. Journal of Chemical Physics, 2013, 138, 124103.	3.0	3
76	Dendritic Spherical Polymer Brushes: Theory and Self-Consistent Field Modeling. Macromolecules, 2013, 46, 4651-4662.	4.8	35
77	Structure and Dynamics of Polyelectrolyte Complex Coacervates Studied by Scattering of Neutrons, X-rays, and Light. Macromolecules, 2013, 46, 4596-4605.	4.8	96
78	Self-consistent field predictions for quenched spherical biocompatible triblock copolymer micelles. Soft Matter, 2013, 9, 7515.	2.7	12
79	On the collapse transition of a polymer brush: the case of lateral mobility. Soft Matter, 2013, 9, 3341-3348.	2.7	5
80	Bending rigidities of surfactant bilayers using self-consistent field theory. Journal of Chemical Physics, 2013, 138, 154109.	3.0	8
81	Interaction of Silica Nanoparticles with Phospholipid Membranes. Chemistry Letters, 2012, 41, 1322-1324.	1.3	10
82	Collapse of Polyelectrolyte Star. Theory and Modeling. Macromolecules, 2012, 45, 2145-2160.	4.8	27
83	The influence of charge ratio on transient networks of polyelectrolyte complex micelles. Soft Matter, 2012, 8, 104-117.	2.7	34
84	A self-consistent field study of a hydrocarbon droplet at the airâ€“water interface. Physical Chemistry Chemical Physics, 2012, 14, 4917.	2.8	4
85	Polymer Compatibility in Two Dimensions. Modeling of Phase Behavior of Mixed Polymethacrylate Langmuir Films. Langmuir, 2012, 28, 5614-5621.	3.5	9
86	On the Two-Population Structure of Brushes Made of Arm-Grafted Polymer Stars. Macromolecules, 2012, 45, 7260-7273.	4.8	65
87	Hybrid Monte Carlo Self-Consistent Field Approach to Model a Thin Layer of a Polyelectrolyte Gel near an Adsorbing Surface. Journal of Physical Chemistry A, 2012, 116, 6574-6581.	2.5	6
88	Depletion profiles for dilute solutions of linear chains, stars and H-branched molecules by self-consistent field calculations and Monte Carlo simulations. Soft Matter, 2011, 7, 10258.	2.7	5
89	Mobility of fluorescently labeled polymer micelles in living cells. Soft Matter, 2011, 7, 1214-1218.	2.7	5
90	Thermally sensitive dual fluorescent polymeric micelles for probing cell properties. Soft Matter, 2011, 7, 11211.	2.7	16

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91	Comparison of Various Models to Describe the Chargeâ˜pH Dependence of Poly(acrylic acid). Journal of Chemical & Engineering Data, 2011, 56, 1602-1612.	1.9	23
92	PMMA Highlights the Layering Transition of PDMS in Langmuir Films. Langmuir, 2011, 27, 2501-2508.	3.5	13
93	Modeling the Structure and Antifouling Properties of a Polymer Brush of Grafted Comb-Polymers. Macromolecules, 2011, 44, 2334-2342.	4.8	41
94	Self-Assembled Structures of Amphiphilic Ionic Block Copolymers: Theory, Self-Consistent Field Modeling and Experiment. Advances in Polymer Science, 2011, , 57-129.	0.8	78
95	Pickering Emulsions: Wetting and Colloidal Stability of Hairy Particlesâ€"A Self-Consistent Field Theory. Langmuir, 2011, 27, 6574-6583.	3.5	21
96	Formation and structure of ionomer complexes from grafted polyelectrolytes. Colloid and Polymer Science, 2011, 289, 889-902.	2.1	3
97	How the projection domains of NF-L and Î±-internexin determine the conformations of NF-M and NF-H in neurofilaments. European Biophysics Journal, 2010, 39, 1323-1334.	2.2	28
98	Nanowires Formed by the Coâ€Assembly of a Negatively Charged Lowâ€Molecular Weight Gelator and a Zwitterionic Polythiophene. ChemPhysChem, 2010, 11, 1956-1960.	2.1	4
99	Triggered Templated Assembly of Protein Polymersomes. Angewandte Chemie - International Edition, 2010, 49, 9947-9950.	13.8	15
100	Molecular modeling of proteinlike inclusions in lipid bilayers: Lipid-mediated interactions. Physical Review E, 2010, 81, 021915.	2.1	13
101	Analytical theory of finite-size effects in mechanical desorption of a polymer chain. Journal of Chemical Physics, 2010, 132, 064110.	3.0	13
102	The Polymer Brush Model of Neurofilament Projections: Effect of Protein Composition. Biophysical Journal, 2010, 98, 462-469.	0.5	21
103	Dendritic versus Linear Polymer Brushes: Self-Consistent Field Modeling, Scaling Theory, and Experiments. Macromolecules, 2010, 43, 9555-9566.	4.8	65
104	Field Theoretical Analysis of Driving Forces for the Uptake of Proteins by Like-Charged Polyelectrolyte Brushes: Effects of Charge Regulation and Patchiness. Langmuir, 2010, 26, 249-259.	3.5	86
105	Polymers at the Water/Air Interface, Surface Pressure Isotherms, and Molecularly Detailed Modeling. Langmuir, 2010, 26, 11850-11861.	3.5	19
106	Electrical Double-Layer Capacitance in Room Temperature Ionic Liquids: Ion-Size and Specific Adsorption Effects. Journal of Physical Chemistry B, 2010, 114, 11149-11154.	2.6	79
107	Modeling of the 3RS tau protein with self-consistent field method and Monte Carlo simulation. Soft Matter, 2010, 6, 5533.	2.7	5
108	Gerard Fleer: straightforward on random walks. Advances in Colloid and Interface Science, 2010, 159, 95-8.	14.7	0

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109	Temperature effects in the mechanical desorption of an infinitely long lattice chain: Re-entrant phase diagrams. Journal of Chemical Physics, 2009, 130, 174704.	3.0	22
110	Room-Temperature Ionic Liquids: Excluded Volume and Ion Polarizability Effects in the Electrical Double-Layer Structure and Capacitance. Physical Review Letters, 2009, 103, 117801.	7.8	95
111	Molecular modeling of intermolecular and intramolecular excluded volume interactions for polymers at interfaces. Journal of Chemical Physics, 2009, 131, 244115.	3.0	7
112	Block Copolymer Micellisation in a Common Solvent Modeled by Selfâ€Consistent Field Calculations. Macromolecular Symposia, 2009, 278, 57-66.	0.7	1
113	Electrostatic hierarchical co-assembly in aqueous solutions of two oppositely charged double hydrophilic diblock copolymers. European Polymer Journal, 2009, 45, 2913-2925.	5.4	26
114	Modeling the structure of a polydisperse polymer brush. Polymer, 2009, 50, 305-316.	3.8	104
115	Colloidal Stability Influenced by Inhomogeneous Surfactant Assemblies in Confined Spaces. Journal of Physical Chemistry B, 2009, 113, 11186-11193.	2.6	3
116	Modeling of Charged Amphiphilic Copolymer Stars near Hydrophobic Surfaces. Langmuir, 2009, 25, 11516-11527.	3.5	6
117	Formation of nanotapes by co-assembly of triblock peptide copolymers and polythiophenes in aqueous solution. Soft Matter, 2009, 5, 1668.	2.7	13
118	Interaction of Particles with a Polydisperse Brush: A Self-Consistent-Field Analysis. Macromolecules, 2009, 42, 5881-5891.	4.8	37
119	Mechanical Unfolding of a Homopolymer Globule Studied by Self-Consistent Field Modeling. Macromolecules, 2009, 42, 5360-5371.	4.8	17
120	Small monodisperse unilamellar vesicles from binary copolymer mixtures. Soft Matter, 2009, 5, 4169.	2.7	19
121	Field theoretical modeling of the coexistence of micelles and vesicles in binary copolymer mixtures. Soft Matter, 2009, 5, 4173.	2.7	13
122	New ends to the tale of tails: adsorption of comb polymers and the effect on colloidal stability. Soft Matter, 2009, 5, 1448.	2.7	18
123	Pluronic polymersomes stabilized by core cross-linked polymer micelles. Soft Matter, 2009, 5, 4042.	2.7	25
124	On the polyelectrolyte brush model of neurofilaments. Soft Matter, 2009, 5, 2836.	2.7	19
125	Phase behavior of flowerlike micelles in a SCF cell model. European Physical Journal E, 2008, 25, 163-173.	1.6	23
126	Comprehensive theory for star-like polymer micelles; combining classical nucleation and polymer brush theory. Physical Chemistry Chemical Physics, 2008, 10, 5308.	2.8	7

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127	Pearl-Necklace Structures in Coreâ^'Shell Molecular Brushes: Experiments, Monte Carlo Simulations, and Self-Consistent Field Modeling. Macromolecules, 2008, 41, 4020-4028.	4.8	45
128	Comparison between Inhomogeneous Adsorption of Charged Surfactants on Airâ^'Water and on Solidâ^'Water Interfaces by Self-Consistent Field Theory. Langmuir, 2008, 24, 6496-6503.	3.5	13
129	Counterion Localization in Solutions of Starlike Polyelectrolytes and Colloidal Polyelectrolyte Brushes: A Self-Consistent Field Theory. Langmuir, 2008, 24, 10026-10034.	3.5	24
130	Complex coacervate core micro-emulsions. Soft Matter, 2008, 4, 1473.	2.7	25
131	On the Curvature Energy of a Thin Membrane Decorated by Polymer Brushes. Macromolecules, 2008, 41, 478-488.	4.8	29
132	Modeling of Triblock Terpolymer Micelles with a Segregated Corona. Macromolecules, 2008, 41, 3668-3677.	4.8	20
133	Adsorption of Molecular Brushes with Polyelectrolyte Backbones onto Oppositely Charged Surfaces: A Self-Consistent Field Theory. Langmuir, 2008, 24, 7232-7244.	3.5	35
134	Self-Consistent Field Modeling of Adsorption from Polymer/Surfactant Mixtures. Langmuir, 2008, 24, 6712-6720.	3.5	14
135	Capillary Adhesion in the Limit of Saturation:â€‰ Thermodynamics, Self-Consistent Field Modeling and Experiment. Langmuir, 2008, 24, 1308-1317.	3.5	22
136	Gentle Immobilization of Nonionic Polymersomes on Solid Substrates. Langmuir, 2008, 24, 76-82.	3.5	24
137	Self-Consistent Field Modeling of Non-ionic Surfactants at the Silicaâ^'Water Interface:â€‰ Incorporating Molecular Detail. Langmuir, 2008, 24, 3960-3969.	3.5	12
138	Self-Consistent Field Modeling of Poly(ethylene oxide) Adsorption onto Silica:â€‰ The Multiple Roles of Electrolytes. Langmuir, 2008, 24, 1930-1942.	3.5	25
139	Bending rigidity of mixed phospholipid bilayers and the equilibrium radius of corresponding vesicles. Physical Review E, 2007, 76, 011903.	2.1	24
140	Interaction of cholesterol-like molecules in polyunsaturated phosphatidylcholine lipid bilayers as revealed by a self-consistent field theory. Physical Review E, 2007, 76, 031904.	2.1	7
141	Analysis of the Longitudinal Structure of a Collapsed Molecular Bottle Brush Using a Self-Consistent Field Approach. International Journal of Polymer Analysis and Characterization, 2007, 12, 47-55.	1.9	5
142	On the curvature dependence of the interfacial tension in a symmetric three-component interface. Physical Chemistry Chemical Physics, 2007, 9, 167-179.	2.8	5
143	Competitive Adsorption of Nonionic Surfactant and Nonionic Polymer on Silica. Langmuir, 2007, 23, 5532-5540.	3.5	48
144	Equilibrium Capillary Forces with Atomic Force Microscopy. Physical Review Letters, 2007, 99, 104504.	7.8	31

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145	Entropic Stabilization and Equilibrium Size of Lipid Vesicles. Langmuir, 2007, 23, 6315-6320.	3.5	29
146	Stabilization of Polymersome Vesicles by an Interpenetrating Polymer Network. Macromolecules, 2007, 40, 329-333.	4.8	25
147	Opposing Effects of Cation Binding and Hydration on the Bending Rigidity of Anionic Lipid Bilayers. Journal of Physical Chemistry B, 2007, 111, 7127-7132.	2.6	23
148	Persistence Length of Wormlike Micelles Composed of Ionic Surfactants:Â Self-Consistent-Field Predictions. Journal of Physical Chemistry B, 2007, 111, 8158-8168.	2.6	12
149	Micellization of Telechelic Associative Polymers:Â Self-Consistent Field Modeling and Comparison with Scaling Concepts. Journal of Physical Chemistry B, 2007, 111, 2903-2909.	2.6	7
150	On the Mechanism of Uptake of Globular Proteins by Polyelectrolyte Brushes:Â A Two-Gradient Self-Consistent Field Analysis. Langmuir, 2007, 23, 3937-3946.	3.5	77
151	A Self-Consistent Field Analysis of the Neurofilament Brush with Amino-Acid Resolution. Biophysical Journal, 2007, 93, 1421-1430.	0.5	51
152	Effect of the Ionic Strength and pH on the Equilibrium Structure of a Neurofilament Brush. Biophysical Journal, 2007, 93, 1452-1463.	0.5	39
153	Can Linear Micelles Bridge between Two Surfaces?. Journal of Physical Chemistry B, 2006, 110, 18415-18423.	2.6	17
154	Self-Consistent Field Modeling of Linear Nonionic Micelles. Journal of Physical Chemistry B, 2006, 110, 6300-6311.	2.6	24
155	On the Escape Transition of a Tethered Gaussian Chain; Exact Results in Two Conjugate Ensembles. Macromolecular Symposia, 2006, 237, 73-80.	0.7	12
156	Confinement-Induced Symmetry Breaking of Interfacial Surfactant Layers. Journal of Physical Chemistry B, 2006, 110, 8756-8763.	2.6	9
157	Coexistence of Crew-Cut and Starlike Spherical Micelles Composed of Copolymers with an Annealed Polyelectrolyte Block. Macromolecules, 2006, 39, 3628-3641.	4.8	32
158	On the Binding of Calcium by Micelles Composed of Carboxy-Modified Pluronics Measured by Means of Differential Potentiometric Titration and Modeled with a Self-Consistent-Field Theory. Langmuir, 2006, 22, 10932-10941.	3.5	6
159	Why Surfaces Modified by Flexible Polymers Often Have a Finite Contact Angle for Good Solvents. Langmuir, 2006, 22, 1722-1728.	3.5	60
160	Self-Consistent-Field Analysis of the Micellization of Carboxy-Modified Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (oxid B, 2006, 110, 465-477.	2.6	23
161	Symmetric Liquid-Liquid Interface with a Nonzero Spontaneous Curvature. Physical Review Letters, 2006, 97, 066103.	7.8	7
162	Double-Faced Micelles from Water-Soluble Polymers. Angewandte Chemie - International Edition, 2006, 45, 6673-6676.	13.8	174

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163	Interaction between two solid surfaces across PDMS: influence of chain length and end group. Composite Interfaces, 2005, 12, 805-815.	2.3	3
164	Association Colloids and their Equilibrium Modelling. Fundamentals of Interface and Colloid Science, 2005, 5, 4.1-4.123.	0.1	18
165	Continuum formulation of the Scheutjens-Fleer lattice statistical theory for homopolymer adsorption from solution. Journal of Chemical Physics, 2005, 123, 174901.	3.0	6
166	Surface forces in a confined polymer melt: Self-consistent field analysis of full and restricted equilibrium cases. Physical Review E, 2005, 72, 021807.	2.1	18
167	Steady-state analysis of polymer adsorption at and transport across an interface between two polymer phases. Faraday Discussions, 2005, 129, 315.	3.2	1
168	Molecular modeling of lipid bilayers and the effect of protein-like inclusions. Physical Chemistry Chemical Physics, 2005, 7, 1996.	2.8	25
169	Confinement-Induced Phase Transition and Hysteresis in Colloidal Forces for Surfactant Layers on Hydrophobic Surfaces. Langmuir, 2005, 21, 10089-10095.	3.5	15
170	Bending Moduli and Spontaneous Curvature of the Monolayer in a Surfactant Bilayer. Journal of Physical Chemistry B, 2005, 109, 14251-14256.	2.6	13
171	Bending Rigidity and Induced Persistence Length of Molecular Bottle Brushes:Â A Self-Consistent-Field Theory. Macromolecules, 2005, 38, 8891-8901.	4.8	122
172	Modeling of Confinement-Induced Phase Transitions for Surfactant Layers on Amphiphilic Surfaces. Langmuir, 2005, 21, 11534-11545.	3.5	18
173	Molecular Modelling of Biological Membranes: Structure and Permeation Properties. , 2004, , 15-111.		1
174	Depletion interaction measured by colloidal probe atomic force microscopy. Physical Chemistry Chemical Physics, 2004, 6, 4432.	2.8	18
175	Coexistence of Spheres and Rods in Micellar Solution of Dodecyldimethylamine Oxide. Journal of Physical Chemistry B, 2004, 108, 5980-5988.	2.6	49
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