

# Frans A M Leermakers

## List of Publications by Year in descending order

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267  
papers

7,290  
citations

66250

44  
h-index

107981

68  
g-index

274  
all docs

274  
docs citations

274  
times ranked

5892  
citing authors

#	ARTICLE	IF	CITATIONS
1	Colloidal particles interacting with a polymer brush: a self-consistent field theory. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 8463-8476.	1.3	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. <i>Soft Matter</i> , 2021, 17, 580-591.	1.2	3
3	Bioflocculants from wastewater: Insights into adsorption affinity, flocculation mechanisms and mixed particle flocculation based on biopolymer size-fractionation. <i>Journal of Colloid and Interface Science</i> , 2021, 581, 533-544.	5.0	27
4	Effects of feed composition on the fouling on cation-exchange membranes desalinating polymer-flooding produced water. <i>Journal of Colloid and Interface Science</i> , 2021, 584, 634-646.	5.0	15
5	Structural and mechanical parameters of lipid bilayer membranes using a lattice refined self-consistent field theory. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 5152-5175.	1.3	4
6	Theory of Microphase Segregation in ABA Triblock Comb-Shaped Copolymers: Lamellar Mesophase. <i>Macromolecules</i> , 2021, 54, 4747-4759.	2.2	5
7	Self-consistent field modeling of mesomorphic phase changes of monoolein and phospholipids in response to additives. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 14093-14108.	1.3	4
8	(Homo)polymer-mediated colloidal stability of micellar solutions. <i>Soft Matter</i> , 2020, 16, 1560-1571.	1.2	7
9	Dendron Brushes in Polymer Medium: Interpenetration and Depletion. <i>Macromolecules</i> , 2020, 53, 387-397.	2.2	4
10	Virtual Special Issue in memory of Hans Lyklema (1930â€“2017). <i>Advances in Colloid and Interface Science</i> , 2020, 282, 102201.	7.0	0
11	Step-wise linking of vesicles by combining reversible and irreversible linkers â€“ towards total control on vesicle aggregate sizes. <i>Soft Matter</i> , 2020, 16, 6773-6783.	1.2	2
12	Self-Consistent Field Modeling of Pulling a Test-Chain away from or Pushing It into a Polymer Adsorption Layer. <i>Polymers</i> , 2020, 12, 1684.	2.0	2
13	SCF Theory of Uniformly Charged Dendrimers: Impact of Asymmetry of Branching, Generation Number, and Salt Concentration. <i>Macromolecules</i> , 2020, 53, 7298-7311.	2.2	6
14	Structure and Colloidal Stability of Adsorption Layers of Macrocycle, Linear, Comb, Star, and Dendritic Macromolecules. <i>Macromolecules</i> , 2020, 53, 7322-7334.	2.2	5
15	Long Tails with Flower-like Conformations Undergo an Escape Transition in Homopolymer Adsorption Layers. <i>Macromolecules</i> , 2020, 53, 3900-3906.	2.2	3
16	Turning autophobic wetting on biomimetic surfaces into complete wetting by wetting additives. <i>Soft Matter</i> , 2020, 16, 4823-4839.	1.2	4
17	The physics of microemulsions extracted from modeling balanced tensionless surfactant-loaded liquidâ€“liquid interfaces. <i>Journal of Chemical Physics</i> , 2020, 152, 094902.	1.2	0
18	Self-limiting aggregation of phospholipid vesicles. <i>Soft Matter</i> , 2020, 16, 2379-2389.	1.2	11

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19	Electroresponsive Polyelectrolyte Brushes Studied by Self-Consistent Field Theory. <i>Polymers</i> , 2020, 12, 898.	2.0	9
20	Entropy estimates of a hard sphere system by data compression of Monte Carlo simulation data. <i>Soft Matter</i> , 2020, 16, 3740-3745.	1.2	2
21	Plasticity in colloidal gel strands. <i>Soft Matter</i> , 2019, 15, 6447-6454.	1.2	12
22	Influence of solution composition on fouling of anion exchange membranes desalinating polymer-flooding produced water. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 381-394.	5.0	34
23	Temperature-Induced Re-Entrant Morphological Transitions in Block-Copolymer Micelles. <i>Langmuir</i> , 2019, 35, 2680-2691.	1.6	9
24	Coarse-Grained Dendrimers in a Good Solvent: Comparison of Monte Carlo Simulations, Self-Consistent Field Theory, and a Hybrid Modeling Strategy. <i>Macromolecular Theory and Simulations</i> , 2019, 28, 1800064.	0.6	2
25	Elastic properties of symmetric liquid-liquid interfaces. <i>Physical Review E</i> , 2019, 100, 062801.	0.8	1
26	Non-linear elasticity effects and stratification in brushes of branched polyelectrolytes. <i>Journal of Chemical Physics</i> , 2019, 151, 214902.	1.2	1
27	Electrostatic stiffening and induced persistence length for coassembled molecular bottlebrushes. <i>Physical Review E</i> , 2018, 97, 032501.	0.8	2
28	Impact of Macromolecular Architecture on Bending Rigidity of Dendronized Surfaces. <i>Macromolecules</i> , 2018, 51, 3315-3329.	2.2	4
29	Behavior of Weak Polyelectrolyte Brushes in Mixed Salt Solutions. <i>Macromolecules</i> , 2018, 51, 1198-1206.	2.2	25
30	Sign Switch of Gaussian Bending Modulus for Microemulsions: A Self-Consistent Field Analysis Exploring Scale Invariant Curvature Energies. <i>Physical Review Letters</i> , 2018, 120, 028003.	2.9	6
31	Force and Scale Dependence of the Elasticity of Self-Assembled DNA Bottle Brushes. <i>Macromolecules</i> , 2018, 51, 204-212.	2.2	12
32	Self-Assembly of Lysine-Based Dendritic Surfactants Modeled by the Self-Consistent Field Approach. <i>Langmuir</i> , 2018, 34, 1613-1626.	1.6	23
33	One-step mild biorefinery of functional biomolecules from microalgae extracts. <i>Reaction Chemistry and Engineering</i> , 2018, 3, 182-187.	1.9	19
34	Self-Consistent Field Modeling of Homopolymers at Interfaces in the Long Chain Length Limit. <i>Polymer Science - Series C</i> , 2018, 60, 18-24.	0.8	3
35	Self-Consistent Field Analysis of Molecular Bottle-Brushes with Primary and Secondary Side Chains: Induced Persistence Length and Lateral Thickness. <i>Polymer Science - Series C</i> , 2018, 60, 160-171.	0.8	0
36	A Hybrid Monte Carlo Self-Consistent Field Model of Physical Gels of Telechelic Polymers. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 6532-6543.	2.3	6

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37	Structure and properties of polydisperse polyelectrolyte brushes studied by self-consistent field theory. <i>Soft Matter</i> , 2018, 14, 6230-6242.	1.2	16
38	Microphase Segregation of Diblock Copolymers Studied by the Self-Consistent Field Theory of Scheutjens and Fler. <i>Polymers</i> , 2018, 10, 78.	2.0	8
39	Dendron and Hyperbranched Polymer Brushes in Good and Poor Solvents. <i>Langmuir</i> , 2017, 33, 1315-1325.	1.6	20
40	Structure and lubrication of solvent-free dendron brushes. <i>Polymer</i> , 2017, 120, 223-235.	1.8	8
41	Bending moduli of dendritic polymer brushes in a good solvent. <i>Polymer Science - Series A</i> , 2017, 59, 772-783.	0.4	1
42	Modeling of Polyelectrolyte Adsorption from Micellar Solutions onto Biomimetic Substrates. <i>Journal of Physical Chemistry B</i> , 2017, 121, 8638-8651.	1.2	20
43	Unfolding of a comb-like polymer in a poor solvent: translation of macromolecular architecture in the force-deformation spectra. <i>Soft Matter</i> , 2017, 13, 9147-9161.	1.2	3
44	Complex coacervates formed across liquid interfaces: A self-consistent field analysis. <i>Advances in Colloid and Interface Science</i> , 2017, 239, 17-30.	7.0	5
45	Interaction forces and lubrication of dendronized surfaces. <i>Current Opinion in Colloid and Interface Science</i> , 2017, 27, 50-56.	3.4	15
46	Three-gradient regular solution model for simple liquids wetting complex surface topologies. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 1377-1396.	1.5	1
47	Loss of bottlebrush stiffness due to free polymers. <i>Soft Matter</i> , 2016, 12, 8004-8014.	1.2	9
48	Self-Organization of Polyurethane Pre-Polymers as Studied by Self-Consistent Field Theory. <i>Macromolecular Theory and Simulations</i> , 2016, 25, 16-27.	0.6	13
49	Design of block-copolymer-based micelles for active and passive targeting. <i>Physical Review E</i> , 2016, 94, 042503.	0.8	4
50	Enhanced stiffness of silk-like fibers by loop formation in the corona leads to stronger gels. <i>Biopolymers</i> , 2016, 105, 795-801.	1.2	1
51	Brushes of Cycled Macromolecules: Structure and Lubricating Properties. <i>Macromolecules</i> , 2016, 49, 8758-8767.	2.2	27
52	Theory of Brushes Formed by $\hat{\Gamma}$ -Shaped Macromolecules at Solid-Liquid Interfaces. <i>Langmuir</i> , 2015, 31, 6514-6522.	1.6	29
53	Interactions between nodes in a physical gel network of telechelic polymers; self-consistent field calculations beyond the cell model. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 9001-9014.	1.3	10
54	Liquid Crystals of Self-Assembled DNA Bottlebrushes. <i>Journal of Physical Chemistry B</i> , 2015, 119, 4084-4092.	1.2	21

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55	Self-Assembled Structures of PMAA-PMMA Block Copolymers: Synthesis, Characterization, and Self-Consistent Field Computations. <i>Macromolecules</i> , 2015, 48, 1194-1203.	2.2	18
56	On the edge energy of lipid membranes and the thermodynamic stability of pores. <i>Journal of Chemical Physics</i> , 2015, 142, 034101.	1.2	17
57	Surfactant-polymer interactions: molecular architecture does matter. <i>Soft Matter</i> , 2015, 11, 2504-2511.	1.2	37
58	Structure of Multiresponsive Brush-Decorated Nanoparticles: A Combined Electrokinetic, DLS, and SANS Study. <i>Langmuir</i> , 2015, 31, 4779-4790.	1.6	31
59	Structure of Mixed Brushes Made of Arm-Grafted Polymer Stars and Linear Chains. <i>Macromolecules</i> , 2015, 48, 2263-2276.	2.2	18
60	Ideal Mixing in Multicomponent Brushes of Branched Polymers. <i>Macromolecules</i> , 2015, 48, 8025-8035.	2.2	26
61	Responsive polymer brushes for controlled nanoparticle exposure. <i>Nanoscale</i> , 2015, 7, 17871-17878.	2.8	17
62	Reentrant Stabilization of Grafted Nanoparticles in Polymer Solutions. <i>Journal of Physical Chemistry B</i> , 2015, 119, 12938-12946.	1.2	3
63	Persistence length of dendronized polymers: the self-consistent field theory. <i>Soft Matter</i> , 2015, 11, 9367-9378.	1.2	22
64	Linking lipid architecture to bilayer structure and mechanics using self-consistent field modelling. <i>Journal of Chemical Physics</i> , 2014, 140, 065102.	1.2	19
65	Ultrastrong Anchoring Yet Barrier-Free Adsorption of Composite Microgels at Liquid Interfaces. <i>Advanced Materials Interfaces</i> , 2014, 1, 1300121.	1.9	54
66	Dendron brushes and dendronized polymers: a theoretical outlook. <i>Soft Matter</i> , 2014, 10, 2093-2101.	1.2	51
67	Interaction of a Hydrophobic Weak Polyelectrolyte Star with an Apolar Surface. <i>Langmuir</i> , 2014, 30, 48-54.	1.6	3
68	Coverage and Disruption of Phospholipid Membranes by Oxide Nanoparticles. <i>Langmuir</i> , 2014, 30, 14581-14590.	1.6	32
69	Modeling of Ionization and Conformations of Starlike Weak Polyelectrolytes. <i>Macromolecules</i> , 2014, 47, 4004-4016.	2.2	58
70	Particles Decorated by an Ionizable Thermoresponsive Polymer Brush in Water: Experiments and Self-Consistent Field Modeling. <i>Journal of Physical Chemistry B</i> , 2014, 118, 3192-3206.	1.2	14
71	Adhesion and Friction Properties of Polymer Brushes: Fluoro versus Nonfluoro Polymer Brushes at Varying Thickness. <i>Langmuir</i> , 2014, 30, 2068-2076.	1.6	44
72	Interactions between Brushes of Root-Tethered Dendrons. <i>Macromolecules</i> , 2014, 47, 6932-6945.	2.2	27

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73	Interfacial Tension and Wettability in Water-Carbon Dioxide Systems: Experiments and Self-consistent Field Modeling. <i>Journal of Physical Chemistry B</i> , 2013, 117, 8524-8535.	1.2	15
74	A liquid CO <sub>2</sub> -compatible hydrocarbon surfactant: experiment and modelling. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 19879.	1.3	2
75	Direct evaluation of the saddle splay modulus of a liquid-liquid interface using the classical mean field lattice model. <i>Journal of Chemical Physics</i> , 2013, 138, 124103.	1.2	3
76	Dendritic Spherical Polymer Brushes: Theory and Self-Consistent Field Modeling. <i>Macromolecules</i> , 2013, 46, 4651-4662.	2.2	35
77	Structure and Dynamics of Polyelectrolyte Complex Coacervates Studied by Scattering of Neutrons, X-rays, and Light. <i>Macromolecules</i> , 2013, 46, 4596-4605.	2.2	96
78	Self-consistent field predictions for quenched spherical biocompatible triblock copolymer micelles. <i>Soft Matter</i> , 2013, 9, 7515.	1.2	12
79	On the collapse transition of a polymer brush: the case of lateral mobility. <i>Soft Matter</i> , 2013, 9, 3341-3348.	1.2	5
80	Bending rigidities of surfactant bilayers using self-consistent field theory. <i>Journal of Chemical Physics</i> , 2013, 138, 154109.	1.2	8
81	Interaction of Silica Nanoparticles with Phospholipid Membranes. <i>Chemistry Letters</i> , 2012, 41, 1322-1324.	0.7	10
82	Collapse of Polyelectrolyte Star. Theory and Modeling. <i>Macromolecules</i> , 2012, 45, 2145-2160.	2.2	27
83	The influence of charge ratio on transient networks of polyelectrolyte complex micelles. <i>Soft Matter</i> , 2012, 8, 104-117.	1.2	34
84	A self-consistent field study of a hydrocarbon droplet at the air-water interface. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 4917.	1.3	4
85	Polymer Compatibility in Two Dimensions. Modeling of Phase Behavior of Mixed Polymethacrylate Langmuir Films. <i>Langmuir</i> , 2012, 28, 5614-5621.	1.6	9
86	On the Two-Population Structure of Brushes Made of Arm-Grafted Polymer Stars. <i>Macromolecules</i> , 2012, 45, 7260-7273.	2.2	65
87	Hybrid Monte Carlo Self-Consistent Field Approach to Model a Thin Layer of a Polyelectrolyte Gel near an Adsorbing Surface. <i>Journal of Physical Chemistry A</i> , 2012, 116, 6574-6581.	1.1	6
88	Depletion profiles for dilute solutions of linear chains, stars and H-branched molecules by self-consistent field calculations and Monte Carlo simulations. <i>Soft Matter</i> , 2011, 7, 10258.	1.2	5
89	Mobility of fluorescently labeled polymer micelles in living cells. <i>Soft Matter</i> , 2011, 7, 1214-1218.	1.2	5
90	Thermally sensitive dual fluorescent polymeric micelles for probing cell properties. <i>Soft Matter</i> , 2011, 7, 11211.	1.2	16

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91	Comparison of Various Models to Describe the Charge <sup>+</sup> pH Dependence of Poly(acrylic acid). Journal of Chemical & Engineering Data, 2011, 56, 1602-1612.	1.0	23
92	PMMA Highlights the Layering Transition of PDMS in Langmuir Films. Langmuir, 2011, 27, 2501-2508.	1.6	13
93	Modeling the Structure and Antifouling Properties of a Polymer Brush of Grafted Comb-Polymers. Macromolecules, 2011, 44, 2334-2342.	2.2	41
94	Self-Assembled Structures of Amphiphilic Ionic Block Copolymers: Theory, Self-Consistent Field Modeling and Experiment. Advances in Polymer Science, 2011, , 57-129.	0.4	78
95	Pickering Emulsions: Wetting and Colloidal Stability of Hairy Particles <sup>+</sup> A Self-Consistent Field Theory. Langmuir, 2011, 27, 6574-6583.	1.6	21
96	Formation and structure of ionomer complexes from grafted polyelectrolytes. Colloid and Polymer Science, 2011, 289, 889-902.	1.0	3
97	How the projection domains of NF-L and $\beta$ -internexin determine the conformations of NF-M and NF-H in neurofilaments. European Biophysics Journal, 2010, 39, 1323-1334.	1.2	28
98	Nanowires Formed by the Co <sup>+</sup> Assembly of a Negatively Charged Low <sup>+</sup> Molecular Weight Gelator and a Zwitterionic Polythiophene. ChemPhysChem, 2010, 11, 1956-1960.	1.0	4
99	Triggered Templated Assembly of Protein Polymersomes. Angewandte Chemie - International Edition, 2010, 49, 9947-9950.	7.2	15
100	Molecular modeling of proteinlike inclusions in lipid bilayers: Lipid-mediated interactions. Physical Review E, 2010, 81, 021915.	0.8	13
101	Analytical theory of finite-size effects in mechanical desorption of a polymer chain. Journal of Chemical Physics, 2010, 132, 064110.	1.2	13
102	The Polymer Brush Model of Neurofilament Projections: Effect of Protein Composition. Biophysical Journal, 2010, 98, 462-469.	0.2	21
103	Dendritic versus Linear Polymer Brushes: Self-Consistent Field Modeling, Scaling Theory, and Experiments. Macromolecules, 2010, 43, 9555-9566.	2.2	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.	1.6	86
105	Polymers at the Water/Air Interface, Surface Pressure Isotherms, and Molecularly Detailed Modeling. Langmuir, 2010, 26, 11850-11861.	1.6	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.	1.2	79
107	Modeling of the 3RS tau protein with self-consistent field method and Monte Carlo simulation. Soft Matter, 2010, 6, 5533.	1.2	5
108	Gerard Fleer: straightforward on random walks. Advances in Colloid and Interface Science, 2010, 159, 95-8.	7.0	0

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109	Temperature effects in the mechanical desorption of an infinitely long lattice chain: Re-entrant phase diagrams. <i>Journal of Chemical Physics</i> , 2009, 130, 174704.	1.2	22
110	Room-Temperature Ionic Liquids: Excluded Volume and Ion Polarizability Effects in the Electrical Double-Layer Structure and Capacitance. <i>Physical Review Letters</i> , 2009, 103, 117801.	2.9	95
111	Molecular modeling of intermolecular and intramolecular excluded volume interactions for polymers at interfaces. <i>Journal of Chemical Physics</i> , 2009, 131, 244115.	1.2	7
112	Block Copolymer Micellisation in a Common Solvent Modeled by Self-Consistent Field Calculations. <i>Macromolecular Symposia</i> , 2009, 278, 57-66.	0.4	1
113	Electrostatic hierarchical co-assembly in aqueous solutions of two oppositely charged double hydrophilic diblock copolymers. <i>European Polymer Journal</i> , 2009, 45, 2913-2925.	2.6	26
114	Modeling the structure of a polydisperse polymer brush. <i>Polymer</i> , 2009, 50, 305-316.	1.8	104
115	Colloidal Stability Influenced by Inhomogeneous Surfactant Assemblies in Confined Spaces. <i>Journal of Physical Chemistry B</i> , 2009, 113, 11186-11193.	1.2	3
116	Modeling of Charged Amphiphilic Copolymer Stars near Hydrophobic Surfaces. <i>Langmuir</i> , 2009, 25, 11516-11527.	1.6	6
117	Formation of nanotapes by co-assembly of triblock peptide copolymers and polythiophenes in aqueous solution. <i>Soft Matter</i> , 2009, 5, 1668.	1.2	13
118	Interaction of Particles with a Polydisperse Brush: A Self-Consistent-Field Analysis. <i>Macromolecules</i> , 2009, 42, 5881-5891.	2.2	37
119	Mechanical Unfolding of a Homopolymer Globule Studied by Self-Consistent Field Modeling. <i>Macromolecules</i> , 2009, 42, 5360-5371.	2.2	17
120	Small monodisperse unilamellar vesicles from binary copolymer mixtures. <i>Soft Matter</i> , 2009, 5, 4169.	1.2	19
121	Field theoretical modeling of the coexistence of micelles and vesicles in binary copolymer mixtures. <i>Soft Matter</i> , 2009, 5, 4173.	1.2	13
122	New ends to the tale of tails: adsorption of comb polymers and the effect on colloidal stability. <i>Soft Matter</i> , 2009, 5, 1448.	1.2	18
123	Pluronic polymersomes stabilized by core cross-linked polymer micelles. <i>Soft Matter</i> , 2009, 5, 4042.	1.2	25
124	On the polyelectrolyte brush model of neurofilaments. <i>Soft Matter</i> , 2009, 5, 2836.	1.2	19
125	Phase behavior of flowerlike micelles in a SCF cell model. <i>European Physical Journal E</i> , 2008, 25, 163-173.	0.7	23
126	Comprehensive theory for star-like polymer micelles; combining classical nucleation and polymer brush theory. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 5308.	1.3	7

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127	Pearl-Necklace Structures in Core-Shell Molecular Brushes: Experiments, Monte Carlo Simulations, and Self-Consistent Field Modeling. <i>Macromolecules</i> , 2008, 41, 4020-4028.	2.2	45
128	Comparison between Inhomogeneous Adsorption of Charged Surfactants on Air-Water and on Solid-Water Interfaces by Self-Consistent Field Theory. <i>Langmuir</i> , 2008, 24, 6496-6503.	1.6	13
129	Counterion Localization in Solutions of Starlike Polyelectrolytes and Colloidal Polyelectrolyte Brushes: A Self-Consistent Field Theory. <i>Langmuir</i> , 2008, 24, 10026-10034.	1.6	24
130	Complex coacervate core micro-emulsions. <i>Soft Matter</i> , 2008, 4, 1473.	1.2	25
131	On the Curvature Energy of a Thin Membrane Decorated by Polymer Brushes. <i>Macromolecules</i> , 2008, 41, 478-488.	2.2	29
132	Modeling of Triblock Terpolymer Micelles with a Segregated Corona. <i>Macromolecules</i> , 2008, 41, 3668-3677.	2.2	20
133	Adsorption of Molecular Brushes with Polyelectrolyte Backbones onto Oppositely Charged Surfaces: A Self-Consistent Field Theory. <i>Langmuir</i> , 2008, 24, 7232-7244.	1.6	35
134	Self-Consistent Field Modeling of Adsorption from Polymer/Surfactant Mixtures. <i>Langmuir</i> , 2008, 24, 6712-6720.	1.6	14
135	Capillary Adhesion in the Limit of Saturation: Thermodynamics, Self-Consistent Field Modeling and Experiment. <i>Langmuir</i> , 2008, 24, 1308-1317.	1.6	22
136	Gentle Immobilization of Nonionic Polymersomes on Solid Substrates. <i>Langmuir</i> , 2008, 24, 76-82.	1.6	24
137	Self-Consistent Field Modeling of Non-ionic Surfactants at the Silica-Water Interface: Incorporating Molecular Detail. <i>Langmuir</i> , 2008, 24, 3960-3969.	1.6	12
138	Self-Consistent Field Modeling of Poly(ethylene oxide) Adsorption onto Silica: The Multiple Roles of Electrolytes. <i>Langmuir</i> , 2008, 24, 1930-1942.	1.6	25
139	Bending rigidity of mixed phospholipid bilayers and the equilibrium radius of corresponding vesicles. <i>Physical Review E</i> , 2007, 76, 011903.	0.8	24
140	Interaction of cholesterol-like molecules in polyunsaturated phosphatidylcholine lipid bilayers as revealed by a self-consistent field theory. <i>Physical Review E</i> , 2007, 76, 031904.	0.8	7
141	Analysis of the Longitudinal Structure of a Collapsed Molecular Bottle Brush Using a Self-Consistent Field Approach. <i>International Journal of Polymer Analysis and Characterization</i> , 2007, 12, 47-55.	0.9	5
142	On the curvature dependence of the interfacial tension in a symmetric three-component interface. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 167-179.	1.3	5
143	Competitive Adsorption of Nonionic Surfactant and Nonionic Polymer on Silica. <i>Langmuir</i> , 2007, 23, 5532-5540.	1.6	48
144	Equilibrium Capillary Forces with Atomic Force Microscopy. <i>Physical Review Letters</i> , 2007, 99, 104504.	2.9	31

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145	Entropic Stabilization and Equilibrium Size of Lipid Vesicles. <i>Langmuir</i> , 2007, 23, 6315-6320.	1.6	29
146	Stabilization of Polymersome Vesicles by an Interpenetrating Polymer Network. <i>Macromolecules</i> , 2007, 40, 329-333.	2.2	25
147	Opposing Effects of Cation Binding and Hydration on the Bending Rigidity of Anionic Lipid Bilayers. <i>Journal of Physical Chemistry B</i> , 2007, 111, 7127-7132.	1.2	23
148	Persistence Length of Wormlike Micelles Composed of Ionic Surfactants: A Self-Consistent-Field Predictions. <i>Journal of Physical Chemistry B</i> , 2007, 111, 8158-8168.	1.2	12
149	Micellization of Telechelic Associative Polymers: A Self-Consistent Field Modeling and Comparison with Scaling Concepts. <i>Journal of Physical Chemistry B</i> , 2007, 111, 2903-2909.	1.2	7
150	On the Mechanism of Uptake of Globular Proteins by Polyelectrolyte Brushes: A Two-Gradient Self-Consistent Field Analysis. <i>Langmuir</i> , 2007, 23, 3937-3946.	1.6	77
151	A Self-Consistent Field Analysis of the Neurofilament Brush with Amino-Acid Resolution. <i>Biophysical Journal</i> , 2007, 93, 1421-1430.	0.2	51
152	Effect of the Ionic Strength and pH on the Equilibrium Structure of a Neurofilament Brush. <i>Biophysical Journal</i> , 2007, 93, 1452-1463.	0.2	39
153	Can Linear Micelles Bridge between Two Surfaces?. <i>Journal of Physical Chemistry B</i> , 2006, 110, 18415-18423.	1.2	17
154	Self-Consistent Field Modeling of Linear Nonionic Micelles. <i>Journal of Physical Chemistry B</i> , 2006, 110, 6300-6311.	1.2	24
155	On the Escape Transition of a Tethered Gaussian Chain; Exact Results in Two Conjugate Ensembles. <i>Macromolecular Symposia</i> , 2006, 237, 73-80.	0.4	12
156	Confinement-Induced Symmetry Breaking of Interfacial Surfactant Layers. <i>Journal of Physical Chemistry B</i> , 2006, 110, 8756-8763.	1.2	9
157	Coexistence of Crew-Cut and Starlike Spherical Micelles Composed of Copolymers with an Annealed Polyelectrolyte Block. <i>Macromolecules</i> , 2006, 39, 3628-3641.	2.2	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. <i>Langmuir</i> , 2006, 22, 10932-10941.	1.6	6
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