

Frans A M Leermakers

List of Publications by Year in descending order

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274
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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Charged Polymeric Brushes: Structure and Scaling Relations. <i>Macromolecules</i> , 1994, 27, 3249-3261.	4.8	240
2	Configuration of terminally attached chains at the solid/solvent interface: self-consistent field theory and a Monte Carlo model. <i>Macromolecules</i> , 1987, 20, 1692-1696.	4.8	230
3	On the Theory of Grafted Weak Polyacids. <i>Macromolecules</i> , 1994, 27, 3087-3093.	4.8	199
4	Analytical Self-Consistent-Field Model of Weak Polyacid Brushes. <i>Macromolecules</i> , 1995, 28, 3562-3569.	4.8	190
5	Double-Faced Micelles from Water-Soluble Polymers. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6673-6676.	13.8	174
6	Tethered Adsorbing Chains: Neutron Reflectivity and Surface Pressure of Spread Diblock Copolymer Monolayers. <i>Langmuir</i> , 1995, 11, 4467-4473.	3.5	148
7	Charged Lipid Vesicles: Effects of Salts on Bending Rigidity, Stability, and Size. <i>Biophysical Journal</i> , 2004, 87, 3882-3893.	0.5	128
8	Statistical thermodynamics of association colloids. I. Lipid bilayer membranes. <i>Journal of Chemical Physics</i> , 1988, 89, 3264-3274.	3.0	127
9	Self-Consistent-Field Modeling of Adsorbed $\hat{\Gamma}^2$ -Casein: Effects of pH and Ionic Strength on Surface Coverage and Density Profile. <i>Journal of Colloid and Interface Science</i> , 1996, 178, 681-693.	9.4	122
10	Bending Rigidity and Induced Persistence Length of Molecular Bottle Brushes: A Self-Consistent-Field Theory. <i>Macromolecules</i> , 2005, 38, 8891-8901.	4.8	122
11	Modeling the structure of a polydisperse polymer brush. <i>Polymer</i> , 2009, 50, 305-316.	3.8	104
12	Structure and Dynamics of Polyelectrolyte Complex Coacervates Studied by Scattering of Neutrons, X-rays, and Light. <i>Macromolecules</i> , 2013, 46, 4596-4605.	4.8	96
13	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.	7.8	95
14	Screening in Solutions of Star-Branched Polyelectrolytes. <i>Macromolecules</i> , 1999, 32, 2365-2377.	4.8	93
15	Field Theoretical Analysis of Driving Forces for the Uptake of Proteins by Like-Charged Polyelectrolyte Brushes: Effects of Charge Regulation and Patchiness. <i>Langmuir</i> , 2010, 26, 249-259.	3.5	86
16	Electrical Double-Layer Capacitance in Room Temperature Ionic Liquids: Ion-Size and Specific Adsorption Effects. <i>Journal of Physical Chemistry B</i> , 2010, 114, 11149-11154.	2.6	79
17	Self-consistent-field modelling of adsorbed casein Interaction between two protein-coated surfaces. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1997, 93, 1785-1790.	1.7	78
18	Self-Assembled Structures of Amphiphilic Ionic Block Copolymers: Theory, Self-Consistent Field Modeling and Experiment. <i>Advances in Polymer Science</i> , 2011, , 57-129.	0.8	78

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19	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.	3.5	77
20	Statistical thermodynamics of association colloids. III. The gel to liquid phase transition of lipid bilayer membranes. <i>Journal of Chemical Physics</i> , 1988, 89, 6912-6924.	3.0	76
21	Theory of the Collapse of the Polyelectrolyte Brush. <i>Macromolecules</i> , 1996, 29, 8260-8270.	4.8	71
22	Dendritic versus Linear Polymer Brushes: Self-Consistent Field Modeling, Scaling Theory, and Experiments. <i>Macromolecules</i> , 2010, 43, 9555-9566.	4.8	65
23	On the Two-Population Structure of Brushes Made of Arm-Grafted Polymer Stars. <i>Macromolecules</i> , 2012, 45, 7260-7273.	4.8	65
24	Wetting of a Polymer Brush by a Chemically Identical Polymer Melt: Phase Diagram and Film Stability. <i>Langmuir</i> , 2002, 18, 8871-8880.	3.5	62
25	Statistical thermodynamics of association colloids. 2. Lipid vesicles. <i>The Journal of Physical Chemistry</i> , 1989, 93, 7417-7426.	2.9	61
26	Why Surfaces Modified by Flexible Polymers Often Have a Finite Contact Angle for Good Solvents. <i>Langmuir</i> , 2006, 22, 1722-1728.	3.5	60
27	Modeling of Ionization and Conformations of Starlike Weak Polyelectrolytes. <i>Macromolecules</i> , 2014, 47, 4004-4016.	4.8	58
28	Grafted Adsorbing Polymers: Scaling Behavior and Phase Transitions. <i>Macromolecules</i> , 1999, 32, 487-498.	4.8	56
29	Statistical thermodynamics of association colloids: V. critical micelle concentration, micellar size and shape. <i>Journal of Colloid and Interface Science</i> , 1990, 136, 231-241.	9.4	54
30	Ultrastrong Anchoring Yet Barrier-Free Adsorption of Composite Microgels at Liquid Interfaces. <i>Advanced Materials Interfaces</i> , 2014, 1, 1300121.	3.7	54
31	Self-consistent-field modelling of casein adsorption Comparison of results for $\hat{1}$ -casein and $\hat{2}$ -casein. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1997, 93, 425-432.	1.7	51
32	A Self-Consistent Field Analysis of the Neurofilament Brush with Amino-Acid Resolution. <i>Biophysical Journal</i> , 2007, 93, 1421-1430.	0.5	51
33	Dendron brushes and dendronized polymers: a theoretical outlook. <i>Soft Matter</i> , 2014, 10, 2093-2101.	2.7	51
34	Adsorption of Weak Polyelectrolytes on Surfaces with a Variable Charge. Self-Consistent-Field Calculations. <i>Langmuir</i> , 1997, 13, 4413-4421.	3.5	50
35	Coexistence of Spheres and Rods in Micellar Solution of Dodecyldimethylamine Oxide. <i>Journal of Physical Chemistry B</i> , 2004, 108, 5980-5988.	2.6	49
36	Electrostatic Interactions between Double Layers: Influence of Surface Roughness, Regulation, and Chemical Heterogeneities. <i>Langmuir</i> , 2004, 20, 5052-5065.	3.5	48

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37	Competitive Adsorption of Nonionic Surfactant and Nonionic Polymer on Silica. <i>Langmuir</i> , 2007, 23, 5532-5540.	3.5	48
38	Block copolymer adsorption studied by dynamic scanning angle reflectometry. <i>Macromolecules</i> , 1991, 24, 718-730.	4.8	47
39	On the Structure of Polymeric Micelles: Self-Consistent-Field Theory and Universal Properties for Volume Fraction Profiles. <i>Macromolecules</i> , 1995, 28, 3434-3443.	4.8	47
40	Multiblock Copolymers and Colloidal Stability. <i>Journal of Colloid and Interface Science</i> , 1994, 167, 124-134.	9.4	45
41	Adsorption of Semiflexible Polymers. <i>Macromolecules</i> , 1996, 29, 1172-1178.	4.8	45
42	Long Minority Chains in a Polymer Brush: A First-Order Adsorption Transition. <i>Macromolecules</i> , 1999, 32, 2004-2015.	4.8	45
43	Pearl-Necklace Structures in Core-Shell Molecular Brushes: Experiments, Monte Carlo Simulations, and Self-Consistent Field Modeling. <i>Macromolecules</i> , 2008, 41, 4020-4028.	4.8	45
44	Self-consistent-field modeling of complex molecules with united atom detail in inhomogeneous systems. Cyclic and branched foreign molecules in dimyristoylphosphatidylcholine membranes. <i>Journal of Chemical Physics</i> , 1999, 110, 6560-6579.	3.0	44
45	Adhesion and Friction Properties of Polymer Brushes: Fluoro versus Nonfluoro Polymer Brushes at Varying Thickness. <i>Langmuir</i> , 2014, 30, 2068-2076.	3.5	44
46	Chain stiffness and bond correlations in polymer brushes. <i>Journal of Chemical Physics</i> , 1994, 101, 8214-8223.	3.0	42
47	Pair Potentials between Polymer-Coated Mesoscopic Particles. <i>Langmuir</i> , 1994, 10, 4514-4516.	3.5	41
48	Modeling the Structure and Antifouling Properties of a Polymer Brush of Grafted Comb-Polymers. <i>Macromolecules</i> , 2011, 44, 2334-2342.	4.8	41
49	Effect of the Ionic Strength and pH on the Equilibrium Structure of a Neurofilament Brush. <i>Biophysical Journal</i> , 2007, 93, 1452-1463.	0.5	39
50	Molecular Mechanism of the Renneting Process of Casein Micelles in Skim Milk, Examined by Viscosity and Light-Scattering Experiments and Simulated by Model SCF Calculations. <i>Langmuir</i> , 1999, 15, 6304-6313.	3.5	37
51	Molecular dynamics simulations of hydrated unsaturated lipid bilayers in the liquid-crystal phase and comparison to self-consistent field modeling. <i>Physical Review E</i> , 2003, 67, 011909.	2.1	37
52	Interaction of Particles with a Polydisperse Brush: A Self-Consistent-Field Analysis. <i>Macromolecules</i> , 2009, 42, 5881-5891.	4.8	37
53	Surfactant-polymer interactions: molecular architecture does matter. <i>Soft Matter</i> , 2015, 11, 2504-2511.	2.7	37
54	Self-Consistent-Field Lattice Gas Model for the Surface Ordering Transition of n-Hexadecane. <i>Physical Review Letters</i> , 1996, 76, 82-85.	7.8	35

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55	Self-consistent-field modeling of hydrated unsaturated lipid bilayers in the liquid-crystal phase and comparison to molecular dynamics simulations. <i>Physical Review E</i> , 2003, 67, 011910.	2.1	35
56	Adsorption of Molecular Brushes with Polyelectrolyte Backbones onto Oppositely Charged Surfaces: A Self-Consistent Field Theory. <i>Langmuir</i> , 2008, 24, 7232-7244.	3.5	35
57	Dendritic Spherical Polymer Brushes: Theory and Self-Consistent Field Modeling. <i>Macromolecules</i> , 2013, 46, 4651-4662.	4.8	35
58	The effects of local stiffness disparity on the surface segregation from binary polymer blends. <i>Journal of Chemical Physics</i> , 1995, 103, 10332-10346.	3.0	34
59	Adsorption of Comb Polymers. <i>Macromolecules</i> , 1996, 29, 1000-1005.	4.8	34
60	Self-Consistent-Field Analysis of Poly(ethylene oxide)- <i>b</i> -Poly(propylene oxide)- <i>b</i> -Poly(ethylene oxide) Surfactants: Micellar Structure, Critical Micellization Concentration, Critical Micellization Temperature, and Cloud Point. <i>Langmuir</i> , 2002, 18, 10467-10474.	3.5	34
61	The influence of charge ratio on transient networks of polyelectrolyte complex micelles. <i>Soft Matter</i> , 2012, 8, 104-117.	2.7	34
62	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.	9.4	34
63	Adsorption Theory for Polydisperse Polymers. <i>Macromolecules</i> , 1994, 27, 4810-4816.	4.8	33
64	Thermodynamics and mechanics of bilayer membranes. <i>Physical Review E</i> , 2000, 62, 8453-8461.	2.1	33
65	Bending Moduli and Spontaneous Curvature. 2. Bilayers and Monolayers of Pure and Mixed Ionic Surfactants. <i>Langmuir</i> , 1994, 10, 1084-1092.	3.5	32
66	Coexistence of Crew-Cut and Starlike Spherical Micelles Composed of Copolymers with an Annealed Polyelectrolyte Block. <i>Macromolecules</i> , 2006, 39, 3628-3641.	4.8	32
67	Coverage and Disruption of Phospholipid Membranes by Oxide Nanoparticles. <i>Langmuir</i> , 2014, 30, 14581-14590.	3.5	32
68	Theoretical and experimental investigations of adsorbed protein structure at a fluid interface. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1996, 100, 994-998.	0.9	31
69	Polyelectrolytes tethered to a similarly charged surface. <i>Journal of Chemical Physics</i> , 2001, 114, 7700-7712.	3.0	31
70	Equilibrium Capillary Forces with Atomic Force Microscopy. <i>Physical Review Letters</i> , 2007, 99, 104504.	7.8	31
71	Structure of Multiresponsive Brush-Decorated Nanoparticles: A Combined Electrokinetic, DLS, and SANS Study. <i>Langmuir</i> , 2015, 31, 4779-4790.	3.5	31
72	Detailed Modeling of the Volume Fraction Profile of Adsorbed Polymer Layers Using Small-Angle Neutron Scattering. <i>Langmuir</i> , 2004, 20, 4480-4488.	3.5	30

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73	Entropic Stabilization and Equilibrium Size of Lipid Vesicles. <i>Langmuir</i> , 2007, 23, 6315-6320.	3.5	29
74	On the Curvature Energy of a Thin Membrane Decorated by Polymer Brushes. <i>Macromolecules</i> , 2008, 41, 478-488.	4.8	29
75	Theory of Brushes Formed by \hat{I} -Shaped Macromolecules at Solid-Liquid Interfaces. <i>Langmuir</i> , 2015, 31, 6514-6522.	3.5	29
76	Modelling the amorphous phase of a melt crystallized, semicrystalline polymer: segment distribution, chain stiffness, and deformation. <i>Polymer</i> , 1984, 25, 1577-1588.	3.8	28
77	Statistical thermodynamics of association colloids. IV. Inhomogeneous membrane systems. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1990, 1024, 139-151.	2.6	28
78	Adsorption of Charged Block Copolymers: Effect on Colloidal Stability. <i>Macromolecules</i> , 1995, 28, 1626-1634.	4.8	28
79	Self-Consistent-Field Prediction for the Persistence Length of Wormlike Micelles of Nonionic Surfactants. <i>Journal of Physical Chemistry B</i> , 2003, 107, 10912-10918.	2.6	28
80	How the projection domains of NF-L and \hat{I} -internexin determine the conformations of NF-M and NF-H in neurofilaments. <i>European Biophysics Journal</i> , 2010, 39, 1323-1334.	2.2	28
81	Collapse of Polyelectrolyte Star. Theory and Modeling. <i>Macromolecules</i> , 2012, 45, 2145-2160.	4.8	27
82	Interactions between Brushes of Root-Tethered Dendrons. <i>Macromolecules</i> , 2014, 47, 6932-6945.	4.8	27
83	Brushes of Cycled Macromolecules: Structure and Lubricating Properties. <i>Macromolecules</i> , 2016, 49, 8758-8767.	4.8	27
84	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.	9.4	27
85	Predictions of copolymer micelle behavior in immiscible solvents. <i>Langmuir</i> , 1992, 8, 429-436.	3.5	26
86	Depletion Zones in Polyelectrolyte Systems: Polydispersity Effects and Colloidal Stability. <i>Langmuir</i> , 1995, 11, 2996-3006.	3.5	26
87	Electrostatic hierarchical co-assembly in aqueous solutions of two oppositely charged double hydrophilic diblock copolymers. <i>European Polymer Journal</i> , 2009, 45, 2913-2925.	5.4	26
88	Ideal Mixing in Multicomponent Brushes of Branched Polymers. <i>Macromolecules</i> , 2015, 48, 8025-8035.	4.8	26
89	Modeling of the electrolyte ion-phospholipid layer interaction. <i>Langmuir</i> , 1994, 10, 1199-1206.	3.5	25
90	Adsorption of Tethered Polyelectrolytes onto Oppositely Charged Solid-Liquid Interfaces. <i>Langmuir</i> , 2001, 17, 1277-1293.	3.5	25

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91	Molecular modeling of lipid bilayers and the effect of protein-like inclusions. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 1996.	2.8	25
92	Stabilization of Polymersome Vesicles by an Interpenetrating Polymer Network. <i>Macromolecules</i> , 2007, 40, 329-333.	4.8	25
93	Complex coacervate core micro-emulsions. <i>Soft Matter</i> , 2008, 4, 1473.	2.7	25
94	Self-Consistent Field Modeling of Poly(ethylene oxide) Adsorption onto Silica: The Multiple Roles of Electrolytes. <i>Langmuir</i> , 2008, 24, 1930-1942.	3.5	25
95	Pluronic polymersomes stabilized by core cross-linked polymer micelles. <i>Soft Matter</i> , 2009, 5, 4042.	2.7	25
96	Behavior of Weak Polyelectrolyte Brushes in Mixed Salt Solutions. <i>Macromolecules</i> , 2018, 51, 1198-1206.	4.8	25
97	On the self-similar structure of adsorbed polymer layers: dependence of the density profile on molecular weight and solution concentration. <i>Macromolecules</i> , 1992, 25, 3449-3453.	4.8	24
98	Exactly solved polymer models with conformational escape transitions of a coil-to-flower type. <i>Europhysics Letters</i> , 2002, 58, 292-298.	2.0	24
99	An Annealed Polyelectrolyte Brush in a Polar/Nonpolar Binary Solvent: Effect of pH and Ionic Strength. <i>Macromolecules</i> , 2002, 35, 4739-4752.	4.8	24
100	Self-Consistent Field Modeling of Linear Nonionic Micelles. <i>Journal of Physical Chemistry B</i> , 2006, 110, 6300-6311.	2.6	24
101	Bending rigidity of mixed phospholipid bilayers and the equilibrium radius of corresponding vesicles. <i>Physical Review E</i> , 2007, 76, 011903.	2.1	24
102	Counterion Localization in Solutions of Starlike Polyelectrolytes and Colloidal Polyelectrolyte Brushes: A Self-Consistent Field Theory. <i>Langmuir</i> , 2008, 24, 10026-10034.	3.5	24
103	Gentle Immobilization of Nonionic Polymersomes on Solid Substrates. <i>Langmuir</i> , 2008, 24, 76-82.	3.5	24
104	Self-Consistent-Field Analysis of the Micellization of Carboxy-Modified Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (oxid B, 2006, 110, 465-477.	2.6	23
105	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.	2.6	23
106	Phase behavior of flowerlike micelles in a SCF cell model. <i>European Physical Journal E</i> , 2008, 25, 163-173.	1.6	23
107	Comparison of Various Models to Describe the Charge/pH Dependence of Poly(acrylic acid). <i>Journal of Chemical & Engineering Data</i> , 2011, 56, 1602-1612.	1.9	23
108	Self-Assembly of Lysine-Based Dendritic Surfactants Modeled by the Self-Consistent Field Approach. <i>Langmuir</i> , 2018, 34, 1613-1626.	3.5	23

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109	Wetting Transition in a Polymer Brush: A Polymer Droplet Coexisting with Two Film Thicknesses. <i>Langmuir</i> , 2000, 16, 3478-3481.	3.5	22
110	Capillary Adhesion in the Limit of Saturation: Thermodynamics, Self-Consistent Field Modeling and Experiment. <i>Langmuir</i> , 2008, 24, 1308-1317.	3.5	22
111	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.	3.0	22
112	Persistence length of dendronized polymers: the self-consistent field theory. <i>Soft Matter</i> , 2015, 11, 9367-9378.	2.7	22
113	Adsorption of Polymers on Heterogeneous Surfaces. <i>Macromolecules</i> , 1994, 27, 1915-1921.	4.8	21
114	Modeling the interactions between phospholipid bilayer membranes with and without additives. <i>The Journal of Physical Chemistry</i> , 1995, 99, 17282-17293.	2.9	21
115	Thermodynamic derivation of mechanical expressions for interfacial parameters. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 4987-4994.	2.8	21
116	Effect of a Polymer Brush on Capillary Condensation. <i>Langmuir</i> , 2001, 17, 4459-4466.	3.5	21
117	Self-Consistent Field Model of Inhomogeneous Adsorption of Nonionic Surfactants onto Polystyrene Latex. <i>Langmuir</i> , 2003, 19, 878-887.	3.5	21
118	The Polymer Brush Model of Neurofilament Projections: Effect of Protein Composition. <i>Biophysical Journal</i> , 2010, 98, 462-469.	0.5	21
119	Pickering Emulsions: Wetting and Colloidal Stability of Hairy Particles—A Self-Consistent Field Theory. <i>Langmuir</i> , 2011, 27, 6574-6583.	3.5	21
120	Liquid Crystals of Self-Assembled DNA Bottlebrushes. <i>Journal of Physical Chemistry B</i> , 2015, 119, 4084-4092.	2.6	21
121	Modeling of Triblock Terpolymer Micelles with a Segregated Corona. <i>Macromolecules</i> , 2008, 41, 3668-3677.	4.8	20
122	Dendron and Hyperbranched Polymer Brushes in Good and Poor Solvents. <i>Langmuir</i> , 2017, 33, 1315-1325.	3.5	20
123	Modeling of Polyelectrolyte Adsorption from Micellar Solutions onto Biomimetic Substrates. <i>Journal of Physical Chemistry B</i> , 2017, 121, 8638-8651.	2.6	20
124	Self-consistent field theory for wetting of binary polymer-solvent mixtures on rigid and soft interfaces. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 579-587.	1.7	19
125	First-order coil-to-flower transition of a polymer chain pinned near a stepwise external potential: Numerical, analytical, and scaling analysis. <i>Journal of Chemical Physics</i> , 2001, 115, 1586-1595.	3.0	19
126	A Self-Consistent-Field Analysis of the Surface Structure and Surface Tension of Partially Fluorinated Copolymers: The Influence of Polymer Architecture. <i>Macromolecules</i> , 2002, 35, 5670-5680.	4.8	19

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127	Confinement-Induced Phase Behavior and Adsorption Regulation of Ionic Surfactants in the Aqueous Film between Charged Solids. <i>Journal of Physical Chemistry B</i> , 2004, 108, 15033-15042.	2.6	19
128	Small monodisperse unilamellar vesicles from binary copolymer mixtures. <i>Soft Matter</i> , 2009, 5, 4169.	2.7	19
129	On the polyelectrolyte brush model of neurofilaments. <i>Soft Matter</i> , 2009, 5, 2836.	2.7	19
130	Polymers at the Water/Air Interface, Surface Pressure Isotherms, and Molecularly Detailed Modeling. <i>Langmuir</i> , 2010, 26, 11850-11861.	3.5	19
131	Linking lipid architecture to bilayer structure and mechanics using self-consistent field modelling. <i>Journal of Chemical Physics</i> , 2014, 140, 065102.	3.0	19
132	One-step mild biorefinery of functional biomolecules from microalgae extracts. <i>Reaction Chemistry and Engineering</i> , 2018, 3, 182-187.	3.7	19
133	Amphiphilic Polymer Brush in a Mixture of Incompatible Liquids. Numerical Self-Consistent-Field Calculations. <i>Macromolecules</i> , 2000, 33, 1072-1081.	4.8	18
134	Depletion interaction measured by colloidal probe atomic force microscopy. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 4432.	2.8	18
135	Association Colloids and their Equilibrium Modelling. <i>Fundamentals of Interface and Colloid Science</i> , 2005, 5, 4.1-4.123.	0.1	18
136	Surface forces in a confined polymer melt: Self-consistent field analysis of full and restricted equilibrium cases. <i>Physical Review E</i> , 2005, 72, 021807.	2.1	18
137	Modeling of Confinement-Induced Phase Transitions for Surfactant Layers on Amphiphilic Surfaces. <i>Langmuir</i> , 2005, 21, 11534-11545.	3.5	18
138	New ends to the tale of tails: adsorption of comb polymers and the effect on colloidal stability. <i>Soft Matter</i> , 2009, 5, 1448.	2.7	18
139	Self-Assembled Structures of PMAA-PMMA Block Copolymers: Synthesis, Characterization, and Self-Consistent Field Computations. <i>Macromolecules</i> , 2015, 48, 1194-1203.	4.8	18
140	Structure of Mixed Brushes Made of Arm-Grafted Polymer Stars and Linear Chains. <i>Macromolecules</i> , 2015, 48, 2263-2276.	4.8	18
141	Diblock Copolymer Adsorption on Small Particles. <i>Langmuir</i> , 1994, 10, 1331-1333.	3.5	17
142	Can Linear Micelles Bridge between Two Surfaces?. <i>Journal of Physical Chemistry B</i> , 2006, 110, 18415-18423.	2.6	17
143	Mechanical Unfolding of a Homopolymer Globule Studied by Self-Consistent Field Modeling. <i>Macromolecules</i> , 2009, 42, 5360-5371.	4.8	17
144	On the edge energy of lipid membranes and the thermodynamic stability of pores. <i>Journal of Chemical Physics</i> , 2015, 142, 034101.	3.0	17

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145	Responsive polymer brushes for controlled nanoparticle exposure. <i>Nanoscale</i> , 2015, 7, 17871-17878.	5.6	17
146	Modeling the Effect of Structural Details of Nonionic Surfactants on Micellization in Solution and Adsorption onto Hydrophobic Surfaces. <i>Langmuir</i> , 2002, 18, 8706-8713.	3.5	16
147	Thermally sensitive dual fluorescent polymeric micelles for probing cell properties. <i>Soft Matter</i> , 2011, 7, 11211.	2.7	16
148	Structure and properties of polydisperse polyelectrolyte brushes studied by self-consistent field theory. <i>Soft Matter</i> , 2018, 14, 6230-6242.	2.7	16
149	Brush Theory of Tethered Chains with a Charged Group at the Free End. <i>Macromolecules</i> , 1997, 30, 584-589.	4.8	15
150	The Adsorption of Nonionic Surfactants in Hydrophilic Cylindrical Pores. 2. Mean Field Lattice Calculations. <i>Langmuir</i> , 1997, 13, 6618-6625.	3.5	15
151	Adsorption of Nonionic Surfactants in Hydrophilic Cylindrical Pores. 1. A Thermodynamic Analysis. <i>Langmuir</i> , 1997, 13, 6452-6460.	3.5	15
152	Confinement-Induced Phase Transition and Hysteresis in Colloidal Forces for Surfactant Layers on Hydrophobic Surfaces. <i>Langmuir</i> , 2005, 21, 10089-10095.	3.5	15
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154	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.	2.6	15
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