

David Andelman

List of Publications by Year in descending order

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186
papers

11,749
citations

26630

56
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30087

103
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194
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194
docs citations

194
times ranked

7366
citing authors

#	ARTICLE	IF	CITATIONS
1	Domain Shapes and Patterns: The Phenomenology of Modulated Phases. <i>Science</i> , 1995, 267, 476-483.	12.6	1,035
2	Steric Effects in Electrolytes: A Modified Poisson-Boltzmann Equation. <i>Physical Review Letters</i> , 1997, 79, 435-438.	7.8	818
3	Neutral and charged polymers at interfaces. <i>Physics Reports</i> , 2003, 380, 1-95.	25.6	629
4	Phase transitions in Langmuir monolayers of polar molecules. <i>Journal of Chemical Physics</i> , 1987, 86, 3673-3681.	3.0	334
5	Theory of Spontaneous Vesicle Formation in Surfactant Mixtures. <i>Science</i> , 1990, 248, 354-356.	12.6	302
6	Adsorption of large ions from an electrolyte solution: a modified Poisson-Boltzmann equation. <i>Electrochimica Acta</i> , 2000, 46, 221-229.	5.2	261
7	Ordered and curved meso-structures in membranes and amphiphilic films. <i>Journal De Physique</i> , 1987, 48, 2013-2018.	1.8	229
8	Dipolar Poisson-Boltzmann Equation: Ions and Dipoles Close to Charge Interfaces. <i>Physical Review Letters</i> , 2007, 99, 077801.	7.8	214
9	Structure and phase equilibria of microemulsions. <i>Journal of Chemical Physics</i> , 1987, 87, 7229-7241.	3.0	201
10	Dielectric Constant of Ionic Solutions: A Field-Theory Approach. <i>Physical Review Letters</i> , 2012, 108, 227801.	7.8	195
11	Stability and phase behavior of mixed surfactant vesicles. <i>Physical Review A</i> , 1991, 43, 1071-1078.	2.5	186
12	Random Surface Model for the L ₃ -Phase of Dilute Surfactant Solutions. <i>Europhysics Letters</i> , 1988, 5, 733-739.	2.0	176
13	Kinetics of Surfactant Adsorption at Fluid-Fluid Interfaces. <i>The Journal of Physical Chemistry</i> , 1996, 100, 13732-13742.	2.9	157
14	Water, electricity, and between: On electrowetting and its applications. <i>Soft Matter</i> , 2008, 4, 38-45.	2.7	155
15	Thin liquid films on rough or heterogeneous solids. <i>Physical Review A</i> , 1991, 43, 4344-4354.	2.5	154
16	Ion-specific hydration effects: Extending the Poisson-Boltzmann theory. <i>Current Opinion in Colloid and Interface Science</i> , 2011, 16, 542-550.	7.4	133
17	Origin of Middle-Phase Microemulsions. <i>Physical Review Letters</i> , 1986, 57, 491-494.	7.8	128
18	Thin Film Diblock Copolymers in Electric Field: Transition from Perpendicular to Parallel Lamellae. <i>Macromolecules</i> , 2002, 35, 5161-5170.	4.8	122

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19	Polyelectrolyte Titration: Theory and Experiment. <i>Journal of Physical Chemistry B</i> , 2000, 104, 11027-11034.	2.6	116
20	Scaling Laws of Polyelectrolyte Adsorption. <i>Macromolecules</i> , 1998, 31, 1665-1671.	4.8	113
21	Complete Wetting on Rough Surfaces: Statics. <i>Europhysics Letters</i> , 1988, 7, 731-736.	2.0	111
22	Dielectric decrement as a source of ion-specific effects. <i>Journal of Chemical Physics</i> , 2011, 134, 074705.	3.0	111
23	Equilibrium Shape of Two-Component Unilamellar Membranes and Vesicles. <i>Europhysics Letters</i> , 1992, 19, 57-62.	2.0	105
24	Monolayers of diblock copolymer at the air-water interface: the attractive monomer-surface case. <i>European Physical Journal B</i> , 1998, 3, 365-375.	1.5	104
25	Electrostatic Properties of Membranes: The Poisson-Boltzmann Theory. <i>Handbook of Biological Physics</i> , 1995, , 603-642.	0.8	102
26	Scale-invariant quenched disorder and its stability criterion at random critical points. <i>Physical Review B</i> , 1984, 29, 2630-2635.	3.2	100
27	Beyond standard Poisson-Boltzmann theory: ion-specific interactions in aqueous solutions. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 424106.	1.8	98
28	Chiral discrimination and phase transitions in Langmuir monolayers. <i>Journal of the American Chemical Society</i> , 1989, 111, 6536-6544.	13.7	95
29	Roughness-induced wetting. <i>Physical Review E</i> , 1997, 55, 687-700.	2.1	94
30	Dimeric Surfactants: Spacer Chain Conformation and Specific Area at the Air/Water Interface. <i>Langmuir</i> , 1994, 10, 2910-2916.	3.5	93
31	Differential capacitance of the electric double layer: The interplay between ion finite size and dielectric decrement. <i>Journal of Chemical Physics</i> , 2015, 142, 044706.	3.0	92
32	Electrostatic Interactions, Curvature Elasticity, and Steric Repulsion in Multimembrane Systems. <i>Europhysics Letters</i> , 1990, 11, 763-768.	2.0	91
33	Effect of Polyelectrolyte Adsorption on Intercolloidal Forces. <i>Journal of Physical Chemistry B</i> , 1999, 103, 5042-5057.	2.6	91
34	Phase Transitions between Vesicles and Micelles Driven by Competing Curvatures. <i>Europhysics Letters</i> , 1994, 25, 231-236.	2.0	88
35	Polyelectrolyte Solutions between Charged Surfaces. <i>Europhysics Letters</i> , 1995, 32, 499-504.	2.0	88
36	Random polyelectrolytes and polyampholytes in solution. <i>European Physical Journal B</i> , 1998, 5, 869-880.	1.5	85

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37	Phase transitions and shapes of two component membranes and vesicles I: strong segregation limit. Journal De Physique II, 1993, 3, 971-997.	0.9	82
38	Onset of DNA Aggregation in Presence of Monovalent and Multivalent Counterions. Biophysical Journal, 2003, 85, 2100-2110.	0.5	80
39	A Model of Electrowetting, Reversed Electrowetting, and Contact Angle Saturation. Langmuir, 2011, 27, 6031-6041.	3.5	80
40	Structural Changes in Block Copolymers: Coupling of Electric Field and Mobile Ions. Physical Review Letters, 2003, 90, 145504.	7.8	71
41	Modulated Phases: Review and Recent Results. Journal of Physical Chemistry B, 2009, 113, 3785-3798.	2.6	71
42	Theory of microemulsions: comparison with experimental behavior. Langmuir, 1988, 4, 802-806.	3.5	70
43	Self-Assembly in Mixtures of Polymers and Small Associating Molecules. Macromolecules, 2000, 33, 8050-8061.	4.8	70
44	Kinetics of surfactant adsorption: the free energy approach. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2001, 183-185, 259-276.	4.7	69
45	Charge-induced phase separation in lipid membranes. Soft Matter, 2014, 10, 7959-7967.	2.7	69
46	Chiral discrimination in solutions and in Langmuir monolayers. Journal of the American Chemical Society, 1993, 115, 12322-12329.	13.7	68
47	The Influence of Substrate Structure on Membrane Adhesion. Langmuir, 1999, 15, 8902-8914.	3.5	68
48	Lateral phase separation in mixtures of lipids and cholesterol. Europhysics Letters, 2004, 67, 321-327.	2.0	68
49	Adsorption and depletion of polyelectrolytes from charged surfaces. Journal of Chemical Physics, 2003, 119, 2355-2362.	3.0	67
50	Phase transitions and shapes of two component membranes and vesicles II : weak segregation limit. Journal De Physique II, 1994, 4, 1333-1362.	0.9	67
51	Correlations and structure factor of bicontinuous microemulsions. Journal De Physique, 1988, 49, 1065-1075.	1.8	66
52	Interfaces of Modulated Phases. Physical Review Letters, 1997, 79, 1058-1061.	7.8	62
53	Ions in Mixed Dielectric Solvents: Density Profiles and Osmotic Pressure between Charged Interfaces. Journal of Physical Chemistry B, 2009, 113, 6001-6011.	2.6	62
54	Hydration interactions: Aqueous solvent effects in electric double layers. Physical Review E, 2000, 62, 5296-5312.	2.1	61

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55	The Vesicle-Micelle Transition in Mixed Lipid-Surfactant Systems: A Molecular Model. <i>Langmuir</i> , 1995, 11, 1154-1161.	3.5	60
56	First- and second-order phase transitions with random fields at low temperatures. <i>Physical Review B</i> , 1983, 27, 3079-3080.	3.2	57
57	Physical aspects of heterogeneities in multi-component lipid membranes. <i>Advances in Colloid and Interface Science</i> , 2014, 208, 34-46.	14.7	57
58	Screening length for finite-size ions in concentrated electrolytes. <i>Physical Review E</i> , 2019, 100, 042615.	2.1	56
59	Adhesion of membranes with competing specific and generic interactions. <i>European Physical Journal E</i> , 2002, 8, 59-66.	1.6	55
60	Dipolar Poisson-Boltzmann approach to ionic solutions: A mean field and loop expansion analysis. <i>Journal of Chemical Physics</i> , 2013, 139, 164909.	3.0	55
61	Charge regulation with fixed and mobile charged macromolecules. <i>Current Opinion in Electrochemistry</i> , 2019, 13, 70-77.	4.8	55
62	Ion induced lamellar-lamellar phase transition in charged surfactant systems. <i>Journal of Chemical Physics</i> , 2006, 124, 224702.	3.0	54
63	Charge regulation: A generalized boundary condition?. <i>Europhysics Letters</i> , 2016, 113, 26004.	2.0	54
64	q-state Potts models in d dimensions: Migdal-Kadanoff approximation. <i>Journal of Physics A</i> , 1981, 14, L91-L96.	1.6	53
65	Onset of self-assembly in polymer-surfactant systems. <i>Europhysics Letters</i> , 1999, 48, 170-176.	2.0	53
66	Supported membranes on chemically structured and rough surfaces. <i>Physical Review E</i> , 2001, 63, 051911.	2.1	53
67	Metastability in the random-field Ising model. <i>Physical Review B</i> , 1985, 32, 4818-4821.	3.2	52
68	Critical amplitude of the Potts model: Zeroes and divergences. <i>Physical Review B</i> , 1984, 29, 4010-4016.	3.2	51
69	Structural Changes of Diblock Copolymer Melts Due to an External Electric Field: A Self-Consistent-Field Theory Study. <i>Macromolecules</i> , 2005, 38, 5766-5773.	4.8	51
70	Membrane curvature elasticity in weakly charged lamellar phases. <i>Langmuir</i> , 1992, 8, 1170-1175.	3.5	50
71	Dynamic Surface Tension of Aqueous Solutions of Ionic Surfactants: Role of Electrostatics. <i>Langmuir</i> , 2011, 27, 1009-1014.	3.5	50
72	Lower Critical Dimension of the Random-Field Ising Model: A Monte Carlo Study. <i>Physical Review Letters</i> , 1984, 52, 145-148.	7.8	49

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73	Shape of Phospholipid/Surfactant Mixed Micelles: Cylinders or Disks? Theoretical Analysis. Journal of Physical Chemistry B, 1997, 101, 6600-6606.	2.6	48
74	Surface induced ordering in thin film diblock copolymers: Tilted lamellar phases. Journal of Chemical Physics, 2001, 115, 1970-1978.	3.0	47
75	Polyelectrolyte adsorption: Chemical and electrostatic interactions. Physical Review E, 2004, 70, 061804.	2.1	47
76	Binding of molecules to DNA and other semiflexible polymers. Physical Review E, 2000, 61, 6740-6749.	2.1	46
77	Electrostatic interactions of asymmetrically charged membranes. Europhysics Letters, 2007, 79, 48002.	2.0	45
78	Interaction between heterogeneously charged surfaces: Surface patches and charge modulation. Physical Review E, 2013, 87, 022402.	2.1	44
79	Test-charge theory for the electric double layer. Physical Review E, 2004, 70, 016102.	2.1	43
80	Dimeric Surfactants: A Simplified Model for the Spacer Chain. Langmuir, 1995, 11, 3605-3606.	3.5	41
81	Kinetics of surfactant adsorption at fluid/fluid interfaces: non-ionic surfactants. Europhysics Letters, 1996, 34, 575-580.	2.0	41
82	Discrete aqueous solvent effects and possible attractive forces. Journal of Chemical Physics, 2001, 114, 3271-3283.	3.0	40
83	Persistence length of a strongly charged rodlike polyelectrolyte in the presence of salt. Physical Review E, 2003, 67, 011805.	2.1	40
84	Bjerrum pairs in ionic solutions: A Poisson-Boltzmann approach. Journal of Chemical Physics, 2017, 146, 194904.	3.0	40
85	Dielectric constant of ionic solutions: Combined effects of correlations and excluded volume. Journal of Chemical Physics, 2018, 149, 054504.	3.0	40
86	Charge oscillations in ionic liquids: A microscopic cluster model. Physical Review E, 2020, 101, 010601.	2.1	40
87	Adhesion-induced lateral phase separation in membranes. European Physical Journal E, 2000, 3, 259-271.	1.6	39
88	Diblock copolymer thin films: Parallel and perpendicular lamellar phases in the weak segregation limit. European Physical Journal E, 2001, 5, 605-614.	1.6	39
89	Direct Measurement of Sub-Debye-Length Attraction between Oppositely Charged Surfaces. Physical Review Letters, 2009, 103, 118304.	7.8	39
90	Orientational Transitions in Symmetric Diblock Copolymers on Rough Surfaces. Macromolecules, 2005, 38, 7193-7196.	4.8	38

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91	Parallel and Perpendicular Lamellae on Corrugated Surfaces. <i>Macromolecules</i> , 2003, 36, 8560-8566.	4.8	37
92	Introduction to electrostatics in soft and biological matter. <i>Scottish Graduate Series</i> , 2006, , 97-122.	0.1	37
93	Block Copolymers in Electric Fields: A Comparison of Single-Mode and Self-Consistent-Field Approximations. <i>Macromolecules</i> , 2006, 39, 289-293.	4.8	36
94	Competition between condensation of monovalent and multivalent ions in DNA aggregation. <i>Current Opinion in Colloid and Interface Science</i> , 2004, 9, 53-58.	7.4	35
95	On the adsorption of polymer solutions on random surfaces: the annealed case. <i>Macromolecules</i> , 1991, 24, 6040-6042.	4.8	34
96	Hydrodynamic Mapping of Two-Dimensional Electric Fields in Monolayers. <i>Physical Review Letters</i> , 1996, 76, 455-458.	7.8	34
97	Defects in lamellar diblock copolymers: Chevron- and $\hat{\text{I}}\text{C}$ -shaped tilt boundaries. <i>Physical Review E</i> , 2000, 61, 2848-2858.	2.1	34
98	Concentration fluctuations and phase transitions in coupled modulated bilayers. <i>Physical Review E</i> , 2012, 86, 021916.	2.1	34
99	Surface tension of electrolyte interfaces: Ionic specificity within a field-theory approach. <i>Journal of Chemical Physics</i> , 2015, 142, 044702.	3.0	34
100	Diblock copolymer ordering induced by patterned surfaces. <i>Europhysics Letters</i> , 2001, 53, 722-728.	2.0	33
101	Polyelectrolyte multilayer formation: Electrostatics and short-range interactions. <i>European Physical Journal E</i> , 2006, 19, 155-162.	1.6	33
102	Kinetics of Surfactant Micellization: A Free Energy Approach. <i>Journal of Physical Chemistry B</i> , 2011, 115, 7268-7280.	2.6	33
103	Theory and phenomenology of mixed amphiphilic aggregates. <i>Current Opinion in Colloid and Interface Science</i> , 1996, 1, 362-366.	7.4	31
104	Stripes of partially fluorinated alkyl chains: Dipolar Langmuir monolayers. <i>Journal of Chemical Physics</i> , 2005, 122, 094717.	3.0	30
105	Coupled Modulated Bilayers: A Phenomenological Model. <i>ChemPhysChem</i> , 2009, 10, 2839-2846.	2.1	30
106	Charge regulating macro-ions in salt solutions: screening properties and electrostatic interactions. <i>Soft Matter</i> , 2018, 14, 6058-6069.	2.7	30
107	First- and second-order phase transitions of infinite-state Potts models in one dimension. <i>Journal of Physics A</i> , 1980, 13, L413-L418.	1.6	29
108	Critical behavior with axially correlated random bonds. <i>Physical Review B</i> , 1985, 31, 4305-4312.	3.2	29

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109	Tension-Induced Morphological Transition in Mixed Lipid Bilayers. <i>Langmuir</i> , 2006, 22, 6771-6774.	3.5	28
110	Electrostatics of patchy surfaces. <i>Advances in Colloid and Interface Science</i> , 2017, 247, 198-207.	14.7	28
111	Kinetics of Surfactant Adsorption at Fluid-Fluid Interfaces: Surfactant Mixtures. <i>Langmuir</i> , 1999, 15, 3574-3581.	3.5	27
112	Revisiting the Poisson-Boltzmann theory: Charge surfaces, multivalent ions and inter-plate forces. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 2956-2961.	2.6	27
113	Surface tension of electrolyte solutions: A self-consistent theory. <i>Europhysics Letters</i> , 2014, 106, 16002.	2.0	27
114	Critical exponents and marginality of the four-state Potts model: Monte Carlo renormalization group. <i>Physical Review B</i> , 1981, 24, 6732-6735.	3.2	26
115	Electrostatic interactions in two-component membranes. <i>Journal De Physique II</i> , 1993, 3, 1411-1425.	0.9	26
116	Ordering Mechanisms in Confined Diblock Copolymers. <i>Journal of Materials Science</i> , 2003, 11, 259-268.	1.2	24
117	Tailoring Nanostructures Using Copolymer Nanoimprint Lithography. <i>Advanced Materials</i> , 2012, 24, 1952-1955.	21.0	24
118	Interfacial instability of charged end-group polymer brushes. <i>Europhysics Letters</i> , 2008, 82, 46001.	2.0	23
119	Protein Adsorption on Lipid Monolayers at their Coexistence Region. <i>Journal De Physique II</i> , 1996, 6, 1023-1047.	0.9	23
120	Conductivity of Concentrated Electrolytes. <i>Physical Review Letters</i> , 2022, 128, 098002.	7.8	22
121	Defect-Free Perpendicular Diblock Copolymer Films: The Synergy Effect of Surface Topography and Chemistry. <i>Macromolecules</i> , 2016, 49, 8241-8248.	4.8	21
122	Thermal fluctuations of thin wetting films on disordered solids. <i>Langmuir</i> , 1992, 8, 2547-2551.	3.5	20
123	Diblock Copolymer Ordering Induced by Patterned Surfaces above the Order-Disorder Transition. <i>Macromolecules</i> , 2001, 34, 2719-2727.	4.8	20
124	Polyelectrolyte persistence length: Attractive effect of counterion correlations and fluctuations. <i>Europhysics Letters</i> , 2003, 61, 67-73.	2.0	20
125	Charged bilayer membranes in asymmetric ionic solutions: Phase diagrams and critical behavior. <i>Physical Review E</i> , 2011, 84, 031919.	2.1	20
126	First and second order phase transitions in Potts models: Competing mechanisms (invited). <i>Journal of Applied Physics</i> , 1982, 53, 7923-7926.	2.5	19

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127	Polymer adsorption on surfactant monolayers and heterogeneous solid surfaces. <i>Journal De Physique II</i> , 1993, 3, 121-138.	0.9	19
128	Nonreciprocal response of a two-dimensional fluid with odd viscosity. <i>Physical Review E</i> , 2021, 103, 042610.	2.1	19
129	Block Copolymer at Nano-Patterned Surfaces. <i>Macromolecules</i> , 2010, 43, 7261-7268.	4.8	18
130	Organization of Block Copolymers using NanoImprint Lithography: Comparison of Theory and Experiments. <i>Macromolecules</i> , 2011, 44, 2206-2211.	4.8	18
131	Free energy approach to micellization and aggregation: Equilibrium, metastability, and kinetics. <i>Current Opinion in Colloid and Interface Science</i> , 2016, 22, 94-98.	7.4	18
132	Steady-state motion of a liquid/liquid/solid contact line. <i>Journal of Colloid and Interface Science</i> , 1987, 119, 451-458.	9.4	16
133	Block copolymer films with free interfaces: Ordering by nanopatterned substrates. <i>Physical Review E</i> , 2012, 86, 010801.	2.1	16
134	Lamellar Diblock Copolymers on Rough Substrates: Self-Consistent Field Theory Studies. <i>Macromolecules</i> , 2015, 48, 7689-7697.	4.8	16
135	The lamellar-disorder interface: one-dimensional modulated profiles. <i>European Physical Journal B</i> , 1998, 4, 95-101.	1.5	15
136	The unbinding transition of mixed fluid membranes. <i>Europhysics Letters</i> , 2003, 64, 844-850.	2.0	15
137	Defect Removal by Solvent Vapor Annealing in Thin Films of Lamellar Diblock Copolymers. <i>Macromolecules</i> , 2019, 52, 9321-9333.	4.8	15
138	Critical behavior of charge-regulated macro-ions. <i>Journal of Chemical Physics</i> , 2020, 153, 024901.	3.0	15
139	Phase Separation of Polyelectrolytes: The Effect of Charge Regulation. <i>Journal of Physical Chemistry B</i> , 2021, 125, 7863-7870.	2.6	15
140	On the theory of tripod amphiphiles, chiral discrimination and phase transitions in Langmuir monolayers. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1990, 168, 172-178.	2.6	14
141	Electrostatic attraction between overall neutral surfaces. <i>Physical Review E</i> , 2016, 94, 022803.	2.1	14
142	Hydrodynamic lift of a two-dimensional liquid domain with odd viscosity. <i>Physical Review E</i> , 2021, 104, 064613.	2.1	14
143	One-dimensional Ising model in a variety of random fields. <i>Physical Review B</i> , 1986, 34, 6214-6218.	3.2	13
144	Polyelectrolyte adsorption. <i>Comptes Rendus Physique</i> , 2000, 1, 1153-1162.	0.1	13

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145	Complex fluids with mobile charge-regulating macro-ions. <i>Europhysics Letters</i> , 2017, 120, 26001.	2.0	13
146	Structures and Phase Transitions in Langmuir Monolayers. <i>Partially Ordered Systems</i> , 1994, , 559-602.	6.5	13
147	Preserving the free energy in a Migdal-Kadanoff approximation for the q-state Potts model. <i>Physical Review B</i> , 1983, 27, 241-247.	3.2	12
148	Interfaces and grain boundaries of lamellar phases. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1998, 249, 285-292.	2.6	12
149	Ionic profiles close to dielectric discontinuities: Specific ion-surface interactions. <i>Journal of Chemical Physics</i> , 2016, 145, 134704.	3.0	12
150	Coarse graining in block copolymer films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 2725-2739.	2.1	11
151	Phase Diagrams and Ordering in Charged Membranes: Binary Mixtures of Charged and Neutral Lipids. <i>Journal of Physical Chemistry B</i> , 2016, 120, 6358-6367.	2.6	11
152	Surface Tension of Acid Solutions: Fluctuations beyond the Nonlinear Poisson-Boltzmann Theory. <i>Langmuir</i> , 2017, 33, 34-44.	3.5	11
153	Budding of domains in mixed bilayer membranes. <i>Physical Review E</i> , 2015, 91, 012708.	2.1	10
154	Osmotic pressure between arbitrarily charged planar surfaces: A revisited approach. <i>European Physical Journal E</i> , 2018, 41, 11.	1.6	10
155	Shear viscosity of two-state enzyme solutions. <i>Physical Review E</i> , 2020, 101, 012610.	2.1	9
156	The Phenomenology of Modulated Phases: From Magnetic Solids and Fluids to Organic Films and Polymers. <i>Series in Soft Condensed Matter</i> , 2009, , 1-56.	0.1	9
157	Phase behavior of polyelectrolyte-surfactant complexes at planar surfaces. <i>Physical Review E</i> , 2006, 74, 021803.	2.1	8
158	Ionic effects on the electric field needed to orient dielectric lamellae. <i>Journal of Chemical Physics</i> , 2010, 132, 164903.	3.0	8
159	Orienting Cylinder-Forming Block Copolymer Thin Films: The Combined Effect of Substrate Corrugation and Its Surface Energy. <i>Macromolecules</i> , 2019, 52, 1241-1248.	4.8	8
160	Bending moduli of charged membranes immersed in polyelectrolyte solutions. <i>Soft Matter</i> , 2007, 3, 644.	2.7	7
161	The phase behavior of mixed lipid membranes in the presence of the rippled phase. <i>European Physical Journal E</i> , 2008, 26, 197-204.	1.6	7
162	Analytical model for ArF photoresist shrinkage under scanning electron microscopy inspection. <i>Journal of Vacuum Science & Technology B</i> , 2009, 27, 1976-1983.	1.3	7

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163	Orienting Thin Films of Lamellar Block Copolymer: The Combined Effect of Mobile Ions and Electric Field. <i>Macromolecules</i> , 2018, 51, 7881-7892.	4.8	7
164	Global Phase Diagrams of Mixed Surfactant-Polymer Systems at Interfaces. <i>The Journal of Physical Chemistry</i> , 1996, 100, 9444-9455.	2.9	6
165	Contact angle saturation in electrowetting: Injection of ions into the surrounding media. <i>Europhysics Letters</i> , 2015, 112, 56001.	2.0	6
166	Surface Pressure of Charged Colloids at the Air/Water Interface. <i>Langmuir</i> , 2018, 34, 13322-13332.	3.5	6
167	Polymer adsorption at liquid/air interfaces under lateral pressure. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1994, 204, 1-16.	2.6	5
168	Adsorption of Polymer Solutions on Surfactant Monolayers: Global Phase Diagrams. <i>Europhysics Letters</i> , 1995, 32, 567-572.	2.0	5
169	Correlated lateral phase separations in stacks of lipid membranes. <i>Journal of Chemical Physics</i> , 2015, 143, 243124.	3.0	5
170	Brownian motion of a charged colloid in restricted confinement. <i>Physical Review E</i> , 2021, 103, 042607.	2.1	5
171	Budding transition of asymmetric two-component lipid domains. <i>Physical Review E</i> , 2016, 94, 032406.	2.1	4
172	Adsorption of polymer solutions on heterogeneous surfaces. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1992, 62, 35-41.	0.6	3
173	Interfacial Phenomena of Solvent-Diluted Block Copolymers. <i>Macromolecules</i> , 2014, 47, 460-469.	4.8	3
174	Enhanced Electro-actuation in Dielectric Elastomers: The Nonlinear Effect of Free Ions. <i>ACS Macro Letters</i> , 2021, 10, 498-502.	4.8	3
175	Formation of diblock copolymer nanoparticles: Theoretical aspects. <i>Giant</i> , 2022, 10, 100101.	5.1	3
176	Relevance of prewetting on the stability of transient foams in partially miscible liquids. <i>The Journal of Physical Chemistry</i> , 1985, 89, 2119-2120.	2.9	2
177	Modulated Phases in Amphiphilic Monolayers at the Water/Air Interface. <i>Materials Research Society Symposia Proceedings</i> , 1989, 177, 337.	0.1	2
178	Erratum to "Polymer adsorption at liquid/air interfaces under lateral pressure" [<i>Physica A</i> 204 (1994) 1-16]. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1996, 227, 158-160.	2.6	1
179	Permeation through a lamellar stack of lipid mixtures. <i>Europhysics Letters</i> , 2017, 120, 18004.	2.0	1
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