

Michal Borkovec

List of Publications by Year in descending order

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219
papers

19,540
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17405

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223
docs citations

223
times ranked

13990
citing authors

#	ARTICLE	IF	CITATIONS
1	Thickness of the particle-free layer near charged interfaces in suspensions of like-charged nanoparticles. <i>Soft Matter</i> , 2021, 17, 6212-6224.	1.2	4
2	Particle Deposition to Silica Surfaces Functionalized with Cationic Polyelectrolytes. <i>Colloids and Interfaces</i> , 2021, 5, 26.	0.9	1
3	Forces between interfaces in concentrated nanoparticle suspensions and polyelectrolyte solutions. <i>Current Opinion in Colloid and Interface Science</i> , 2021, 55, 101482.	3.4	8
4	Forces between solid surfaces in aqueous electrolyte solutions. <i>Advances in Colloid and Interface Science</i> , 2020, 275, 102078.	7.0	53
5	Oscillatory structural forces between charged interfaces in solutions of oppositely charged polyelectrolytes. <i>Soft Matter</i> , 2020, 16, 9662-9668.	1.2	3
6	Structural and Double Layer Forces between Silica Surfaces in Suspensions of Negatively Charged Nanoparticles. <i>Langmuir</i> , 2020, 36, 14443-14452.	1.6	6
7	Heteroaggregation and Homoaggregation of Latex Particles in the Presence of Alkyl Sulfate Surfactants. <i>Colloids and Interfaces</i> , 2020, 4, 52.	0.9	9
8	Schulze-Hardy rule revisited. <i>Colloid and Polymer Science</i> , 2020, 298, 961-967.	1.0	29
9	Structuring of colloidal silica nanoparticle suspensions near water-silica interfaces probed by specular neutron reflectivity. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 6449-6456.	1.3	5
10	Measuring slow heteroaggregation rates in the presence of fast homoaggregation. <i>Journal of Colloid and Interface Science</i> , 2020, 566, 143-152.	5.0	9
11	Heteroaggregation between Charged and Neutral Particles. <i>Langmuir</i> , 2020, 36, 5303-5311.	1.6	5
12	In situ Imaging of Single Polyelectrolyte Chains with the Atomic Force Microscope. <i>Chimia</i> , 2019, 73, 17.	0.3	5
13	Unexpectedly Large Decay Lengths of Double-Layer Forces in Solutions of Symmetric, Multivalent Electrolytes. <i>Journal of Physical Chemistry B</i> , 2019, 123, 1733-1740.	1.2	26
14	Aggregation and charging of sulfate and amidine latex particles in the presence of oxyanions. <i>Journal of Colloid and Interface Science</i> , 2018, 524, 456-464.	5.0	17
15	Persistence Length of Poly(vinyl amine): Quantitative Image Analysis versus Single Molecule Force Response. <i>Macromolecules</i> , 2018, 51, 3632-3639.	2.2	14
16	Interactions between similar and dissimilar charged interfaces in the presence of multivalent anions. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 9436-9448.	1.3	12
17	Attractive non-DLVO forces induced by adsorption of monovalent organic ions. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 158-164.	1.3	15
18	Measuring Inner Layer Capacitance with the Colloidal Probe Technique. <i>Colloids and Interfaces</i> , 2018, 2, 65.	0.9	14

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19	Aggregation of Colloidal Particles in the Presence of Hydrophobic Anions: Importance of Attractive Non-DLVO Forces. <i>Langmuir</i> , 2018, 34, 14368-14377.	1.6	22
20	Colloidal Stability in Asymmetric Electrolytes: Modifications of the Schulze-Hardy Rule. <i>Langmuir</i> , 2017, 33, 1695-1704.	1.6	63
21	Heteroaggregation of oppositely charged particles in the presence of multivalent ions. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 15160-15171.	1.3	36
22	Quantitative Nano-characterization of Polymers Using Atomic Force Microscopy. <i>Chimia</i> , 2017, 71, 195.	0.3	2
23	Depletion and double layer forces acting between charged particles in solutions of like-charged polyelectrolytes and monovalent salts. <i>Soft Matter</i> , 2017, 13, 3284-3295.	1.2	19
24	Influence of Solvent Quality on the Force Response of Individual Poly(styrene) Polymer Chains. <i>ACS Macro Letters</i> , 2017, 6, 1052-1055.	2.3	26
25	Influence of ligand-receptor interactions on force-extension behavior within the freely jointed chain model. <i>Physical Review E</i> , 2017, 96, 062501.	0.8	10
26	Forces between colloidal particles in aqueous solutions containing monovalent and multivalent ions. <i>Current Opinion in Colloid and Interface Science</i> , 2017, 27, 9-17.	3.4	63
27	Mechanically induced cis-to-trans isomerization of carbon-carbon double bonds using atomic force microscopy. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 31202-31210.	1.3	18
28	The persistence length of adsorbed dendronized polymers. <i>Nanoscale</i> , 2016, 8, 13498-13506.	2.8	12
29	Recording stretching response of single polymer chains adsorbed on solid substrates. <i>Polymer</i> , 2016, 102, 350-362.	1.8	15
30	Dispersion forces acting between silica particles across water: influence of nanoscale roughness. <i>Nanoscale Horizons</i> , 2016, 1, 325-330.	4.1	55
31	Forces between silica particles in the presence of multivalent cations. <i>Journal of Colloid and Interface Science</i> , 2016, 472, 108-115.	5.0	31
32	Interplay between Depletion and Double-Layer Forces Acting between Charged Particles in Solutions of Like-Charged Polyelectrolytes. <i>Physical Review Letters</i> , 2016, 117, 088001.	2.9	25
33	Charging and aggregation of latex particles in aqueous solutions of ionic liquids: towards an extended Hofmeister series. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 7511-7520.	1.3	34
34	Nanometer-ranged attraction induced by multivalent ions between similar and dissimilar surfaces probed using an atomic force microscope (AFM). <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 8739-8751.	1.3	15
35	Charge Regulation in the Electrical Double Layer: Ion Adsorption and Surface Interactions. <i>Langmuir</i> , 2016, 32, 380-400.	1.6	237
36	Interaction Forces and Aggregation Rates of Colloidal Latex Particles in the Presence of Monovalent Counterions. <i>Journal of Physical Chemistry B</i> , 2015, 119, 8184-8193.	1.2	34

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37	Adsorption of polyelectrolytes to like-charged substrates induced by multivalent counterions as exemplified by poly(styrene sulfonate) and silica. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 10348-10352.	1.3	39
38	Probing effects of polymer adsorption in colloidal particle suspensions by light scattering as relevant for the aquatic environment: An overview. <i>Science of the Total Environment</i> , 2015, 535, 131-140.	3.9	25
39	Long-ranged and soft interactions between charged colloidal particles induced by multivalent coions. <i>Soft Matter</i> , 2015, 11, 1562-1571.	1.2	31
40	Forces between Negatively Charged Interfaces in the Presence of Cationic Multivalent Oligoamines Measured with the Atomic Force Microscope. <i>Journal of Physical Chemistry C</i> , 2015, 119, 15482-15490.	1.5	37
41	Aggregation of Colloidal Particles in the Presence of Multivalent Co-Ions: The Inverse Schulze-Hardy Rule. <i>Langmuir</i> , 2015, 31, 6610-6614.	1.6	50
42	Specific Ion Effects on Particle Aggregation Induced by Monovalent Salts within the Hofmeister Series. <i>Langmuir</i> , 2015, 31, 3799-3807.	1.6	167
43	Direct force measurements between silica particles in aqueous solutions of ionic liquids containing 1-butyl-3-methylimidazolium (BMIM). <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 16553-16559.	1.3	19
44	Metal loading of lanthanidopolymers driven by positive cooperativity. <i>Dalton Transactions</i> , 2015, 44, 13250-13260.	1.6	13
45	Measurements of dispersion forces between colloidal latex particles with the atomic force microscope and comparison with Lifshitz theory. <i>Journal of Chemical Physics</i> , 2014, 140, 104906.	1.2	55
46	The intrinsic view of ionization equilibria of polyprotic molecules. <i>New Journal of Chemistry</i> , 2014, 38, 5679-5685.	1.4	4
47	Mechanism of Chitosan Adsorption on Silica from Aqueous Solutions. <i>Langmuir</i> , 2014, 30, 4980-4988.	1.6	51
48	Polyelectrolyte adsorption, interparticle forces, and colloidal aggregation. <i>Soft Matter</i> , 2014, 10, 2479.	1.2	284
49	Particle aggregation mechanisms in ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 9515-9524.	1.3	55
50	Accurate Predictions of Forces in the Presence of Multivalent Ions by Poisson-Boltzmann Theory. <i>Langmuir</i> , 2014, 30, 4551-4555.	1.6	37
51	Single-Molecule Force Measurements by Nano-Handling of Individual Dendronized Polymers. <i>ACS Nano</i> , 2014, 8, 2237-2245.	7.3	15
52	Electric double-layer potentials and surface regulation properties measured by colloidal-probe atomic force microscopy. <i>Physical Review E</i> , 2014, 90, 012301.	0.8	44
53	Interaction Forces, Heteroaggregation, and Deposition Involving Charged Colloidal Particles. <i>Journal of Physical Chemistry B</i> , 2014, 118, 6346-6355.	1.2	62
54	Aggregation of Negatively Charged Colloidal Particles in the Presence of Multivalent Cations. <i>Langmuir</i> , 2014, 30, 733-741.	1.6	88

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55	Poissonâ€™Boltzmann description of interaction forces and aggregation rates involving charged colloidal particles in asymmetric electrolytes. <i>Journal of Colloid and Interface Science</i> , 2013, 406, 111-120.	5.0	87
56	Attractive Forces between Charged Colloidal Particles Induced by Multivalent Ions Revealed by Confronting Aggregation and Direct Force Measurements. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 648-652.	2.1	89
57	Direct measurements of forces between different charged colloidal particles and their prediction by the theory of Derjaguin, Landau, Verwey, and Overbeek (DLVO). <i>Journal of Chemical Physics</i> , 2013, 138, 234705.	1.2	31
58	Charging and aggregation of negatively charged colloidal latex particles in the presence of multivalent oligoamine cations. <i>Journal of Colloid and Interface Science</i> , 2013, 392, 34-41.	5.0	35
59	Interactions between Individual Charged Dendronized Polymers and Surfaces. <i>Macromolecules</i> , 2013, 46, 3603-3610.	2.2	18
60	Predicting Aggregation Rates of Colloidal Particles from Direct Force Measurements. <i>Journal of Physical Chemistry B</i> , 2013, 117, 11853-11862.	1.2	54
61	Probing Colloidal Particle Aggregation by Light Scattering. <i>Chimia</i> , 2013, 67, 772.	0.3	26
62	Charging and Aggregation of Positively Charged Colloidal Latex Particles in Presence of Multivalent Polycarboxylate Anions. <i>Zeitschrift Fur Physikalische Chemie</i> , 2012, 226, 597-612.	1.4	15
63	Exploring Forces between Individual Colloidal Particles with the Atomic Force Microscope. <i>Chimia</i> , 2012, 66, 214.	0.3	2
64	Destabilization of Colloidal Suspensions by Multivalent Ions and Polyelectrolytes: From Screening to Overcharging. <i>Langmuir</i> , 2012, 28, 6211-6215.	1.6	52
65	Investigating forces between charged particles in the presence of oppositely charged polyelectrolytes with the multi-particle colloidal probe technique. <i>Advances in Colloid and Interface Science</i> , 2012, 179-182, 85-98.	7.0	79
66	Response of Adsorbed Polyelectrolyte Monolayers to Changes in Solution Composition. <i>Langmuir</i> , 2012, 28, 17506-17516.	1.6	41
67	Ion-Specific Responsiveness of Polyamidoamine (PAMAM) Dendrimers Adsorbed on Silica Substrates. <i>Macromolecules</i> , 2012, 45, 3919-3927.	2.2	23
68	Resolution of Microscopic Protonation Enthalpies of Polyprotic Molecules by Means of Cluster Expansions. <i>Journal of Physical Chemistry B</i> , 2012, 116, 4300-4309.	1.2	11
69	Structure of Adsorbed Polyelectrolyte Monolayers Investigated by Combining Optical Reflectometry and Piezoelectric Techniques. <i>Langmuir</i> , 2012, 28, 5642-5651.	1.6	62
70	Novel self-associative and multiphasic nanostructured soft carriers based on amphiphilic hyaluronic acid derivatives. <i>Carbohydrate Polymers</i> , 2012, 87, 444-451.	5.1	40
71	Molecular mass dependence of adsorbed amount and hydrodynamic thickness of polyelectrolyte layers. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 12716.	1.3	59
72	Conformational Changes of Polyamidoamine (PAMAM) Dendrimers Adsorbed on Silica Substrates. <i>Macromolecules</i> , 2011, 44, 5069-5071.	2.2	19

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73	Zipper and Layer-by-Layer Assemblies of Artificial Photosystems Analyzed by Combining Optical and Piezoelectric Surface Techniques. <i>Langmuir</i> , 2011, 27, 7213-7221.	1.6	8
74	Influence of the Degree of Ionization and Molecular Mass of Weak Polyelectrolytes on Charging and Stability Behavior of Oppositely Charged Colloidal Particles. <i>Langmuir</i> , 2011, 27, 9270-9276.	1.6	31
75	Charge Reversal of Sulfate Latex Particles by Adsorbed Linear Poly(ethylene imine) Probed by Multiparticle Colloidal Probe Technique. <i>Journal of Physical Chemistry B</i> , 2011, 115, 9098-9105.	1.2	37
76	Adsorption of monovalent and divalent cations on planar water-silica interfaces studied by optical reflectivity and Monte Carlo simulations. <i>Journal of Chemical Physics</i> , 2011, 135, 064701.	1.2	44
77	Towards Ångström Resolution with Dynamic Light Scattering. <i>Chimia</i> , 2011, 65, 439-439.	0.3	0
78	Adsorption and surface-induced precipitation of poly(acrylic acid) on calcite revealed with atomic force microscopy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 390, 225-230.	2.3	8
79	Probing adsorption of sodium poly(acrylate) at the calcite-water interface by ellipsometry. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 384, 17-22.	2.3	4
80	Charging and stability of anionic latex particles in the presence of linear poly(ethylene imine). <i>Journal of Colloid and Interface Science</i> , 2011, 360, 580-585.	5.0	34
81	Large Mechanical Response of Single Dendronized Polymers Induced by Ionic Strength. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4250-4253.	7.2	31
82	Stability of negatively charged latex particles in the presence of a strong cationic polyelectrolyte at elevated ionic strengths. <i>Journal of Colloid and Interface Science</i> , 2010, 347, 202-208.	5.0	37
83	Proton binding by linear, branched, and hyperbranched polyelectrolytes. <i>Polymer</i> , 2010, 51, 5649-5662.	1.8	78
84	Highly-sensitive reflectometry setup capable of probing the electrical double layer on silica. <i>Sensors and Actuators B: Chemical</i> , 2010, 151, 250-255.	4.0	16
85	Adsorption of poly(L-lysine) on silica probed by optical reflectometry. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 360, 20-25.	2.3	43
86	Importance of Charge Regulation in Attractive Double-Layer Forces between Dissimilar Surfaces. <i>Physical Review Letters</i> , 2010, 104, 228301.	2.9	89
87	Charge regulation effects on electrostatic patch-charge attraction induced by adsorbed dendrimers. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 4863.	1.3	49
88	Electrostatic Stabilization of Charged Colloidal Particles with Adsorbed Polyelectrolytes of Opposite Charge. <i>Langmuir</i> , 2010, 26, 15109-15111.	1.6	109
89	Attractive and Repulsive Electrostatic Forces between Positively Charged Latex Particles in the Presence of Anionic Linear Polyelectrolytes. <i>Journal of Physical Chemistry B</i> , 2010, 114, 3170-3177.	1.2	130
90	Effective Charge of Adsorbed Poly(amido amine) Dendrimers: Transition from Heterogeneous to Homogeneous Charge Distribution. <i>Macromolecules</i> , 2010, 43, 1129-1136.	2.2	12

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91	Probing Nanometer-Thick Polyelectrolyte Layers Adsorbed on Oppositely Charged Particles by Dynamic Light Scattering. <i>Macromolecules</i> , 2010, 43, 9108-9116.	2.2	37
92	Topologically Matching Supramolecular n/p-Heterojunction Architectures. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6461-6464.	7.2	46
93	Influence of alkali metal counterions on the charging behavior of poly(acrylic acid). <i>Polymer</i> , 2009, 50, 3950-3954.	1.8	31
94	Protonation of silica particles in the presence of a strong cationic polyelectrolyte. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 339, 20-25.	2.3	18
95	Attractive Electrostatic Forces between Identical Colloidal Particles Induced by Adsorbed Polyelectrolytes. <i>Journal of Physical Chemistry B</i> , 2009, 113, 8458-8461.	1.2	63
96	Long-Ranged Attractive Forces Induced by Adsorbed Dendrimers: Direct Force Measurements and Computer Simulations. <i>Langmuir</i> , 2009, 25, 12435-12438.	1.6	27
97	Structure of an Adsorbed Polyelectrolyte Monolayer on Oppositely Charged Colloidal Particles. <i>Langmuir</i> , 2009, 25, 4864-4867.	1.6	31
98	Effective Charge of Adsorbed Poly(amidoamine) Dendrimers from Direct Force Measurements. <i>Macromolecules</i> , 2009, 42, 1749-1758.	2.2	27
99	Ion-Ion Correlation and Charge Reversal at Titrating Solid Interfaces. <i>Langmuir</i> , 2009, 25, 7209-7213.	1.6	85
100	Transition from Completely Reversible to Irreversible Adsorption of Poly(amido amine) Dendrimers on Silica. <i>Langmuir</i> , 2009, 25, 2928-2934.	1.6	35
101	Ordered and Oriented Supramolecular n/p-Heterojunction Surface Architectures: Completion of the Primary Color Collection. <i>Journal of the American Chemical Society</i> , 2009, 131, 11106-11116.	6.6	111
102	Adsorption and Self-Organization of Dendrimers at Water-Solid Interfaces. <i>Chimia</i> , 2009, 63, 279.	0.3	3
103	Linear Polynuclear Helicates as a Link between Discrete Supramolecular Complexes and Programmed Infinite Polymetallic Chains. <i>Chemistry - A European Journal</i> , 2008, 14, 2994-3005.	1.7	42
104	Interactions between solid surfaces with adsorbed polyelectrolytes of opposite charge. <i>Current Opinion in Colloid and Interface Science</i> , 2008, 13, 429-437.	3.4	123
105	Interaction and Structure of Surfaces Coated by Poly(vinyl amines) of Different Line Charge Densities. <i>Journal of Physical Chemistry B</i> , 2008, 112, 14609-14619.	1.2	34
106	Electrostatic Double Layer Forces in the Case of Extreme Charge Regulation. <i>Journal of Physical Chemistry B</i> , 2008, 112, 10795-10799.	1.2	44
107	Adsorption of Poly(amido amine) (PAMAM) Dendrimers on Silica: Importance of Electrostatic Three-Body Attraction. <i>Langmuir</i> , 2008, 24, 465-473.	1.6	99
108	Tuneable Intramolecular Intermetallic Interactions as a New Tool for Programming Linear Heterometallic 4f-4f Complexes. <i>Inorganic Chemistry</i> , 2007, 46, 9312-9322.	1.9	43

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109	Nano-patterning of solid substrates by adsorbed dendrimers. <i>Chemical Communications</i> , 2007, , 266-268.	2.2	40
110	Symmetry Numbers and Statistical Factors in Self-Assembly and Multivalency. <i>Journal of Physical Chemistry B</i> , 2007, 111, 12195-12203.	1.2	110
111	Charging and Aggregation of Positively Charged Latex Particles in the Presence of Anionic Polyelectrolytes. <i>Journal of Physical Chemistry B</i> , 2007, 111, 8626-8633.	1.2	82
112	Protonation of carboxyl latex particles in the presence of a strong cationic polyelectrolyte. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 294, 174-180.	2.3	9
113	Thin adsorbed films of a strong cationic polyelectrolyte on silica substrates. <i>Journal of Colloid and Interface Science</i> , 2007, 309, 28-35.	5.0	66
114	Colloid Facilitated Transport in Natural Porous Media: Fundamental Phenomena and Modelling. , 2007, , 3-27.		4
115	Probing the validity of the Derjaguin approximation for heterogeneous colloidal particles. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 2531.	1.3	75
116	Ionization Equilibria and Conformational Transitions in Polyprotic Molecules and Polyelectrolytes. <i>Journal of Physical Chemistry B</i> , 2006, 110, 10937-10950.	1.2	51
117	Decomposing Bridging Adhesion between Polyelectrolyte Layers into Single Molecule Contributions. <i>Langmuir</i> , 2006, 22, 10880-10884.	1.6	18
118	Ion binding to polyelectrolytes. <i>Current Opinion in Colloid and Interface Science</i> , 2006, 11, 280-289.	3.4	75
119	Interaction forces and molecular adhesion between pre-adsorbed poly(ethylene imine) layers. <i>Journal of Colloid and Interface Science</i> , 2006, 296, 496-506.	5.0	37
120	Deposition of nanosized latex particles onto silica and cellulose surfaces studied by optical reflectometry. <i>Journal of Colloid and Interface Science</i> , 2006, 303, 460-471.	5.0	67
121	Simple thermodynamics for unravelling sophisticated self-assembly processes. <i>Dalton Transactions</i> , 2006, , 1473.	1.6	87
122	Release of colloidal particles in natural porous media by monovalent and divalent cations. <i>Journal of Contaminant Hydrology</i> , 2006, 87, 155-175.	1.6	77
123	scyllo- α -inositol Pentakisphosphate as an Analogue of myo- α -inositol 1,3,4,5,6-Pentakisphosphate: Chemical Synthesis, Physicochemistry and Biological Applications. <i>ChemBioChem</i> , 2006, 7, 1114-1122.	1.3	23
124	Heteroaggregation in Binary Mixtures of Oppositely Charged Colloidal Particles. <i>Langmuir</i> , 2006, 22, 1038-1047.	1.6	112
125	Effects of heat treatment on the aggregation and charging of St \ddot{A} ber-type silica. <i>Journal of Colloid and Interface Science</i> , 2005, 292, 139-147.	5.0	145
126	Strict self-assembly of polymetallic helicates: the concepts behind the semantics. <i>Coordination Chemistry Reviews</i> , 2005, 249, 705-726.	9.5	253

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127	A Simple Thermodynamic Model for Quantitatively Addressing Cooperativity in Multicomponent Self-Assembly Processesâ€”Part 2: Extension to Multimetallic Helicates Possessing Different Binding Sites. <i>Chemistry - A European Journal</i> , 2005, 11, 5227-5237.	1.7	53
128	A Simple Thermodynamic Model for Quantitatively Addressing Cooperativity in Multicomponent Self-Assembly Processesâ€”Part 1: Theoretical Concepts and Application to Monometallic Coordination Complexes and Bimetallic Helicates Possessing Identical Binding Sites. <i>Chemistry - A European Journal</i> , 2005, 11, 5217-5226.	1.7	61
129	Measurement of heteroaggregation rate constants by simultaneous static and dynamic light scattering. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 1464.	1.3	17
130	Intramolecular Protonation Process of Norbadione A:â€” Influence of the Ionic Environment and Stereochemical Consequences. <i>Journal of the American Chemical Society</i> , 2005, 127, 1323-1333.	6.6	21
131	Colloid-Facilitated Transport of Strongly Sorbing Contaminants in Natural Porous Media:Â Mathematical Modeling and Laboratory Column Experimentsâ€. <i>Environmental Science & Technology</i> , 2005, 39, 6378-6386.	4.6	113
132	Super-Stoichiometric Charge Neutralization in Particleâ” Polyelectrolyte Systems. <i>Langmuir</i> , 2005, 21, 3688-3698.	1.6	130
133	Aggregation and Charging of Colloidal Silica Particles:Â Effect of Particle Size. <i>Langmuir</i> , 2005, 21, 5761-5769.	1.6	352
134	Light-scattering form factors of asymmetric particle dimers from heteroaggregation experiments. <i>Journal of Chemical Physics</i> , 2005, 123, 064709.	1.2	21
135	Direct Force Measurements between Cellulose Surfaces and Colloidal Silica Particles. <i>Biomacromolecules</i> , 2005, 6, 3057-3066.	2.6	52
136	Programming Heteropolymetallic Lanthanide Helicates: Thermodynamic Recognition of Different Metal Ions Along the Strands. <i>Chemistry - A European Journal</i> , 2004, 10, 1091-1105.	1.7	72
137	Microscopic ionization mechanism of inositol tetrakisphosphates. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 1144.	1.3	11
138	Statistical mechanical approach to competitive binding of metal ions to multi-center receptors. <i>Dalton Transactions</i> , 2004, , 4096-4105.	1.6	45
139	Interaction between Charged Surfaces on the Poissonâ” Boltzmann Level:Â The Constant Regulation Approximation. <i>Journal of Physical Chemistry B</i> , 2004, 108, 19467-19475.	1.2	93
140	Atomic Force Microscopy Study of the Adsorption and Electrostatic Self-Organization of Poly(amidoamine) Dendrimers on Mica. <i>Langmuir</i> , 2004, 20, 3264-3270.	1.6	98
141	A Simple Thermodynamic Model for Rationalizing the Formation of Self-Assembled Multimetallic Edifices:â€” Application to Triple-Stranded Helicates. <i>Journal of the American Chemical Society</i> , 2004, 126, 11589-11601.	6.6	50
142	Imaging the Coil-to-Globule Conformational Transition of a Weak Polyelectrolyte by Tuning the Polyelectrolyte Charge Density. <i>Nano Letters</i> , 2004, 4, 149-152.	4.5	125
143	Charging and Aggregation of Latex Particles by Oppositely Charged Dendrimers. <i>Langmuir</i> , 2004, 20, 7465-7473.	1.6	105
144	Synthesis and Protonation Behavior of Comblike Poly(ethyleneimine). <i>Macromolecules</i> , 2003, 36, 2500-2507.	2.2	80

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145	Microscopic Protonation Equilibria of Poly(amidoamine) Dendrimers from Macroscopic Titrations. <i>Macromolecules</i> , 2003, 36, 4201-4207.	2.2	305
146	Resolution of Microscopic Protonation Mechanisms in Polyprotic Molecules. <i>Chimia</i> , 2002, 56, 695-701.	0.3	10
147	Predicting the Wettability of Quartz Surfaces Exposed to Dense Nonaqueous Phase Liquids. <i>Environmental Science & Technology</i> , 2001, 35, 2207-2213.	4.6	47
148	Binding of Metal Ions to Polyelectrolytes and Their Oligomeric Counterparts: An Application of a Generalized Potts Model. <i>Journal of Physical Chemistry B</i> , 2001, 105, 6666-6674.	1.2	46
149	Aggregation of Colloidal Particles in the Presence of Oppositely Charged Polyelectrolytes: Effect of Surface Charge Heterogeneities. <i>Langmuir</i> , 2001, 17, 5225-5231.	1.6	105
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