

# Roque Hidalgo-Alvarez

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

221 papers	6,367 citations	38 h-index	66 g-index
232 ext. papers	6,784 ext. citations	4.9 avg, IF	5.72 L-index

#	Paper	IF	Citations
221	Design of smart lubricants using the inverse ferrofluid approach. <i>Tribology International</i> , <b>2022</b> , 166, 107346	4.6	1
220	Synthesis and interfacial activity of PMMA/PtBMA Janus and homogeneous nanoparticles at water/oil interfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2018</b> , 536, 259-265	5.1	11
219	Janus Particles and Interfacial Activity <b>2018</b> , 734-741		
218	Effect of surface roughness on the magnetic interaction between micron-sized ferromagnetic particles: Finite element method calculations. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2017</b> , 28, 992-998	2.3	2
217	Particles adsorbed at various non-aqueous liquid-liquid interfaces. <i>Advances in Colloid and Interface Science</i> , <b>2017</b> , 247, 208-222	14.3	27
216	Towards a universal master curve in magnetorheology. <i>Smart Materials and Structures</i> , <b>2017</b> , 26, 054001	3.4	11
215	Simulations of model magnetorheological fluids in squeeze flow mode. <i>Journal of Rheology</i> , <b>2017</b> , 61, 871-881	4.1	11
214	Describing magnetorheology under a colloidal glass approach. <i>Physical Review E</i> , <b>2017</b> , 95, 052601	2.4	3
213	A simple strategy to improve the interfacial activity of true Janus gold nanoparticles: a shorter hydrophilic capping ligand. <i>Soft Matter</i> , <b>2016</b> , 12, 31-4	3.6	12
212	Surface activity of Janus particles adsorbed at fluid-fluid interfaces: Theoretical and experimental aspects. <i>Advances in Colloid and Interface Science</i> , <b>2016</b> , 233, 240-254	14.3	42
211	Interfacial Activity of Gold Nanoparticles Coated with a Polymeric Patchy Shell and the Role of Spreading Agents. <i>ACS Omega</i> , <b>2016</b> , 1, 311-317	3.9	5
210	Start-up rheometry of highly polydisperse magnetorheological fluids: experiments and simulations. <i>Rheologica Acta</i> , <b>2016</b> , 55, 245-256	2.3	9
209	Testing the mean magnetization approximation, dimensionless and scaling numbers in magnetorheology. <i>Soft Matter</i> , <b>2016</b> , 12, 1468-76	3.6	28
208	Model magnetorheology: A direct comparative study between theories, particle-level simulations and experiments, in steady and dynamic oscillatory shear. <i>Journal of Rheology</i> , <b>2016</b> , 60, 61-74	4.1	20
207	Faceted particles: An approach for the enhancement of the elasticity and the yield-stress of magnetorheological fluids. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 211904	3.4	9
206	A micromechanical model for magnetorheological fluids under slow compression. <i>Rheologica Acta</i> , <b>2016</b> , 55, 215-221	2.3	10
205	Interfacial Activity and Contact Angle of Homogeneous, Functionalized, and Janus Nanoparticles at the Water/Decane Interface. <i>Langmuir</i> , <b>2015</b> , 31, 8818-23	4	30

204	Particle roughness in magnetorheology: effect on the strength of the field-induced structures. <i>Journal Physics D: Applied Physics</i> , <b>2015</b> , 48, 015309	3	10
203	A comparative study on the effect of hydrodynamic interactions in the non-sequential deposition of concentrated colloidal dispersions: stochastic rotation dynamics and Brownian dynamics simulations. <i>Molecular Physics</i> , <b>2015</b> , 113, 3587-3597	1.7	2
202	Specific ion effects on the electrokinetic properties of iron oxide nanoparticles: experiments and simulations. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 17069-78	3.6	22
201	Simulations of polydisperse magnetorheological fluids: A structural and kinetic investigation. <i>Journal of Rheology</i> , <b>2015</b> , 59, 475-498	4.1	17
200	Surface activity and collective behaviour of colloidally stable Janus-like particles at the air-water interface. <i>Soft Matter</i> , <b>2014</b> , 10, 3471-6	3.6	17
199	Two-step yielding in magnetorheology. <i>Journal of Rheology</i> , <b>2014</b> , 58, 1507-1534	4.1	33
198	Comparison of the interfacial activity between homogeneous and Janus gold nanoparticles by pendant drop tensiometry. <i>Langmuir</i> , <b>2014</b> , 30, 1799-804	4	46
197	Cationic polymer nanoparticles and nanogels: from synthesis to biotechnological applications. <i>Chemical Reviews</i> , <b>2014</b> , 114, 367-428	68.1	136
196	Hydrodynamic Interactions in Charged Vesicles Suspensions. <i>Environmental Science and Engineering</i> , <b>2014</b> , 63-70	0.2	0
195	Control of surface morphology and internal structure in magnetite microparticles: from smooth single crystals to rough polycrystals. <i>CrystEngComm</i> , <b>2013</b> , 15, 5236	3.3	7
194	Facile synthesis of thermoresponsive nanohybrids. <i>Soft Matter</i> , <b>2013</b> , 9, 8415	3.6	5
193	Oxidation of ferrous hydroxides with nitrate: a versatile method for the preparation of magnetic colloidal particles. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 392, 50-56	9.3	37
192	Rough and Hollow Spherical Magnetite Microparticles: Revealing the Morphology, Internal Structure, and Growth Mechanism. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 5397-5406	3.8	9
191	Brownian dynamics simulations in magnetorheology and comparison with experiments. <i>Soft Matter</i> , <b>2013</b> , 9, 6970	3.6	22
190	Continuous media theory for MR fluids in non-shearing flows. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 412, 012057	0.3	5
189	Brownian dynamics simulation of monolayer formation by deposition of colloidal particles: a kinetic study at high bulk particle concentration. <i>European Physical Journal E</i> , <b>2012</b> , 35, 69	1.5	4
188	On the validity of continuous media theory for plastic materials in magnetorheological fluids under slow compression. <i>Rheologica Acta</i> , <b>2012</b> , 51, 595-602	2.3	25
187	Magnetorheological fluids: a review. <i>Soft Matter</i> , <b>2011</b> , 7, 3701	3.6	727

186	Gel swelling theories: the classical formalism and recent approaches. <i>Soft Matter</i> , <b>2011</b> , 7, 10536	3.6	243
185	Controlling friction using magnetic nanofluids. <i>Soft Matter</i> , <b>2011</b> , 7, 880-883	3.6	36
184	Monte Carlo simulations of the electrical double layer forces in the presence of divalent electrolyte solutions: effect of the ion size. <i>Soft Matter</i> , <b>2011</b> , 7, 1441-1449	3.6	17
183	On the nonparallelism effect in thin film plate-plate rheometry. <i>Journal of Rheology</i> , <b>2011</b> , 55, 981-986	4.1	11
182	On the effect of particle porosity and roughness in magnetorheology. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 063520	2.5	11
181	Average particle magnetization as an experimental scaling parameter for the yield stress of dilute magnetorheological fluids. <i>Journal Physics D: Applied Physics</i> , <b>2011</b> , 44, 425002	3	12
180	Steady shear magnetorheology of inverse ferrofluids. <i>Journal of Rheology</i> , <b>2011</b> , 55, 127-152	4.1	47
179	Squeeze flow magnetorheology. <i>Journal of Rheology</i> , <b>2011</b> , 55, 753-779	4.1	53
178	Small-amplitude oscillatory shear magnetorheology of inverse ferrofluids. <i>Langmuir</i> , <b>2010</b> , 26, 9334-41	4	28
177	Effect of particle shape in magnetorheology. <i>Journal of Rheology</i> , <b>2010</b> , 54, 1337-1362	4.1	111
176	Multiple time scales and cluster formation mechanisms in charge-heteroaggregation processes. <i>Soft Matter</i> , <b>2010</b> , 6, 3568	3.6	4
175	Study on the correlation between lateral diffusion effect and effective charge in neutral liposomes. <i>Langmuir</i> , <b>2010</b> , 26, 2665-70	4	4
174	Effect of ionic van der Waals forces on the diffuse potential of model colloids. <i>Colloid and Polymer Science</i> , <b>2010</b> , 288, 151-158	2.4	13
173	Soft Elasto-Hydrodynamic Lubrication. <i>Tribology Letters</i> , <b>2010</b> , 39, 109-114	2.8	21
172	A method for the estimation of the film thickness and plate tilt angle in thin film misaligned plate-plate rheometry. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>2010</b> , 165, 1419-1421	2.7	16
171	Dynamic arrest in charged colloidal systems exhibiting large-scale structural heterogeneities. <i>Physical Review Letters</i> , <b>2009</b> , 102, 018301	7.4	13
170	Additional considerations about the role of ion size in charge reversal. <i>Journal of Physics Condensed Matter</i> , <b>2009</b> , 21, 424105	1.8	15
169	Physical properties of elongated magnetic particles: magnetization and friction coefficient anisotropies. <i>ChemPhysChem</i> , <b>2009</b> , 10, 1165-79	3.2	47

168	Electrostatic heteroaggregation regimes in colloidal suspensions. <i>Advances in Colloid and Interface Science</i> , <b>2009</b> , 147-148, 186-204	14.3	37
167	Effect of surface charge on colloidal charge reversal. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 6834-9	3.4	31
166	Dynamic rheology of sphere- and rod-based magnetorheological fluids. <i>Journal of Chemical Physics</i> , <b>2009</b> , 131, 194902	3.9	97
165	The hydrophobic effect as a driving force for charge inversion in colloids. <i>Soft Matter</i> , <b>2009</b> , 5, 1350	3.6	38
164	Synthesis and Characterization of Single-Domain Monocrystalline Magnetite Particles by Oxidative Aging of Fe(OH) <sub>2</sub> . <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 5843-5849	3.8	70
163	Synthesis of Ni ferrite and Co ferrite rodlike particles by superposition of a constant magnetic field. <i>Journal of Materials Research</i> , <b>2008</b> , 23, 1764-1775	2.5	14
162	Evidence of direct crystal growth and presence of hollow microspheres in magnetite particles prepared by oxidation of Fe(OH) <sub>2</sub> . <i>Journal of Colloid and Interface Science</i> , <b>2008</b> , 318, 520-4	9.3	30
161	Imaging techniques applied to characterize bitumen and bituminous emulsions. <i>Advances in Colloid and Interface Science</i> , <b>2008</b> , 136, 93-108	14.3	20
160	Colloidal characterization of micron-sized rod-like magnetite particles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2008</b> , 319, 122-129	5.1	17
159	Charge reversal in real colloids: Experiments, theory and simulations. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2008</b> , 319, 103-108	5.1	33
158	Preparation and characterization of extruded magnetoliposomes. <i>International Journal of Pharmaceutics</i> , <b>2008</b> , 347, 156-62	6.5	76
157	Stabilization of Paraffin Emulsions Used in the Manufacture of Chipboard Panels by Liquid Crystalline Phases. <i>Journal of Dispersion Science and Technology</i> , <b>2007</b> , 28, 829-836	1.5	8
156	Influence of a magnetic field on the formation of magnetite particles via two precipitation methods. <i>Langmuir</i> , <b>2007</b> , 23, 3581-9	4	59
155	Aggregation kinetics of latex microspheres in alcohol-water media. <i>Journal of Colloid and Interface Science</i> , <b>2007</b> , 310, 471-80	9.3	12
154	Two-dimensional colloidal aggregation mediated by the range of repulsive interactions. <i>Physical Review E</i> , <b>2007</b> , 75, 041408	2.4	8
153	Testing one component plasma models on colloidal overcharging phenomena. <i>Journal of Chemical Physics</i> , <b>2006</b> , 125, 144906	3.9	18
152	Influence of Oil Content in Paraffins on the Behavior of Wax Emulsions: Wetting and Rheology. <i>Journal of Dispersion Science and Technology</i> , <b>2006</b> , 27, 155-163	1.5	8
151	Electric double layers with electrolyte mixtures: integral equations theories and simulations. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 1326-31	3.4	32

150	Stability of binary colloids: kinetic and structural aspects of heteroaggregation processes. <i>Soft Matter</i> , <b>2006</b> , 2, 1025-1042	3.6	95
149	Self-assembly in two-dimensions of colloidal particles at liquid mixtures. <i>Langmuir</i> , <b>2006</b> , 22, 6746-9	4	9
148	Renormalization in charged colloids: non-monotonic behaviour with the surface charge. <i>Journal of Physics Condensed Matter</i> , <b>2006</b> , 18, L363-9	1.8	8
147	Zeta-potential of polystyrene latex determined using different electrokinetic techniques in binary liquid mixtures. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2006</b> , 291, 30-37	5.1	19
146	Size and stability of liposomes: a possible role of hydration and osmotic forces. <i>European Physical Journal E</i> , <b>2006</b> , 20, 401-8	1.5	102
145	On the effect of Ca <sup>2+</sup> and La <sup>3+</sup> on the colloidal stability of liposomes. <i>Langmuir</i> , <b>2005</b> , 21, 10968-75	4	34
144	Simulation of electric double layers undergoing charge inversion: mixtures of mono- and multivalent ions. <i>Langmuir</i> , <b>2005</b> , 21, 9231-7	4	38
143	Study on the Effect of Raw Material Composition on Water-Repellent Capacity of Paraffin Wax Emulsions on Wood. <i>Journal of Dispersion Science and Technology</i> , <b>2005</b> , 26, 9-18	1.5	11
142	Ion size correlations and charge reversal in real colloids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2005</b> , 267, 24-30	5.1	43
141	Probing the jellium model with colloidal dispersions of charged liposomes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2005</b> , 270-271, 352-356	5.1	9
140	Functionalized Polymer Colloids: Synthesis and Colloidal Stability. <i>Current Organic Chemistry</i> , <b>2005</b> , 9, 1067-1084	1.7	8
139	Short- and long-range topological correlations in two-dimensional aggregation of dense colloidal suspensions. <i>Physical Review E</i> , <b>2005</b> , 71, 041401	2.4	5
138	Formation and structure of stable aggregates in binary diffusion-limited cluster-cluster aggregation processes. <i>Physical Review E</i> , <b>2005</b> , 72, 031401	2.4	16
137	Simulation of electric double layers with multivalent counterions: ion size effect. <i>Journal of Chemical Physics</i> , <b>2004</b> , 121, 8618-26	3.9	58
136	Cluster discrimination in electrostatic heteroaggregation processes. <i>Physical Review E</i> , <b>2004</b> , 69, 011404	2.4	17
135	Irreversible versus reversible aggregation: mean field theory and experiments. <i>Journal of Chemical Physics</i> , <b>2004</b> , 121, 5468-81	3.9	15
134	Coupled aggregation and sedimentation processes: stochastic mean field theory. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2004</b> , 335, 35-46	3.3	6
133	Streaming current, permeability, and microelectrophoresis of polystyrene latices in methanol-ethanol mixtures. <i>Journal of Colloid and Interface Science</i> , <b>2004</b> , 275, 336-41	9.3	1

132	Simulations of colloidal aggregation with short- and medium-range interactions. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2004</b> , 333, 257-268	3.3	6
131	Colloidal Aggregation in Two-Dimensions <b>2004</b> , 113-209		
130	Spontaneous formation of mesostructures in colloidal monolayers trapped at the air-water interface: a simple explanation. <i>Langmuir</i> , <b>2004</b> , 20, 6977-80	4	36
129	Overcharging in colloids: beyond the Poisson-Boltzmann approach. <i>ChemPhysChem</i> , <b>2003</b> , 4, 234-48	3.2	167
128	Electrokinetic parameters of colloidal model systems: analysis and comparison between dilute and concentrated dispersions. <i>Journal of Colloid and Interface Science</i> , <b>2003</b> , 261, 386-92	9.3	8
127	Effective charges of colloidal particles obtained from collective diffusion experiments. <i>Journal of Colloid and Interface Science</i> , <b>2003</b> , 263, 74-9	9.3	21
126	Stability of highly charged particles: bitumen-in-water dispersions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2003</b> , 222, 233-251	5.1	27
125	Primitive models and electrophoresis: an experimental study. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2003</b> , 222, 155-164	5.1	17
124	Amino-functionalized latex particles obtained by a multistep method: Development of a new immunoreagent. <i>Journal of Polymer Science Part A</i> , <b>2003</b> , 41, 2404-2411	2.5	35
123	Simulated Reversible Aggregation Processes for Different Interparticle Potentials: The Cluster Aging Phenomenon. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 2180-2188	3.4	15
122	Probing charge inversion in model colloids: electrolyte mixtures of multi- and monovalent counterions. <i>Journal of Physics Condensed Matter</i> , <b>2003</b> , 15, S3475-S3483	1.8	33
121	The Young-Laplace equation links capillarity with geometrical optics. <i>European Journal of Physics</i> , <b>2003</b> , 24, 159-168	0.8	9
120	Liquidlike structures in dilute suspensions of charged liposomes. <i>Journal of Chemical Physics</i> , <b>2003</b> , 118, 5167-5173	3.9	18
119	Interplay between hydrodynamic and direct interactions using liposomes. <i>Journal of Chemical Physics</i> , <b>2003</b> , 119, 628-634	3.9	14
118	Modeling the aggregation of partially covered particles: theory and simulation. <i>Physical Review E</i> , <b>2003</b> , 68, 011404	2.4	15
117	Looking into overcharging in model colloids through electrophoresis: Asymmetric electrolytes. <i>Journal of Chemical Physics</i> , <b>2003</b> , 118, 4183-4189	3.9	48
116	Coupled aggregation and sedimentation processes: the sticking probability effect. <i>Physical Review E</i> , <b>2003</b> , 67, 031401	2.4	12
115	Two-dimensional colloidal aggregation: concentration effects. <i>Journal of Colloid and Interface Science</i> , <b>2002</b> , 246, 227-34	9.3	24



114	The effect of the salt concentration and counterion valence on the aggregation of latex particles at the air/water interface. <i>Journal of Colloid and Interface Science</i> , <b>2002</b> , 249, 405-11	9.3	12
113	Contact angle measurements on two (wood and stone) non-ideal surfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2002</b> , 206, 485-495	5.1	65
112	Concentration effects on two- and three-dimensional colloidal aggregation. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2002</b> , 314, 235-245	3.3	25
111	A study of the different methods usually employed to compute the fractal dimension. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2002</b> , 311, 411-428	3.3	6
110	Interaction potentials, structural ordering and effective charges in dispersions of charged colloidal particles. <i>Advances in Colloid and Interface Science</i> , <b>2002</b> , 95, 295-315	14.3	53
109	Constant bond breakup probability model for reversible aggregation processes. <i>Physical Review E</i> , <b>2002</b> , 65, 031405	2.4	37
108	Role of Long-Range Repulsive Interactions in Two-Dimensional Colloidal Aggregation: Experiments and Simulations. <i>Langmuir</i> , <b>2002</b> , 18, 9183-9191	4	33
107	Electrophoretic mobility of model colloids and overcharging: theory and experiment. <i>Molecular Physics</i> , <b>2002</b> , 100, 3029-3039	1.7	25
106	Electrophoretic Mobility and Primitive Models: Surface Charge Density Effect. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 6881-6886	3.4	32
105	. <i>European Physical Journal E</i> , <b>2002</b> , 7, 153-161	1.5	10
104	The DLCA-RLCA transition arising in 2D-aggregation: simulations and mean field theory. <i>European Physical Journal E</i> , <b>2001</b> , 5, 471-480	1.5	23
103	Multifractal behaviour of the estimated natural measure for colloidal cluster-cluster aggregation in 2-D. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2001</b> , 291, 1-12	3.3	10
102	An improved method to estimate the fractal dimension of physical fractals based on the Hausdorff definition. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2001</b> , 298, 387-399	3.3	18
101	Comparative study of theories of conversion of electrophoretic mobility into $\zeta$ -potential. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2001</b> , 192, 215-226	5.1	13
100	Colloidal stability of IgG- and IgY-coated latex microspheres. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2001</b> , 20, 165-175	6	46
99	Specific cation adsorption on protein-covered particles and its influence on colloidal stability. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2001</b> , 21, 125-135	6	27
98	An Experimental Test of the Ion Condensation Theory for Spherical Colloidal Particles. <i>Journal of Colloid and Interface Science</i> , <b>2001</b> , 233, 280-285	9.3	16
97	Sequential Adsorption of Triton X-100 and Sodium Dodecyl Sulfate onto Positively and Negatively Charged Polystyrene Latexes. <i>Journal of Colloid and Interface Science</i> , <b>2001</b> , 239, 568-576	9.3	33



96	A Light Scattering Study of the Transition Region between Diffusion- and Reaction-Limited Cluster Aggregation. <i>Journal of Colloid and Interface Science</i> , <b>2001</b> , 240, 90-96	9.3	46
95	A probabilistic aggregation kernel for the computer-simulated transition from DLCA to RLCA. <i>Europhysics Letters</i> , <b>2001</b> , 53, 797-803	1.6	57
94	On the self-similarity of fractal colloidal aggregates in two dimensions. <i>Journal of Physics A</i> , <b>2001</b> , 34, 7393-7398		4
93	Probing interaction forces in colloidal monolayers: Inversion of structural data. <i>Journal of Chemical Physics</i> , <b>2001</b> , 115, 10897-10902	3.9	56
92	Fractal Aggregates Induced by Antigen-Antibody Interaction. <i>Langmuir</i> , <b>2001</b> , 17, 2514-2520	4	12
91	Colloidal Interaction at the Air-Liquid Interface. <i>Journal of Colloid and Interface Science</i> , <b>2000</b> , 232, 303-310	3.9	40
90	Simulations of aggregation in 2D. A study of kinetics, structure and topological properties. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2000</b> , 282, 50-64	3.3	11
89	Dynamic scaling in surface-controlled colloidal aggregation. <i>Journal of Physics Condensed Matter</i> , <b>2000</b> , 12, A281-A286	1.8	6
88	Ionic condensation theories and the liquidlike structures observed in colloidal dispersions. <i>Physical Review E</i> , <b>2000</b> , 61, 574-82	2.4	14
87	A comparative study between the adsorption of IgY and IgG on latex particles. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2000</b> , 11, 657-73	3.5	59
86	Multiple contact kernel for diffusionlike aggregation. <i>Physical Review E</i> , <b>2000</b> , 62, 8335-43	2.4	33
85	Dynamic scaling concepts applied to numerical solutions of Smoluchowski's rate equation. <i>Journal of Chemical Physics</i> , <b>1999</b> , 111, 7657-7667	3.9	30
84	Structural effects of the solvent composition in colloidal liquids. <i>Journal of Chemical Physics</i> , <b>1999</b> , 110, 6025-6031	3.9	12
83	Colloidal aggregation in energy minima of restricted depth. <i>Journal of Chemical Physics</i> , <b>1999</b> , 110, 5412-5420	3.9	30
82	Comparative electrophoretic mobility and streaming current study for $\zeta$ -potential determination. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>1999</b> , 159, 449-457	5.1	8
81	Renormalization processes in the charge density of polymer colloids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>1999</b> , 159, 239-252	5.1	24
80	The role played by hydration forces in the stability of protein-coated particles: non-classical DLVO behaviour. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>1999</b> , 14, 3-17	6	49
79	The Surface Charge Density Influence on the Electrokinetic Properties of Model Colloids: Solvent Composition Effect. <i>Journal of Colloid and Interface Science</i> , <b>1999</b> , 214, 243-250	9.3	12

78	Probing Electrostatic Forces in Colloidal Suspensions through Turbidity Data. <i>Journal of Colloid and Interface Science</i> , <b>1999</b> , 217, 177-185	9.3	11
77	Development of a high sensitivity IgG-latex immunodetection system stabilized by hydration forces. <i>Polymer International</i> , <b>1999</b> , 48, 685-690	3.3	6
76	Forces acting on particle-enhanced immunoassays. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>1999</b> , 10, 1093-105	3.5	4
75	Particle enhanced immunoassays stabilized by hydration forces: a comparative study between IgG and F(ab') <sub>2</sub> immunoreactivity. <i>Journal of Immunological Methods</i> , <b>1998</b> , 211, 87-95	2.5	17
74	Streaming Current of Polystyrene Porous Plugs: Solvent Composition Effect. <i>Journal of Colloid and Interface Science</i> , <b>1998</b> , 199, 38-43	9.3	7
73	Covalent Binding of Proteins to Acetal-Functionalized Latexes. I. Physics and Chemical Adsorption and Electrokinetic Characterization. <i>Journal of Colloid and Interface Science</i> , <b>1998</b> , 201, 132-138	9.3	19
72	Covalent Binding of Proteins to Acetal-Functionalized Latexes. II. Colloidal Stability and Immunoreactivity. <i>Journal of Colloid and Interface Science</i> , <b>1998</b> , 201, 139-145	9.3	19
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