

# Roque Hidalgo-Alvarez

## List of Publications by Citations

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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	Magnetorheological fluids: a review. <i>Soft Matter</i> , <b>2011</b> , 7, 3701	3.6	727
220	Gel swelling theories: the classical formalism and recent approaches. <i>Soft Matter</i> , <b>2011</b> , 7, 10536	3.6	243
219	Electrokinetic properties, colloidal stability and aggregation kinetics of polymer colloids. <i>Advances in Colloid and Interface Science</i> , <b>1996</b> , 67, 1-118	14.3	176
218	Overcharging in colloids: beyond the Poisson-Boltzmann approach. <i>ChemPhysChem</i> , <b>2003</b> , 4, 234-48	3.2	167
217	Cationic polymer nanoparticles and nanogels: from synthesis to biotechnological applications. <i>Chemical Reviews</i> , <b>2014</b> , 114, 367-428	68.1	136
216	Effect of particle shape in magnetorheology. <i>Journal of Rheology</i> , <b>2010</b> , 54, 1337-1362	4.1	111
215	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
214	Dynamic rheology of sphere- and rod-based magnetorheological fluids. <i>Journal of Chemical Physics</i> , <b>2009</b> , 131, 194902	3.9	97
213	Stability of binary colloids: kinetic and structural aspects of heteroaggregation processes. <i>Soft Matter</i> , <b>2006</b> , 2, 1025-1042	3.6	95
212	Colloidal Stability of Polymer Colloids with Different Interfacial Properties: Mechanisms. <i>Journal of Colloid and Interface Science</i> , <b>1996</b> , 184, 259-67	9.3	94
211	Measurement of Absolute Coagulation Rate Constants for Colloidal Particles: Comparison of Single and Multiparticle Light Scattering Techniques. <i>Journal of Colloid and Interface Science</i> , <b>1997</b> , 192, 463-70	9.3	87
210	Preparation and characterization of extruded magnetoliposomes. <i>International Journal of Pharmaceutics</i> , <b>2008</b> , 347, 156-62	6.5	76
209	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
208	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
207	Colloidal stability of protein-polymer systems: A possible explanation by hydration forces. <i>Physical Review E</i> , <b>1997</b> , 55, 4522-4530	2.4	64
206	Carboxylated Latexes for Covalent Coupling Antibodies, I. <i>Journal of Colloid and Interface Science</i> , <b>1995</b> , 176, 232-239	9.3	60
205	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

204	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
203	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
202	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
201	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
200	On the adsorption of IgG onto polystyrene particles: electrophoretic mobility and critical coagulation concentration. <i>Colloid and Polymer Science</i> , <b>1992</b> , 270, 574-583	2.4	56
199	Two-dimensional aggregation of polystyrene latex particles. <i>Physical Review E</i> , <b>1993</b> , 47, 2663-2668	2.4	55
198	Squeeze flow magnetorheology. <i>Journal of Rheology</i> , <b>2011</b> , 55, 753-779	4.1	53
197	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
196	On the conversion of experimental electrokinetic data into double layer characteristics in solid-liquid interfaces. <i>Advances in Colloid and Interface Science</i> , <b>1991</b> , 34, 217-341	14.3	53
195	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
194	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
193	Steady shear magnetorheology of inverse ferrofluids. <i>Journal of Rheology</i> , <b>2011</b> , 55, 127-152	4.1	47
192	Physical properties of elongated magnetic particles: magnetization and friction coefficient anisotropies. <i>ChemPhysChem</i> , <b>2009</b> , 10, 1165-79	3.2	47
191	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
190	Colloidal stability of IgG- and IgY-coated latex microspheres. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2001</b> , 20, 165-175	6	46
189	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
188	Effect of the particle surface charge density on the colloidal aggregation mechanism. <i>Physical Review E</i> , <b>1996</b> , 53, 4981-4989	2.4	44
187	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

186	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
185	Colloidal Interaction at the Air-Liquid Interface. <i>Journal of Colloid and Interface Science</i> , <b>2000</b> , 232, 303-310	3.6	40
184	The hydrophobic effect as a driving force for charge inversion in colloids. <i>Soft Matter</i> , <b>2009</b> , 5, 1350	3.6	38
183	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
182	F(ab) <sub>2</sub> -Coated Polymer Carriers: Electrokinetic Behavior and Colloidal Stability. <i>Langmuir</i> , <b>1996</b> , 12, 3211-3220	4	38
181	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
180	Electrostatic heteroaggregation regimes in colloidal suspensions. <i>Advances in Colloid and Interface Science</i> , <b>2009</b> , 147-148, 186-204	14.3	37
179	Constant bond breakup probability model for reversible aggregation processes. <i>Physical Review E</i> , <b>2002</b> , 65, 031405	2.4	37
178	Sequential adsorption of F(ab') <sub>2</sub> and BSA on negatively and positively charged polystyrene latexes. <i>Biotechnology and Bioengineering</i> , <b>1995</b> , 47, 633-9	4.9	37
177	Controlling friction using magnetic nanofluids. <i>Soft Matter</i> , <b>2011</b> , 7, 880-883	3.6	36
176	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
175	Comparative Studies on Physically Adsorbed and Chemically Bound IgG to Carboxylated Latexes, II. <i>Journal of Colloid and Interface Science</i> , <b>1995</b> , 176, 240-247	9.3	36
174	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
173	On the Calculation of Electrokinetic Potential and Hamaker Constant of Model Colloids. <i>Journal of Colloid and Interface Science</i> , <b>1994</b> , 162, 257-260	9.3	35
172	Effect of anomalous surface conductance on $\zeta$ -potential determination of positively charged polystyrene microspheres. <i>Journal of Colloid and Interface Science</i> , <b>1992</b> , 149, 23-26	9.3	35
171	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
170	Two-step yielding in magnetorheology. <i>Journal of Rheology</i> , <b>2014</b> , 58, 1507-1534	4.1	33
169	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

168	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
167	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
166	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
165	Multiple contact kernel for diffusionlike aggregation. <i>Physical Review E</i> , <b>2000</b> , 62, 8335-43	2.4	33
164	Characterization of Immunoglobulin G Bound to Latex Particles Using Surface Plasmon Resonance and Electrophoretic Mobility. <i>Journal of Colloid and Interface Science</i> , <b>1998</b> , 204, 300-11	9.3	32
163	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
162	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
161	Effect of surface charge on colloidal charge reversal. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 6834-9	3.4	31
160	Particle enhanced immunoaggregation of F(ab') <sub>2</sub> molecules. <i>Journal of Immunological Methods</i> , <b>1996</b> , 190, 29-38	2.5	31
159	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
158	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
157	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
156	Colloidal aggregation in energy minima of restricted depth. <i>Journal of Chemical Physics</i> , <b>1999</b> , 110, 5412-5420	3.9	30
155	Functionalized Monodisperse Particles with Chloromethyl Groups for the Covalent Coupling of Proteins. <i>Macromolecules</i> , <b>1998</b> , 31, 4282-4287	5.5	29
154	Testing the mean magnetization approximation, dimensionless and scaling numbers in magnetorheology. <i>Soft Matter</i> , <b>2016</b> , 12, 1468-76	3.6	28
153	Small-amplitude oscillatory shear magnetorheology of inverse ferrofluids. <i>Langmuir</i> , <b>2010</b> , 26, 9334-41	4	28
152	Colloid stability and electrokinetic characterization of polymer colloids prepared by different methods. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>1997</b> , 127, 19-24	5.1	28
151	Electrokinetic Behavior of Polystyrene Latexes with Different Surface Groups: Effect of Heat Treatment. <i>Journal of Colloid and Interface Science</i> , <b>1996</b> , 177, 372-379	9.3	28

150	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
149	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
148	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
147	Comparative Study on the Colloidal Stability Mechanisms of Sulfonate Latexes. <i>Langmuir</i> , <b>1997</b> , 13, 3938-3943	4.1	26
146	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
145	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
144	Electrophoretic mobility of model colloids and overcharging: theory and experiment. <i>Molecular Physics</i> , <b>2002</b> , 100, 3029-3039	1.7	25
143	Two-dimensional colloidal aggregation: concentration effects. <i>Journal of Colloid and Interface Science</i> , <b>2002</b> , 246, 227-34	9.3	24
142	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
141	A comparative study on the electrokinetic behavior of bovine serum albumin molecules adsorbed onto different polymer colloids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>1994</b> , 92, 113-119	5.1	24
140	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
139	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
138	Brownian dynamics simulations in magnetorheology and comparison with experiments. <i>Soft Matter</i> , <b>2013</b> , 9, 6970	3.6	22
137	Adsorption of monoclonal IgG on polystyrene microspheres. <i>Colloid and Polymer Science</i> , <b>1994</b> , 272, 352-358	3.1	22
136	Soft Elasto-Hydrodynamic Lubrication. <i>Tribology Letters</i> , <b>2010</b> , 39, 109-114	2.8	21
135	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
134	Coadsorption of IgG and BSA onto sulfonated polystyrene latex: I. Sequential and competitive coadsorption isotherms. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>1995</b> , 7, 231-40	3.5	21
133	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

132	Study on the Colloidal Stability Mechanisms of Acetal-Functionalized Latexes. <i>Langmuir</i> , <b>1998</b> , 14, 6377-6384	4.5	20
131	Covalent coupling of antibodies to aldehyde groups on polymer carriers. <i>Journal of Materials Science: Materials in Medicine</i> , <b>1995</b> , 6, 779-785	4.5	20
130	Influence of electrostatic forces on IgG adsorption onto polystyrene beads. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>1994</b> , 2, 435-441	6	20
129	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
128	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
127	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
126	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
125	Testing one component plasma models on colloidal overcharging phenomena. <i>Journal of Chemical Physics</i> , <b>2006</b> , 125, 144906	3.9	18
124	Liquidlike structures in dilute suspensions of charged liposomes. <i>Journal of Chemical Physics</i> , <b>2003</b> , 118, 5167-5173	3.9	18
123	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
122	Surface characterization of latexes with different interfacial properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>1996</b> , 108, 263-271	5.1	18
121	Nephelometric assay of immunoglobulin G chemically bound to chloromethyl styrene beads. <i>Polymers for Advanced Technologies</i> , <b>1996</b> , 7, 749-753	3.2	18
120	Surface and electrokinetic characterization of functional aldehyde polymer colloids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>1994</b> , 92, 137-146	5.1	18
119	Adsorption of anionic surfactants on positively charged polystyrene particles II. <i>Colloid and Polymer Science</i> , <b>1991</b> , 269, 406-411	2.4	18
118	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
117	Simulations of polydisperse magnetorheological fluids: A structural and kinetic investigation. <i>Journal of Rheology</i> , <b>2015</b> , 59, 475-498	4.1	17
116	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
115	A Comparative Study on the Adsorption of Triton X-100 and Tween 20 onto Latexes with Different Interfacial Properties. <i>Journal of Colloid and Interface Science</i> , <b>1997</b> , 187, 139-47	9.3	17



114	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
113	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
112	Cluster discrimination in electrostatic heteroaggregation processes. <i>Physical Review E</i> , <b>2004</b> , 69, 011404	2.4	17
111	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
110	COLLOID STABILITY OF POSITIVELY CHARGED MONODISPERSE LATEX IN ALCOHOL-WATER MIXTURES. <i>Journal of Dispersion Science and Technology</i> , <b>1994</b> , 15, 1-19	1.5	17
109	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
108	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
107	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
106	ON SOME ASPECTS OF THE ADSORPTION OF IMMUNOGLOBULIN-G MOLECULES ON POLYSTYRENE MICROSPHERES. <i>Journal of Dispersion Science and Technology</i> , <b>1992</b> , 13, 399-416	1.5	16
105	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
104	A comparative study of optical techniques applied to particle-enhanced assays of C-reactive protein. <i>Journal of Immunological Methods</i> , <b>1997</b> , 205, 151-6	2.5	15
103	Anomalous Colloidal Stability of Latex-Protein Systems. <i>Journal of Colloid and Interface Science</i> , <b>1998</b> , 206, 518-526	9.3	15
102	Irreversible versus reversible aggregation: mean field theory and experiments. <i>Journal of Chemical Physics</i> , <b>2004</b> , 121, 5468-81	3.9	15
101	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
100	Modeling the aggregation of partially covered particles: theory and simulation. <i>Physical Review E</i> , <b>2003</b> , 68, 011404	2.4	15
99	The adsorption of F(ab') <sub>2</sub> on positively and negatively charged polystyrene beads. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>1994</b> , 6, 269-79	3.5	15
98	Coadsorption of IgG and BSA onto sulfonated polystyrene latex: II. Colloidal stability and immunoreactivity. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>1995</b> , 7, 241-51	3.5	15
97	Stabilization of protein-latex complexes at high ionic strength. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>1996</b> , 8, 73-80	6	15



96	A simple kinetic model of antigen-antibody reactions in particle-enhanced light scattering immunoassays. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>1997</b> , 8, 303-309	6	14
95	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
94	Interplay between hydrodynamic and direct interactions using liposomes. <i>Journal of Chemical Physics</i> , <b>2003</b> , 119, 628-634	3.9	14
93	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
92	Effect of surface charge density on the electrosurface properties of positively charged polystyrene beads. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>1994</b> , 92, 121-126	5.1	14
91	Study of the adsorption of F(ab') <sub>2</sub> onto polystyrene latex beads. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>1993</b> , 1, 365-372	6	14
90	Effects of particle concentration, ionic strength, pH and temperature on the microelectrophoretic mobility of cationic polystyrene latex. I <b>1990</b> , 313-320		14
89	Dynamic arrest in charged colloidal systems exhibiting large-scale structural heterogeneities. <i>Physical Review Letters</i> , <b>2009</b> , 102, 018301	7.4	13
88	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
87	Repeptization Determined by Turbidity and Photon Correlation Spectroscopy Measurements: Particle Size Effects. <i>Journal of Colloid and Interface Science</i> , <b>1997</b> , 195, 289-98	9.3	13
86	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
85	Electrokinetic characterization and colloidal stability of polystyrene latex particles partially covered by IgG/a-CRP and m-BSA proteins. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>1994</b> , 92, 127-136	5.1	13
84	Electrophoretic mobility, primary electroviscous effect and colloid stability of highly charged polystyrene latexes <b>1991</b> , 416-424		13
83	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
82	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
81	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
80	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
79	Coupled aggregation and sedimentation processes: the sticking probability effect. <i>Physical Review E</i> , <b>2003</b> , 67, 031401	2.4	12

- 78 Fractal Aggregates Induced by Antigen-Antibody Interaction. *Langmuir*, **2001**, 17, 2514-2520 4 12
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