

Angel Delgado

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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.

269 papers	7,394 citations	42 h-index	73 g-index
275 ext. papers	7,983 ext. citations	5.7 avg, IF	5.83 L-index

#	Paper	IF	Citations
269	Measurement and interpretation of electrokinetic phenomena. <i>Journal of Colloid and Interface Science</i> , 2007 , 309, 194-224	9.3	784
268	Measurement and Interpretation of Electrokinetic Phenomena (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2005 , 77, 1753-1805	2.1	423
267	Synthesis and Characterization of Spherical Magnetite/Biodegradable Polymer Composite Particles. <i>Journal of Colloid and Interface Science</i> , 2001 , 240, 40-47	9.3	197
266	Synthesis and characterization of poly(ethyl-2-cyanoacrylate) nanoparticles with a magnetic core. <i>Journal of Controlled Release</i> , 2001 , 77, 309-21	11.7	157
265	Magnetic colloids as drug vehicles. <i>Journal of Pharmaceutical Sciences</i> , 2008 , 97, 2948-83	3.9	141
264	On the zeta potential and surface charge density of montmorillonite in aqueous electrolyte solutions. <i>Journal of Colloid and Interface Science</i> , 1986 , 113, 203-211	9.3	137
263	Stability and magnetic characterization of oleate-covered magnetite ferrofluids in different nonpolar carriers. <i>Journal of Colloid and Interface Science</i> , 2005 , 291, 144-51	9.3	111
262	Application of a granular mineral-based hemostatic agent (QuikClot) to reduce blood loss after grade V liver injury in swine. <i>Journal of Trauma</i> , 2004 , 57, 555-62; discussion 562		97
261	Thin double layer theory of the wide-frequency range dielectric dispersion of suspensions of non-conducting spherical particles including surface conductivity of the stagnant layer. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2001 , 192, 253-265	5.1	96
260	Dielectric dispersion in aqueous colloidal systems. <i>Current Opinion in Colloid and Interface Science</i> , 2010 , 15, 145-159	7.6	94
259	Dynamic characterization of extremely bidisperse magnetorheological fluids. <i>Journal of Colloid and Interface Science</i> , 2012 , 377, 153-9	9.3	93
258	Stabilization of magnetorheological suspensions by polyacrylic acid polymers. <i>Journal of Colloid and Interface Science</i> , 2005 , 284, 527-41	9.3	93
257	Stability of Cobalt Ferrite Colloidal Particles. Effect of pH and Applied Magnetic Fields. <i>Langmuir</i> , 2000 , 16, 7954-7961	4	90
256	Preparation and characterization of carbonyl iron/poly(butylcyanoacrylate) core/shell nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2006 , 299, 599-607	9.3	86
255	Exogenous administration of Substance P enhances wound healing in a novel skin-injury model. <i>Experimental Biology and Medicine</i> , 2005 , 230, 271-80	3.7	84
254	Hemostatic efficacy of two advanced dressings in an aortic hemorrhage model in Swine. <i>Journal of Trauma</i> , 2005 , 59, 25-34; discussion 34-5		83
253	Colloidal stability of magnetite/poly(lactic acid) core/shell nanoparticles. <i>Langmuir</i> , 2006 , 22, 2816-21	4	79

252	Folic acid-decorated and PEGylated PLGA nanoparticles for improving the antitumour activity of 5-fluorouracil. <i>International Journal of Pharmaceutics</i> , 2017 , 516, 61-70	6.5	77
251	Polarization of the Electrical Double Layer. Time Evolution after Application of an Electric Field. <i>Journal of Colloid and Interface Science</i> , 2000 , 232, 141-148	9.3	77
250	Dielectric response of concentrated colloidal suspensions. <i>Journal of Chemical Physics</i> , 2003 , 118, 1945-1956	9.9	74
249	Magnetite/poly(alkylcyanoacrylate) (core/shell) nanoparticles as 5-Fluorouracil delivery systems for active targeting. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008 , 69, 54-63	5.7	72
248	Electrokinetics of concentrated suspensions of spherical colloidal particles with surface conductance, arbitrary zeta potential, and double-layer thickness in static electric fields. <i>Journal of Colloid and Interface Science</i> , 2002 , 252, 126-37	9.3	71
247	Electrophoretic characterization of gold nanoparticles functionalized with human serum albumin (HSA) and creatine. <i>Journal of Colloid and Interface Science</i> , 2009 , 332, 215-23	9.3	68
246	Tegafur loading and release properties of magnetite/poly(alkylcyanoacrylate) (core/shell) nanoparticles. <i>Journal of Controlled Release</i> , 2008 , 125, 50-8	11.7	68
245	Analysis of the dielectric permittivity of suspensions by means of the logarithmic derivative of its real part. <i>Journal of Colloid and Interface Science</i> , 2002 , 249, 327-35	9.3	67
244	CAPMIX -Deploying Capacitors for Salt Gradient Power Extraction. <i>Energy Procedia</i> , 2012 , 20, 108-115	2.3	66
243	Poly(alkylcyanoacrylate) colloidal particles as vehicles for antitumour drug delivery: a comparative study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008 , 62, 64-70	6	62
242	Electrokinetics of Concentrated Suspensions of Spherical Colloidal Particles: Effect of a Dynamic Stern Layer on Electrophoresis and DC Conductivity. <i>Journal of Colloid and Interface Science</i> , 2001 , 243, 351-361	9.3	61
241	Development of iron/ethylcellulose (core/shell) nanoparticles loaded with diclofenac sodium for arthritis treatment. <i>International Journal of Pharmaceutics</i> , 2009 , 382, 270-6	6.5	60
240	AC electrokinetics of concentrated suspensions of soft particles. <i>Langmuir</i> , 2009 , 25, 1986-97	4	59
239	Study of the colloidal stability of concentrated bimodal magnetic fluids. <i>Journal of Colloid and Interface Science</i> , 2007 , 309, 135-9	9.3	58
238	Development of carbonyl iron/ethylcellulose core/shell nanoparticles for biomedical applications. <i>International Journal of Pharmaceutics</i> , 2007 , 339, 237-45	6.5	50
237	Dielectric Dispersion of Colloidal Suspensions in the Presence of Stern Layer Conductance: Particle Size Effects. <i>Journal of Colloid and Interface Science</i> , 1999 , 210, 194-199	9.3	49
236	The effect of the concentration of dispersed particles on the mechanisms of low-frequency dielectric dispersion (LFDD) in colloidal suspensions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1998 , 140, 139-149	5.1	48
235	Aging effects in the electrokinetics of colloidal iron oxides. <i>Journal of Colloid and Interface Science</i> , 2002 , 245, 86-90	9.3	48

234	Measurement of the Low-Frequency Dielectric Properties of Colloidal Suspensions: Comparison between Different Methods. <i>Journal of Colloid and Interface Science</i> , 2000 , 227, 141-146	9.3	47
233	Electrorheology of suspensions of elongated goethite particles. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2009 , 159, 34-40	2.7	46
232	Electrokinetic characterization of magnetite nanoparticles functionalized with amino acids. <i>Journal of Colloid and Interface Science</i> , 2010 , 344, 144-9	9.3	46
231	Ftorafur loading and controlled release from poly(ethyl-2-cyanoacrylate) and poly(butylcyanoacrylate) nanospheres. <i>International Journal of Pharmaceutics</i> , 2007 , 337, 282-90	6.5	44
230	An experimental investigation of the stability of ethylcellulose latex: correlation between zeta potential and sedimentation. <i>European Journal of Pharmaceutical Sciences</i> , 2005 , 26, 170-5	5.1	44
229	Surface thermodynamic properties of polyelectrolyte multilayers. <i>Journal of Colloid and Interface Science</i> , 2005 , 286, 339-48	9.3	43
228	Dynamic electrophoretic mobility of concentrated dispersions of spherical colloidal particles. On the consistent use of the cell model. <i>Langmuir</i> , 2006 , 22, 7041-51	4	42
227	Influence of cell-model boundary conditions on the conductivity and electrophoretic mobility of concentrated suspensions. <i>Advances in Colloid and Interface Science</i> , 2005 , 118, 43-50	14.3	42
226	Polyelectrolyte-coated carbons used in the generation of blue energy from salinity differences. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 25241-6	3.6	39
225	Predictions of the maximum energy extracted from salinity exchange inside porous electrodes. <i>Journal of Colloid and Interface Science</i> , 2013 , 402, 340-9	9.3	38
224	Magnetic Nanoparticles Coated with a Thermosensitive Polymer with Hyperthermia Properties. <i>Polymers</i> , 2017 , 10,	4.5	37
223	Influence of Double-Layer Overlap on the Electrophoretic Mobility and DC Conductivity of a Concentrated Suspension of Spherical Particles. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 3199-3206	3.4	37
222	Sedimentation velocity and potential in a concentrated colloidal suspension. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2001 , 195, 157-169	5.1	37
221	Hydrolysis versus ion correlation models in electrokinetic charge inversion: establishing application ranges. <i>Langmuir</i> , 2012 , 28, 6786-93	4	36
220	Use of Soft Electrodes in Capacitive Deionization of Solutions. <i>Environmental Science & Technology</i> , 2017 , 51, 5326-5333	10.3	35
219	Materials selection for optimum energy production by double layer expansion methods. <i>Journal of Power Sources</i> , 2014 , 261, 371-377	8.9	35
218	Iron/ethylcellulose (core/shell) nanoplatfom loaded with 5-fluorouracil for cancer targeting. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 77, 111-6	6	35
217	The potential utility of fibrin sealant dressing in repair of vascular injury in swine. <i>Journal of Trauma</i> , 2007 , 62, 94-103		35

216	Effect of recombinant FVIIa in hypothermic, coagulopathic pigs with liver injuries. <i>Journal of Trauma</i> , 2005 , 59, 155-61; discussion 161		33
215	Temperature effects on energy production by salinity exchange. <i>Environmental Science & Technology</i> , 2014 , 48, 12378-85	10.3	32
214	Study of carbonyl iron/poly(butylcyanoacrylate) (core/shell) particles as anticancer drug delivery systems Loading and release properties. <i>European Journal of Pharmaceutical Sciences</i> , 2008 , 33, 252-61	5.1	32
213	Cell model of the direct current electrokinetics in salt-free concentrated suspensions: the role of boundary conditions. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 18313-23	3.4	32
212	Colloidal Stability of a Pharmaceutical Latex: Experimental Determinations and Theoretical Predictions. <i>Journal of Colloid and Interface Science</i> , 1996 , 177, 553-560	9.3	32
211	Improved antitumor activity and reduced toxicity of doxorubicin encapsulated in poly(E-caprolactone) nanoparticles in lung and breast cancer treatment: An in vitro and in vivo study. <i>European Journal of Pharmaceutical Sciences</i> , 2017 , 102, 24-34	5.1	31
210	Rheological and Electrokinetic Properties of Sodium Montmorillonite Suspensions. <i>Journal of Colloid and Interface Science</i> , 2000 , 229, 118-122	9.3	31
209	Electrorheological properties of hematite/silicone oil suspensions under DC fields. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2005 , 125, 1-10	2.7	30
208	Stability of Monodisperse Zinc Sulfide Colloidal Dispersions. <i>Langmuir</i> , 1995 , 11, 3648-3655	4	30
207	Functionalized magnetic nanoparticles as vehicles for the delivery of the antitumor drug gemcitabine to tumor cells. Physicochemical in vitro evaluation. <i>Materials Science and Engineering C</i> , 2013 , 33, 1183-92	8.3	29
206	Negative electrorheological behavior in suspensions of inorganic particles. <i>Langmuir</i> , 2010 , 26, 16833-40		29
205	Electrophoresis of concentrated colloidal dispersions in low-polar solvents. <i>Journal of Colloid and Interface Science</i> , 2011 , 361, 443-55	9.3	28
204	Stability of dispersions of colloidal hematite/yttrium oxide core-shell particles. <i>Journal of Colloid and Interface Science</i> , 2002 , 252, 102-8	9.3	28
203	Stability of Dispersions of Colloidal Nickel Ferrite Spheres. <i>Journal of Colloid and Interface Science</i> , 2001 , 242, 306-313	9.3	28
202	Dielectric relaxation in polystyrene suspensions. Effect of ionic strength. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1994 , 92, 9-21	5.1	28
201	Determination of the size distribution of non-spherical nanoparticles by electric birefringence-based methods. <i>Scientific Reports</i> , 2018 , 8, 9502	4.9	28
200	Polyelectrolyte-versus membrane-coated electrodes for energy production by capmix salinity exchange methods. <i>Journal of Power Sources</i> , 2016 , 302, 387-393	8.9	27
199	A novel biologic hemostatic dressing (fibrin patch) reduces blood loss and resuscitation volume and improves survival in hypothermic, coagulopathic Swine with grade V liver injury. <i>Journal of Trauma</i> , 2008 , 64, 75-80		27

198	Nanoengineering of doxorubicin delivery systems with functionalized maghemite nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 111, 88-96	6	26
197	Effects of electric fields and volume fraction on the rheology of hematite/silicone oil suspensions. <i>Rheologica Acta</i> , 2004 , 44, 71-79	2.3	26
196	Dynamics of the Electric Double Layer: Analysis in the Frequency and Time Domains. <i>Journal of Colloid and Interface Science</i> , 2000 , 228, 95-104	9.3	26
195	Electrophoretic Properties of Colloidal Dispersions of Monodisperse Zinc Sulfide: Effects of Potential-Determining Ions and Surface Oxidation. <i>Journal of Colloid and Interface Science</i> , 1995 , 173, 436-442	9.3	26
194	Loading of 5-Fluorouracil to Poly(ethyl-2-cyanoacrylate) Nanoparticles with a Magnetic Core. <i>Journal of Biomedical Nanotechnology</i> , 2005 , 1, 214-223	4	26
193	Surface conductivity of colloidal particles: experimental assessment of its contributions. <i>Journal of Colloid and Interface Science</i> , 2007 , 316, 836-43	9.3	25
192	Study of the magnetorheological response of aqueous magnetite suspensions stabilized by acrylic acid polymers. <i>Journal of Colloid and Interface Science</i> , 2008 , 324, 199-204	9.3	25
191	Numerical and analytical studies of the electrical conductivity of a concentrated colloidal suspension. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 6179-89	3.4	25
190	The primary electroviscous effect in monodisperse polystyrene suspensions. <i>Acta Polymerica</i> , 1987 , 38, 66-70		25
189	Multi-ionic effects on energy production based on double layer expansion by salinity exchange. <i>Journal of Colloid and Interface Science</i> , 2015 , 446, 335-44	9.3	24
188	Hyperthermia-Triggered Gemcitabine Release from Polymer-Coated Magnetite Nanoparticles. <i>Polymers</i> , 2018 , 10,	4.5	24
187	Effect of polar interactions on the magnetorheology of silica-coated magnetite suspensions in oil media. <i>Journal of Colloid and Interface Science</i> , 2009 , 337, 254-9	9.3	24
186	Dynamic electrophoretic mobility of spherical colloidal particles in salt-free concentrated suspensions. <i>Langmuir</i> , 2008 , 24, 2395-406	4	24
185	Engineering of an antitumor (core/shell) magnetic nanoformulation based on the chemotherapy agent ftorafur. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011 , 384, 157-163	5.1	23
184	Surface Chemical Analysis and Electrokinetic Properties of Synthetic Spherical Mixed Zinc-Cadmium Sulfides. <i>Journal of Colloid and Interface Science</i> , 1997 , 193, 223-33	9.3	23
183	Low frequency dielectric dispersion in ethylcellulose latex. Effect of pH and ionic strength. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1998 , 131, 95-107	5.1	23
182	Dynamic mobility of concentrated suspensions. Comparison between different calculations. <i>Physical Chemistry Chemical Physics</i> , 2004 , 6, 1446-1452	3.6	23
181	A rheological approach to the stability of humic acid/clay colloidal suspensions. <i>Rheologica Acta</i> , 2003 , 42, 148-157	2.3	23

180	Effects of increasing doses of activated recombinant factor VII on haemostatic parameters in swine. <i>Thrombosis and Haemostasis</i> , 2005 , 93, 275-83	7	23
179	A Network Model of the Electrical Double Layer around a Colloid Particle. <i>Journal of Colloid and Interface Science</i> , 1996 , 183, 124-130	9.3	23
178	Particle Size Distribution of Inorganic Colloidal Dispersions: A comparison of different techniques. <i>Particle and Particle Systems Characterization</i> , 1991 , 8, 128-135	3.1	23
177	Enhanced antitumoral activity of doxorubicin against lung cancer cells using biodegradable poly(butylcyanoacrylate) nanoparticles. <i>Drug Design, Development and Therapy</i> , 2015 , 9, 6433-44	4.4	22
176	Giant permittivity and dynamic mobility observed for spherical polyelectrolyte brushes. <i>Soft Matter</i> , 2011 , 7, 3758	3.6	22
175	Quasi-static electrorheological properties of hematite/silicone oil suspensions under DC electric fields. <i>Langmuir</i> , 2005 , 21, 4896-903	4	22
174	Use of a Network Simulation Method for the Determination of the Response of a Colloidal Suspension to a Constant Electric Field. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 11297-11307	3.4	22
173	Effect of Solution Composition on the Energy Production by Capacitive Mixing in Membrane-Electrode Assembly. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 15590-15599	3.8	21
172	Use of a cell model for the evaluation of the dynamic mobility of spherical silica suspensions. <i>Journal of Colloid and Interface Science</i> , 2007 , 309, 342-9	9.3	21
171	Magnetic properties of extremely bimodal magnetite suspensions. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 314, 80-86	2.8	21
170	Structural design of the dry fibrin sealant dressing and its impact on the hemostatic efficacy of the product. <i>Journal of Biomedical Materials Research Part B</i> , 2004 , 70, 114-21		21
169	Surface Thermodynamics of Hematite/Yttrium Oxide Core/Shell Colloidal Particles. <i>Langmuir</i> , 1998 , 14, 6850-6854	4	21
168	The primary electroviscous effect in silica suspensions. Ionic strength and pH effects. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1994 , 92, 23-28	5.1	21
167	Formulation and in vitro evaluation of magnetoliposomes as a potential nanotool in colorectal cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 171, 553-565	6	20
166	Dynamic electrophoretic mobility of spherical colloidal particles in realistic aqueous salt-free concentrated suspensions. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 6134-43	3.4	20
165	Dielectric response of a concentrated colloidal suspension in a salt-free medium. <i>Langmuir</i> , 2008 , 24, 11544-55	4	20
164	Different hypotensive responses to intravenous bovine and human thrombin preparations in swine. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001 , 50, 83-90	9.4	20
163	Effects of Temperature and Polydispersity on the Dielectric Relaxation of Dilute Ethylcellulose Suspensions. <i>Journal of Colloid and Interface Science</i> , 1999 , 217, 411-416	9.3	20

162	Preparation of multi-functionalized Fe ₃ O ₄ /Au nanoparticles for medical purposes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 128, 1-7	6	19
161	Effect of surface properties on the electrorheological response of hematite/silicone oil dispersions. <i>Journal of Colloid and Interface Science</i> , 2013 , 392, 75-82	9.3	19
160	In vitro effect of activated recombinant factor VII (rFVIIa) on coagulation properties of human blood at hypothermic temperatures. <i>Journal of Trauma</i> , 2007 , 63, 1079-86		19
159	Electrical surface charge and potential of hematite/yttrium oxide core-shell colloidal particles. <i>Colloid and Polymer Science</i> , 2001 , 279, 1206-1211	2.4	19
158	A study on the adhesion of calcium carbonate to glass. Energy balance in the deposition process. <i>Journal of Adhesion Science and Technology</i> , 1996 , 10, 847-868	2	19
157	Enhancement of Magnetic Hyperthermia by Mixing Synthetic Inorganic and Biomimetic Magnetic Nanoparticles. <i>Pharmaceutics</i> , 2019 , 11,	6.4	18
156	Simultaneous hyperthermia and doxorubicin delivery from polymer-coated magnetite nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 431, 294-296	2.8	18
155	Electrophoresis and dielectric dispersion of spherical polyelectrolyte brushes. <i>Langmuir</i> , 2012 , 28, 16372-16381	4.81	18
154	Description and performance of a fully automatic device for the study of the sedimentation of magnetic suspensions. <i>Review of Scientific Instruments</i> , 2011 , 82, 073906	1.7	18
153	Static Light Scattering Study of Size Parameters in Core-Shell Colloidal Systems. <i>Journal of Colloid and Interface Science</i> , 1997 , 189, 236-241	9.3	18
152	Effects of In vitro hemodilution, hypothermia and rFVIIa addition on coagulation in human blood. <i>International Journal of Burns and Trauma</i> , 2012 , 2, 42-50	0.4	18
151	Modulation of the Magnetic Hyperthermia Response Using Different Superparamagnetic Iron Oxide Nanoparticle Morphologies. <i>Nanomaterials</i> , 2021 , 11,	5.4	18
150	Magnetic hyperthermia with magnetite nanoparticles: electrostatic and polymeric stabilization. <i>Colloid and Polymer Science</i> , 2016 , 294, 1541-1550	2.4	17
149	Kinetics and interfacial interactions in the adhesion of colloidal calcium carbonate to glass in a packed-bed. <i>Applied Surface Science</i> , 1998 , 134, 125-138	6.7	17
148	A simple model of the high-frequency dynamic mobility in concentrated suspensions. <i>Journal of Colloid and Interface Science</i> , 2006 , 301, 660-7	9.3	17
147	Yield Stress of Concentrated Zirconia Suspensions: Correlation with Particle Interactions. <i>Journal of Colloid and Interface Science</i> , 2000 , 231, 74-83	9.3	17
146	The zeta potential of celestite in aqueous electrolyte and surfactant solutions. <i>Journal of Colloid and Interface Science</i> , 1988 , 126, 367-370	9.3	17
145	Stabilization of lead sulfide nanoparticles by polyamines in aqueous solutions. A structural study of the dispersions. <i>Langmuir</i> , 2010 , 26, 16909-20	4	16

- ¹⁴⁴ Effect of Size Polydispersity on the Dielectric Relaxation of Colloidal Suspensions: A Numerical Study in the Frequency and Time Domains. *Journal of Colloid and Interface Science*, **1998**, 206, 569-576 9.3 16
- ¹⁴³ Effect of additives and measurement procedure on the electrorheology of hematite/silicone oil suspensions. *Rheologica Acta*, **2006**, 45, 865-876 2.3 16
- ¹⁴² Optical properties of dilute hematite/silicone oil suspensions under low electric fields. *Journal of Colloid and Interface Science*, **2005**, 287, 351-9 9.3 16
- ¹⁴¹ Numerical Results for the Dielectric Dispersion Parameters of Colloidal Suspensions. *Journal of Colloid and Interface Science*, **2001**, 242, 75-81 9.3 16
- ¹⁴⁰ Stacking of capacitive cells for electrical energy production by salinity exchange. *Journal of Power Sources*, **2016**, 318, 283-290 8.9 16
- ¹³⁹ Electrokinetics of concentrated suspensions of spheroidal hematite nanoparticles. *Soft Matter*, **2012**, 8, 3596 3.6 15
- ¹³⁸ Surface modification of glass plates and silica particles by phospholipid adsorption. *Journal of Colloid and Interface Science*, **2011**, 353, 281-9 9.3 15
- ¹³⁷ Surface Chemical Analysis and Electrokinetic Properties of Spherical Hematite Particles Coated with Yttrium Compounds. *Journal of Colloid and Interface Science*, **1997**, 194, 398-407 9.3 15
- ¹³⁶ Stability and Flow Behavior of a Magnetorheological Lubricant in a Magnetic Shock Absorber. *Tribology Transactions*, **2008**, 51, 271-277 1.8 15
- ¹³⁵ Determination of stagnant layer conductivity in polystyrene suspensions: temperature effects. *Journal of Colloid and Interface Science*, **2005**, 281, 503-9 9.3 15
- ¹³⁴ Electrokinetic properties of colloids of variable charge. II. Electric birefringence versus dielectric properties. *Journal of Chemical Physics*, **1998**, 109, 6905-6910 3.9 15
- ¹³³ Electric and adsorption properties of pharmaceutical polymers. Part I: Electrokinetics of Aquacoat. *Colloid and Polymer Science*, **1993**, 271, 967-973 2.4 15
- ¹³² A study of the electrokinetic and stability properties of nitrofurantoin suspensions. II: Flocculation and redispersion properties as compared with theoretical interaction energy curves. *Journal of Pharmaceutical Sciences*, **1990**, 79, 709-15 3.9 15
- ¹³¹ A study of the electrophoretic properties of montmorillonite particles in aqueous electrolyte solutions. *Materials Chemistry and Physics*, **1988**, 19, 327-340 4.4 15
- ¹³⁰ Recent developments in electrokinetics of salt-free concentrated suspensions. *Current Opinion in Colloid and Interface Science*, **2016**, 24, 32-43 7.6 14
- ¹²⁹ Study of the magnetorheology of aqueous suspensions of extremely bimodal magnetite particles. *European Physical Journal E*, **2009**, 29, 87-94 1.5 14
- ¹²⁸ Organoclay particles as reinforcing agents in polysaccharide films. *Journal of Colloid and Interface Science*, **2010**, 347, 74-8 9.3 14
- ¹²⁷ Electrokinetic and viscoelastic properties of magnetorheological suspensions of cobalt ferrite. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2001**, 195, 181-188 5.1 14

126	Electrokinetic behavior of spherical colloidal particles of cadmium sulfide. <i>Materials Chemistry and Physics</i> , 1996 , 44, 51-58	4.4	14
125	Flotation properties of celestite in aqueous solutions of ionic surfactants. <i>International Journal of Mineral Processing</i> , 1989 , 26, 51-63		14
124	Dynamic mobility of rodlike goethite particles. <i>Langmuir</i> , 2009 , 25, 10587-94	4	13
123	The scattering of light by a suspension of coated spherical particles: effects of polydispersity on cross sections. <i>Journal Physics D: Applied Physics</i> , 1997 , 30, 2123-2131	3	13
122	Structural explanation of the rheology of a colloidal suspension under high dc electric fields. <i>Physical Review E</i> , 2006 , 73, 041503	2.4	13
121	Effect of stagnant-layer conductivity on the electric permittivity of concentrated colloidal suspensions. <i>Journal of Chemical Physics</i> , 2007 , 126, 104903	3.9	13
120	Effect of ionic mobility on the enhanced dielectric and electro-optic susceptibility of suspensions: Theory and experiments. <i>Journal of Chemical Physics</i> , 2002 , 116, 10973-10980	3.9	13
119	Effect of a Dynamic Stern Layer on the Sedimentation Velocity and Potential in a Dilute Suspension of Colloidal Particles. <i>Journal of Colloid and Interface Science</i> , 2000 , 227, 212-222	9.3	13
118	Correlation of the Dielectric and Conductivity Properties of Polystyrene Suspensions with Zeta Potential and Electrolyte Concentration. <i>Journal of Colloid and Interface Science</i> , 1994 , 166, 128-132	9.3	13
117	Surface thermodynamic properties of cadmium sulfide. <i>Applied Surface Science</i> , 1994 , 81, 1-9	6.7	13
116	Electrokinetic studies of monodisperse hematite particles: effects of inorganic electrolytes and amino acids. <i>Materials Chemistry and Physics</i> , 1994 , 37, 68-75	4.4	13
115	A study of the electrokinetic and stability properties of nitrofurantoin suspensions. I: Electrokinetics. <i>Journal of Pharmaceutical Sciences</i> , 1990 , 79, 82-6	3.9	13
114	Functionalized Biomimetic Magnetic Nanoparticles as Effective Nanocarriers for Targeted Chemotherapy. <i>Particle and Particle Systems Characterization</i> , 2019 , 36, 1900057	3.1	12
113	Electrorheology of clay particle suspensions. Effects of shape and surface treatment. <i>Rheologica Acta</i> , 2018 , 57, 405-413	2.3	12
112	Effects of non-equilibrium association-dissociation processes in the dynamic electrophoretic mobility and dielectric response of realistic salt-free concentrated suspensions. <i>Advances in Colloid and Interface Science</i> , 2013 , 201-202, 57-67	14.3	12
111	Dynamic and wear study of an extremely bidisperse magnetorheological fluid. <i>Smart Materials and Structures</i> , 2015 , 24, 127001	3.4	12
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