

Av Delgado

List of Publications by Year in descending order

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53
papers

3,309
citations

218381

26
h-index

182168

51
g-index

54
all docs

54
docs citations

54
times ranked

3756
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement and interpretation of electrokinetic phenomena. <i>Journal of Colloid and Interface Science</i> , 2007, 309, 194-224.	5.0	947
2	Synthesis and Characterization of Spherical Magnetite/Biodegradable Polymer Composite Particles. <i>Journal of Colloid and Interface Science</i> , 2001, 240, 40-47.	5.0	212
3	Synthesis and characterization of poly(ethyl-2-cyanoacrylate) nanoparticles with a magnetic core. <i>Journal of Controlled Release</i> , 2001, 77, 309-321.	4.8	180
4	Magnetic Colloids As Drug Vehicles. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 2948-2983.	1.6	161
5	Stability and magnetic characterization of oleate-covered magnetite ferrofluids in different nonpolar carriers. <i>Journal of Colloid and Interface Science</i> , 2005, 291, 144-151.	5.0	128
6	Dielectric dispersion in aqueous colloidal systems. <i>Current Opinion in Colloid and Interface Science</i> , 2010, 15, 145-159.	3.4	109
7	Dynamic characterization of extremely bidisperse magnetorheological fluids. <i>Journal of Colloid and Interface Science</i> , 2012, 377, 153-159.	5.0	109
8	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.	2.3	106
9	Stabilization of magnetorheological suspensions by polyacrylic acid polymers. <i>Journal of Colloid and Interface Science</i> , 2005, 284, 527-541.	5.0	105
10	Preparation and characterization of carbonyl iron/poly(butylcyanoacrylate) core/shell nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2006, 299, 599-607.	5.0	99
11	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.	5.0	88
12	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, 126-137.	5.0	79
13	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, 327-335.	5.0	75
14	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.	5.0	65
15	Study of the colloidal stability of concentrated bimodal magnetic fluids. <i>Journal of Colloid and Interface Science</i> , 2007, 309, 135-139.	5.0	64
16	Development of carbonyl iron/ethylcellulose core/shell nanoparticles for biomedical applications. <i>International Journal of Pharmaceutics</i> , 2007, 339, 237-245.	2.6	55
17	Aging Effects in the Electrokinetics of Colloidal Iron Oxides. <i>Journal of Colloid and Interface Science</i> , 2002, 245, 86-90.	5.0	52
18	Electrokinetic characterization of magnetite nanoparticles functionalized with amino acids. <i>Journal of Colloid and Interface Science</i> , 2010, 344, 144-149.	5.0	51

#	ARTICLE	IF	CITATIONS
19	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.	2.3	50
20	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.	5.0	50
21	Ftorafur loading and controlled release from poly(ethyl-2-cyanoacrylate) and poly(butylcyanoacrylate) nanospheres. <i>International Journal of Pharmaceutics</i> , 2007, 337, 282-290.	2.6	47
22	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.	7.0	43
23	Sedimentation velocity and potential in a concentrated colloidal suspension. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2001, 195, 157-169.	2.3	40
24	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, 1183-1192.	3.8	33
25	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.	5.0	29
26	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.	5.0	29
27	Surface conductivity of colloidal particles: Experimental assessment of its contributions. <i>Journal of Colloid and Interface Science</i> , 2007, 316, 836-843.	5.0	25
28	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, 342-349.	5.0	23
29	Magnetic properties of extremely bimodal magnetite suspensions. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 314, 80-86.	1.0	23
30	Magnetic hyperthermia with magnetite nanoparticles: electrostatic and polymeric stabilization. <i>Colloid and Polymer Science</i> , 2016, 294, 1541-1550.	1.0	23
31	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.	1.4	22
32	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.	5.0	20
33	A simple model of the high-frequency dynamic mobility in concentrated suspensions. <i>Journal of Colloid and Interface Science</i> , 2006, 301, 660-667.	5.0	19
34	Effect of Size Polydispersity on the Dielectric Relaxation of Colloidal Suspensions: A Numerical Study in the Frequency and Time Domains. <i>Journal of Colloid and Interface Science</i> , 1998, 206, 569-576.	5.0	16
35	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.	5.0	15
36	Electric permittivity of concentrated suspensions of elongated goethite particles. <i>Journal of Colloid and Interface Science</i> , 2010, 343, 564-573.	5.0	15

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37	Synergy between magnetorheological fluids and aluminum foams: Prospective alternative for seismic damping. <i>Journal of Intelligent Material Systems and Structures</i> , 2016, 27, 872-879.	1.4	14
38	An experimental method for the measurement of the stability of concentrated magnetic fluids. <i>Journal of Colloid and Interface Science</i> , 2007, 311, 475-480.	5.0	13
39	Electroacoustic and dielectric dispersion of concentrated colloidal suspensions. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2006, 13, 657-663.	1.8	12
40	Dynamic electrophoretic mobility of concentrated suspensions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 267, 95-102.	2.3	10
41	Tunable pattern structures in dielectric liquids under high dc electric fields. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2006, 13, 462-469.	1.8	8
42	Electrokinetics in extremely bimodal suspensions. <i>Journal of Colloid and Interface Science</i> , 2007, 309, 296-302.	5.0	8
43	Dielectric relaxation of non-conducting colloidal particles in non-binary solutions: mutual enhancement of adsorption oscillations. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1997, 121, 173-187.	2.3	7
44	Nonstationary electro-osmotic flow in closed cylindrical capillaries. Theory and experiment. <i>Journal of Colloid and Interface Science</i> , 2007, 309, 308-314.	5.0	6
45	Consideration of polydispersity in the evaluation of the dynamic mobility of concentrated suspensions. <i>Journal of Colloid and Interface Science</i> , 2010, 343, 350-358.	5.0	6
46	Thin Double-Layer Approximation and Exact Standard Prediction for the Dielectric Response of a Colloidal Suspension. <i>Journal of Colloid and Interface Science</i> , 1995, 170, 176-181.	5.0	4
47	Particle geometry, charge, and wettability. , 2014, , 443-467.		3
48	Electroacoustic and dielectric dispersion of concentrated colloidal suspensions. , 0, , .		2
49	Dielectric relaxation in concentrated nonaqueous colloidal suspensions. <i>Journal of Colloid and Interface Science</i> , 2014, 436, 132-137.	5.0	2
50	Dynamic electrophoretic mobility and electric permittivity of concentrated suspensions of plate-like gibbsite particles. <i>Journal of Colloid and Interface Science</i> , 2017, 502, 112-121.	5.0	2
51	Effect of cationic surfactant addition on the electrokinetics and stability of silica/kaolinite suspensions in copper hydrometallurgy conditions. <i>Minerals Engineering</i> , 2021, 169, 106958.	1.8	1
52	Electrokinetic detection of the salt-free condition in colloids. Application to polystyrene latexes. <i>Advances in Colloid and Interface Science</i> , 2022, 299, 102539.	7.0	1
53	Tunable pattern structures in dielectric liquids under high DC electric fields. , 0, , .		0