

MarÃ-a L JimÃ©nez

List of Publications by Year in descending order

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papers

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572
citing authors

#	ARTICLE	IF	CITATIONS
1	Electro-orientation of Ag nanowires in viscoelastic fluids. <i>Journal of Colloid and Interface Science</i> , 2022, 622, 700-707.	9.4	1
2	Polymer-induced orientation of nanowires under electric fields. <i>Journal of Colloid and Interface Science</i> , 2021, 591, 58-66.	9.4	8
3	AC Electrokinetics of Salt-Free Multilayered Polymer-Grafted Particles. <i>Polymers</i> , 2020, 12, 2097.	4.5	2
4	Electric Birefringence of Gold Nanorods: Effect of Surfactant Coating. <i>Journal of Physical Chemistry C</i> , 2019, 123, 26623-26632.	3.1	2
5	Electro-Orientation of Silver Nanowires in Alternating Fields. <i>Langmuir</i> , 2019, 35, 687-694.	3.5	10
6	Analysis of the electro-optical response of graphene oxide dispersions under alternating fields. <i>Carbon</i> , 2019, 144, 395-401.	10.3	6
7	Electric birefringence of carbon nanotubes: Single- vs double-walled. <i>Carbon</i> , 2018, 126, 77-84.	10.3	13
8	The Electrical Double Layer as a Capacitor. Evaluation of Capacitance in Different Solutions: Effect of Ion Concentrations, Sizes, and Valencies. <i>Interface Science and Technology</i> , 2018, , 39-62.	3.3	0
9	Charge and Potential Distribution in the Electrical Double Layer of Porous Materials: Models. <i>Interface Science and Technology</i> , 2018, , 3-18.	3.3	2
10	Determination of the size distribution of non-spherical nanoparticles by electric birefringence-based methods. <i>Scientific Reports</i> , 2018, 8, 9502.	3.3	47
11	Use of Soft Electrodes in Capacitive Deionization of Solutions. <i>Environmental Science & Technology</i> , 2017, 51, 5326-5333.	10.0	40
12	Compensating for Electrode Polarization in Dielectric Spectroscopy Studies of Colloidal Suspensions: Theoretical Assessment of Existing Methods. <i>Frontiers in Chemistry</i> , 2016, 4, 30.	3.6	35
13	Stacking of capacitive cells for electrical energy production by salinity exchange. <i>Journal of Power Sources</i> , 2016, 318, 283-290.	7.8	18
14	Electric birefringence spectroscopy of montmorillonite particles. <i>Soft Matter</i> , 2016, 12, 4923-4931.	2.7	16
15	Electric Permittivity and Dynamic Mobility of Dilute Suspensions of Platelike Gibbsite Particles. <i>Langmuir</i> , 2015, 31, 7934-7942.	3.5	2
16	Temperature Effects on Energy Production by Salinity Exchange. <i>Environmental Science & Technology</i> , 2014, 48, 12378-12385.	10.0	38
17	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.	3.1	22
18	Materials selection for optimum energy production by double layer expansion methods. <i>Journal of Power Sources</i> , 2014, 261, 371-377.	7.8	40

#	ARTICLE	IF	CITATIONS
19	Electrokinetics of concentrated suspensions of spheroidal hematite nanoparticles. <i>Soft Matter</i> , 2012, 8, 3596.	2.7	16
20	Electrophoresis and Dielectric Dispersion of Spherical Polyelectrolyte Brushes. <i>Langmuir</i> , 2012, 28, 16372-16381.	3.5	20
21	Electric Birefringence of Dispersions of Platelets. <i>Langmuir</i> , 2012, 28, 251-258.	3.5	24
22	Hydrolysis versus Ion Correlation Models in Electrokinetic Charge Inversion: Establishing Application Ranges. <i>Langmuir</i> , 2012, 28, 6786-6793.	3.5	43
23	Effect of the volume fraction of solids on the concentration polarization around spheroidal hematite particles. <i>Soft Matter</i> , 2011, 7, 3286.	2.7	4
24	Dynamic Electrophoretic Mobility of Spherical Colloidal Particles in Salt-Free Concentrated Suspensions. <i>Langmuir</i> , 2008, 24, 2395-2406.	3.5	27
25	Numerical and Analytical Studies of the Electrical Conductivity of a Concentrated Colloidal Suspension. <i>Journal of Physical Chemistry B</i> , 2006, 110, 6179-6189.	2.6	27
26	Broadband Dielectric Spectra of Spheroidal Hematite Particles. <i>Journal of Physical Chemistry B</i> , 2003, 107, 12192-12200.	2.6	14