HernÃ¡n A Ritacco

List of Publications by Year
in descending order

54 papers	1,583 citations	279798 23 h-index	302126 39 g-index
54 all docs	54 docs citations	54 times ranked	1435 citing authors

#	Article	IF	Citations
1	Salt-induced changes in the growth of polyelectrolyte layers of poly(diallyl-dimethylammonium) Tj ETQq1 1 0.784314 rgBT /Overlock	2.7	173
2	Particle laden fluid interfaces: Dynamics and interfacial rheology. Advances in Colloid and Interface Science, 2014, 206, 303-319.	14.7	164
3	Interfacial microrheology: Particle tracking and related techniques. Current Opinion in Colloid and Interface Science, 2010, 15, 237-245.	7.4	100
4	Adsorption Kinetics and Mechanical Properties of Ultrathin Polyelectrolyte Multilayers: Liquid-Supported versus Solid-Supported Films. Journal of Physical Chemistry B, 2009, 113, 7128-7137.	2.6	81
5	Properties of Aqueous Solutions of Polyelectrolytes and Surfactants of Opposite Charge: Surface Tension, Surface Rheology, and Electrical Birefringence Studies. Journal of Physical Chemistry B, 2003, 107, 9146-9158.	2.6	69
6	Critical wetting concentrations of trisiloxane surfactants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 354, 143-148.	4.7	68
7	Growth of Polyelectrolyte Layers Formed by Poly(4-styrenesulfonate sodium salt) and Two Different Polycations: New Insights from Study of Adsorption Kinetics. Journal of Physical Chemistry C, 2012, 116, 15474-15483.	3.1	59
8	Influence of the polymer backbone rigidity on polyelectrolyteâ€“surfactant complexes at the air/water interface. Physical Chemistry Chemical Physics, 2000, 2, 5243-5251.	2.8	57
9	Effect of the spreading solvent on the three-phase contact angle of microparticles attached at fluid interfaces. Physical Chemistry Chemical Physics, 2010, 12, 14115.	2.8	54
10	Surface rheology: macro- and microrheology of poly(tert-butyl acrylate) monolayers. Soft Matter, 2011, 7, 7761.	2.7	53
11	Freezing Transition and Interaction Potential in Monolayers of Microparticles at Fluid Interfaces. Langmuir, 2011, 27, 3391-3400.	3.5	51
12	Dynamic Surface Tension of Aqueous Solutions of Ionic Surfactants: Role of Electrostatics. Langmuir, 2011, 27, 1009-1014.	3.5	50
13	Evidence of the influence of adsorption kinetics on the internal reorganization of polyelectrolyte multilayers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 384, 274-281.	4.7	47
14	Surface Rheology of Two-Dimensional Percolating Networks: Langmuir Films of Polymer Pancakes. Physical Review Letters, 2005, 95, 056103.	7.8	39
15	Lifetime of Bubble Rafts: Cooperativity and Avalanches. Physical Review Letters, 2007, 98, 244501.	7.8	39
16	A Simplified Method for the Determination of Critical Micelle Concentration. Journal of Chemical Education, 2001, 78, 347.	2.3	38
17	Dynamic Surface Tension of Polyelectrolyte/Surfactant Systems with Opposite Charges:Â Two States for the Surfactant at the Interface. Langmuir, 2004, 20, 3648-3656.	3.5	34
18	Circular dichroism and electron microscopy studies in vitro of 33â€mer gliadin peptide revealed secondary structure transition and supramolecular organization. Biopolymers, 2014, 101, 96-106.	2.4	31

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19	Equilibrium and dynamic surface properties of trisiloxane aqueous solutions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 365, 199-203.	4.7	30
20	Critical aggregation concentration in the PAMPS (10%)/DTAB system. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 218, 27-45.	4.7	29
21	Nanostructures of colloidal complexes formed in oppositely charged polyelectrolyte/surfactant dilute aqueous solutions. European Physical Journal E, 2007, 23, 305-311.	1.6	29
22	Effect of surfactant concentration on the responsiveness of a thermoresponsive copolymer/surfactant mixture with potential application on â€œSmartâ€•foams formulations. Journal of Colloid and Interface Science, 2018, 512, 455-465.	9.4	28
23	Diffusive Liquid Propagation in Porous and Elastic Materials: The Case of Foams under Microgravity Conditions. Physical Review Letters, 2007, 98, 058303.	7.8	27
24	Oscillating bubble measurements of the compression viscoelasticity of mixed surfactantâ€“polyelectrolyte surface layers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 282-283, 203-209.	4.7	23
25	Fluid dynamics of rivulet flow between plates. Physics of Fluids, 2007, 19, .	4.0	21
26	Temperature and Concentration Effects on the Equilibrium and Dynamic Behavior of a Langmuir Monolayer: From Fluid to Gel-like Behavior. Langmuir, 2009, 25, 11528-11532.	3.5	20
27	Fabrication of Robust Capsules by Sequential Assembly of Polyelectrolytes onto Charged Liposomes. Langmuir, 2021, 37, 6189-6200.	3.5	17
28	Dynamics in Ultrathin Films: Particle Tracking Microrheology of Langmuir Monolayers. The Open Physical Chemistry Journal, 2007, 1, 25-32.	0.4	17
29	Equilibrium and dynamic surface properties of trisiloxane aqueous solutions. Part 2. Theory and comparison with experiment. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 365, 204-209.	4.7	15
30	Electro-optic Kerr effect in the study of mixtures of oppositely charged colloids. The case of polymer-surfactant mixtures in aqueous solutions. Advances in Colloid and Interface Science, 2017, 247, 234-257.	14.7	13
31	Complexity and self-organized criticality in liquid foams. A short review. Advances in Colloid and Interface Science, 2020, 285, 102282.	14.7	11
32	The aqueous Triton X-100 â€“ dodecyltrimethylammonium bromidemicellar mixed system. Experimental results and thermodynamic analysis. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 559, 127-135.	4.7	10
33	Wetting Experiments with a "Web Cam" in an Undergraduate Student Laboratory. Journal of Chemical Education, 2006, 83, 114.	2.3	8
34	Polyphosphate Poly(amine) Nanoparticles: Self-Assembly, Thermodynamics, and Stability Studies. Langmuir, 2019, 35, 14300-14309.	3.5	8
35	Stationary Electric Birefringence of Flexible Polyelectrolyte Solutions: Experimental Evidence of Different Counterion Polarization Mechanisms. Macromolecules, 2009, 42, 5843-5850.	4.8	7
36	Equilibrium and Surface Rheology of Monolayers of Insoluble Polycations with Side Chains. Langmuir, 2009, 25, 12561-12568.	3.5	7

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37	Experimental and thermodynamic analysis of mixed micelles formed by dodecylethylmethacrylatedimethylammonium bromide and tetradecyltrimethylammonium bromide. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 614, 126118.	4.7	7
38	Electric Birefringence of Aqueous Solutions of a Rigid Polyelectrolyte. Polarization Mechanisms and Anomalous Birefringence Signals. Macromolecules, 2016, 49, 5618-5629.	4.8	6
39	Thermodynamic analysis of an asymmetric system: Aqueous sodium dehydrocholate-hexadecyltrimethylammonium bromide mixed micelles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 509, 675-683.	4.7	6
40	Interfacial Dynamics and Its Relations with â€œNegativeâ€•Surface Viscosities Measured at Waterâ€“Air Interfaces Covered with a Cationic Surfactant. Langmuir, 2019, 35, 8333-8343.	3.5	6
41	A pH-Responsive Foam Formulated with PAA/Gemini 12-2-12 Complexes. Colloids and Interfaces, 2021, 5, 37.	2.1	6
42	Long PEO-based nanoribbons generated in a polystyrene matrix through reaction-induced microphase separation followed by a fast crystallization process. Soft Matter, 2021, 17, 2279-2289.	2.7	5
43	Equation-Oriented Mixed Micellization Modeling of a Subregular Ternary Surfactant System with Potential Medical Applications. Industrial & Engineering Chemistry Research, 2017, 56, 10972-10980.	3.7	4
44	Playing with Liquid Foams: Learning Physical Chemistry. Journal of Chemical Education, 2008, 85, 1667.	2.3	3
45	Adsorption Kinetics of a Cationic Surfactant Bearing a Two-Charged Head at the Air-Water Interface. Coatings, 2020, 10, 95.	2.6	3
46	Scaling Laws in the Dynamics of Collapse of Single Bubbles and 2D Foams. Langmuir, 2020, 36, 15386-15395.	3.5	3
47	Homologous mixed micellar systems with non-ideal and asymmetric thermodynamic behavior. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 594, 124626.	4.7	2
48	Production of Pd nanoparticles in microemulsions. Effect of reaction rates on the particle size. Physical Chemistry Chemical Physics, 2022, 24, 1692-1701.	2.8	2
49	Kerr Effect of PAMPS/DTAB Aqueous Solutions. Physics and Chemistry of Liquids, 2002, 40, 491-505.	1.2	1
50	Thermodynamics Fundamental Equation of a â€œNon-Idealâ€•Rubber Band from Experiments. Journal of Chemical Education, 2014, 91, 2195-2199.	2.3	1
51	Polarity studies of single polyelectrolyte layers in polyelectrolyte multilayers probed by steady state and life time doxorubicin fluorescence. Journal of Colloid and Interface Science, 2022, 607, 153-162.	9.4	1
52	Dielectric Studies On Microemulsions-Based Gels. Physics and Chemistry of Liquids, 1999, 37, 765-772.	1.2	0
53	Kerr Effect of Xanthan/DTAB Aqueous Solutions. Physics and Chemistry of Liquids, 2003, 41, 15-24.	1.2	0
54	Monolayers and Multilayers. , 2010, , 649-695.		0