

Robert Meszaros

List of Publications by Year in descending order

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51
papers

2,167
citations

218677

26
h-index

214800

47
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53
all docs

53
docs citations

53
times ranked

1854
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Cross-Link Density on the Internal Structure of Poly(N-isopropylacrylamide) Microgels. <i>Journal of Physical Chemistry B</i> , 2001, 105, 9071-9076.	2.6	232
2	Complexes of surfactants with oppositely charged polymers at surfaces and in bulk. <i>Advances in Colloid and Interface Science</i> , 2010, 155, 32-49.	14.7	219
3	Adsorption and Electrokinetic Properties of Polyethylenimine on Silica Surfaces. <i>Langmuir</i> , 2002, 18, 6164-6169.	3.5	170
4	Interaction of Sodium Dodecyl Sulfate with Polyethyleneimine: A Surfactant-Induced Polymer Solution Colloid Dispersion Transition. <i>Langmuir</i> , 2003, 19, 609-615.	3.5	161
5	Adsorption of Poly(ethyleneimine) on Silica Surfaces: A Effect of pH on the Reversibility of Adsorption. <i>Langmuir</i> , 2004, 20, 5026-5029.	3.5	97
6	Effect of Polymer Molecular Weight on the Polymer/Surfactant Interaction. <i>Journal of Physical Chemistry B</i> , 2005, 109, 13538-13544.	2.6	90
7	Effect of Mixing on the Formation of Complexes of Hyperbranched Cationic Polyelectrolytes and Anionic Surfactants. <i>Langmuir</i> , 2007, 23, 4237-4247.	3.5	85
8	Pulsating pH-Responsive Nanogels. <i>Journal of Physical Chemistry B</i> , 2006, 110, 20297-20301.	2.6	78
9	Effect of Salt on the Equilibrium and Nonequilibrium Features of Polyelectrolyte/Surfactant Association. <i>Langmuir</i> , 2011, 27, 9139-9147.	3.5	71
10	Novel Method for the Estimation of the Binding Isotherms of Ionic Surfactants on Oppositely Charged Polyelectrolytes. <i>Langmuir</i> , 2006, 22, 7148-7151.	3.5	58
11	Specific counterion effect on the adsorption of alkali decyl sulfate surfactants at air/solution interface. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 4338-4346.	2.8	48
12	Adsorption of poly(ethylene oxide) at the air/water interface: A dynamic and static surface tension study. <i>Journal of Colloid and Interface Science</i> , 2006, 301, 428-435.	9.4	44
13	Nonequilibrium Features of the Association between Poly(vinylamine) and Sodium Dodecyl Sulfate: The Validity of the Colloid Dispersion Concept. <i>Journal of Physical Chemistry B</i> , 2008, 112, 9693-9699.	2.6	44
14	Interaction of Monodisperse Poly(N-isopropylacrylamide) Microgel Particles with Sodium Dodecyl Sulfate in Aqueous Solution. <i>Langmuir</i> , 2001, 17, 4764-4769.	3.5	37
15	Adsorption Properties of Polyethyleneimine on Silica Surfaces in the Presence of Sodium Dodecyl Sulfate. <i>Langmuir</i> , 2003, 19, 9977-9980.	3.5	36
16	Characterisation of monodisperse poly(N-isopropylacrylamide) microgel particles. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 1973-1977.	2.8	35
17	Observation of a Liquid-Gas Phase Transition in Monolayers of Alkyltrimethylammonium Alkyl Sulfates Adsorbed at the Air/Water Interface. <i>Journal of Physical Chemistry B</i> , 2005, 109, 872-878.	2.6	35
18	Adsorption of Sodium Alkyl Sulfate Homologues at the Air/Solution Interface. <i>Journal of Physical Chemistry B</i> , 2007, 111, 7160-7168.	2.6	34

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19	The effect of salt on the association between linear cationic polyelectrolytes and sodium dodecyl sulfate. <i>Soft Matter</i> , 2009, 5, 3718.	2.7	34
20	The impact of nonionic surfactant additives on the nonequilibrium association between oppositely charged polyelectrolytes and ionic surfactants. <i>Soft Matter</i> , 2014, 10, 1953.	2.7	33
21	Adsorption of alkyl trimethylammonium bromides at the air/water interface. <i>Journal of Colloid and Interface Science</i> , 2008, 317, 395-401.	9.4	31
22	Deuterium Isotope Effects on the Interaction between Hyperbranched Polyethylene Imine and an Anionic Surfactant. <i>Journal of Physical Chemistry B</i> , 2005, 109, 16196-16202.	2.6	29
23	Bottle-brush polymers: Adsorption at surfaces and interactions with surfactants. <i>Advances in Colloid and Interface Science</i> , 2010, 155, 50-57.	14.7	29
24	Impact of Polyelectrolyte Chemistry on the Thermodynamic Stability of Oppositely Charged Macromolecule/Surfactant Mixtures. <i>Langmuir</i> , 2016, 32, 1259-1268.	3.5	29
25	The Impact of Electrolyte on the Aggregation of the Complexes of Hyperbranched Poly(ethyleneimine) and Sodium Dodecyl Sulfate. <i>Langmuir</i> , 2009, 25, 7304-7312.	3.5	28
26	Competitive adsorption of sodium dodecyl sulfate and polyethylene oxide at the air/water interface. <i>Journal of Colloid and Interface Science</i> , 2007, 313, 389-397.	9.4	26
27	Novel nanocomplexes of hyperbranched poly(ethyleneimine), sodium dodecyl sulfate and dodecyl maltoside. <i>Soft Matter</i> , 2008, 4, 586.	2.7	26
28	Anisometric Polyelectrolyte/Mixed Surfactant Nanoassemblies Formed by the Association of Poly(diallyldimethylammonium chloride) with Sodium Dodecyl Sulfate and Dodecyl Maltoside. <i>Langmuir</i> , 2015, 31, 7242-7250.	3.5	24
29	Phase Transition in the Adsorbed Layer of Catanionic Surfactants at the Air/Solution Interface. <i>Langmuir</i> , 2000, 16, 3200-3205.	3.5	22
30	Effect of Sodium Dodecyl Sulfate on Adsorbed Layers of Branched Polyethylene Imine. <i>Journal of Physical Chemistry B</i> , 2004, 108, 11645-11653.	2.6	22
31	Controlling the interaction of poly(ethylene imine) adsorption layers with oppositely charged surfactant by tuning the structure of the preadsorbed polyelectrolyte layer. <i>Soft Matter</i> , 2011, 7, 10701.	2.7	21
32	Fine-Tuning the Nonequilibrium Behavior of Oppositely Charged Macromolecule/Surfactant Mixtures via the Addition of Nonionic Amphiphiles. <i>Langmuir</i> , 2014, 30, 15114-15126.	3.5	21
33	Adsorption of sugar surfactants at the air/water interface. <i>Journal of Colloid and Interface Science</i> , 2012, 379, 78-83.	9.4	20
34	Preparation of Stable Electroneutral Nanoparticles of Sodium Dodecyl Sulfate and Branched Poly(ethylenimine) in the Presence of Pluronic F108 Copolymer. <i>Langmuir</i> , 2011, 27, 14797-14806.	3.5	19
35	Effect of Dilution on the Nonequilibrium Polyelectrolyte/Surfactant Association. <i>Langmuir</i> , 2018, 34, 14652-14660.	3.5	17
36	Competitive Adsorption of Neutral Comb Polymers and Sodium Dodecyl Sulfate at the Air/Water Interface. <i>Journal of Physical Chemistry B</i> , 2008, 112, 7410-7419.	2.6	14

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37	Complexation between Sodium Poly(styrenesulfonate) and Alkyltrimethylammonium Bromides in the Presence of Dodecyl Maltoside. <i>Journal of Physical Chemistry B</i> , 2015, 119, 5336-5346.	2.6	14
38	Novel Method for the Preparation of Anionic Surfactant-Selective Electrodes. <i>Langmuir</i> , 2005, 21, 6154-6156.	3.5	13
39	The thermodynamic stability of the mixtures of hyperbranched poly(ethyleneimine) and sodium dodecyl sulfate at low surfactant-to-polyelectrolyte ratios. <i>Journal of Colloid and Interface Science</i> , 2009, 338, 444-449.	9.4	13
40	Association between branched poly(ethyleneimine) and sodium dodecyl sulfate in the presence of neutral polymers. <i>Journal of Colloid and Interface Science</i> , 2011, 355, 410-416.	9.4	13
41	Response of block copolyelectrolyte complexes to addition of ionic surfactants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 532, 290-296.	4.7	13
42	Impact of local inhomogeneities on the complexation between poly(diallyldimethylammoniumchloride) and sodium dodecyl sulfate. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 574, 21-28.	4.7	13
43	Effect of Graft Density on the Nonionic Bottle Brush Polymer/Surfactant Interaction. <i>Langmuir</i> , 2009, 25, 11383-11389.	3.5	12
44	Novel Self-Assemblies of Oppositely Charged Polyelectrolytes and Surfactants in the Presence of Neutral Polymer. <i>Langmuir</i> , 2009, 25, 13336-13339.	3.5	12
45	Effect of Linear Nonionic Polymer Additives on the Kinetic Stability of Dispersions of Poly(diallyldimethylammonium chloride)/Sodium Dodecylsulfate Nanoparticles. <i>Langmuir</i> , 2013, 29, 10077-10086.	3.5	8
46	Effect of the Charge Regulation Behavior of Polyelectrolytes on Their Nonequilibrium Complexation with Oppositely Charged Surfactants. <i>Journal of Physical Chemistry B</i> , 2016, 120, 12720-12729.	2.6	8
47	Nonequilibrium Aspects of Adsorption from a Dilute Aqueous Solution of 1-Propanol onto Activated Carbon: A Interrelation between the Sorbent Concentration Effect and Metastability. <i>Langmuir</i> , 1999, 15, 1307-1312.	3.5	7
48	Effect of Added Surfactant on Poly(Ethyleneimine)-Assisted Gold Nanoparticle Formation. <i>Langmuir</i> , 2019, 35, 14007-14016.	3.5	7
49	Controlling the morphology of poly(ethyleneimine)/gold nanoassemblies through the variation of pH and electrolyte additives. <i>Journal of Molecular Liquids</i> , 2021, 322, 114559.	4.9	7
50	Preparation of Gold Nanocomposites with Tunable Charge and Hydrophobicity via the Application of Polymer/Surfactant Complexation. <i>ACS Omega</i> , 2017, 2, 8709-8716.	3.5	6
51	Interaction of Cetyl Trimethylammonium Bromide With Poly-(N-Isopropylacrylamide-Co-Acrylic Acid) Copolymer Nanogel Particles. , 2008, , 188-193.		0