Alfredo GonzÃ¡lez-PÃ©rez

List of Publications by Year
in descending order

80 papers	1,669 citations	257101 24 h-index	329751 37 g-index
83 all docs	83 docs citations	83 times ranked	1608 citing authors

#	Article	IF	Citations
1	Conductivity, Density, and Adiabatic Compressibility of Dodecyldimethylbenzylammonium Chloride in Aqueous Solutions. Journal of Physical Chemistry B, 2001, 105, 1720-1724.	1.2	93
2	Biomimetic Triblock Copolymer Membrane Arrays: A Stable Template for Functional Membrane Proteins. Langmuir, 2009, 25, 10447-10450.	1.6	87
3	A comparative study of the physicochemical properties of perfluorinated and hydrogenated amphiphiles. Journal of Colloid and Interface Science, 2005, 288, 247-260.	5.0	71
4	Micellization of decyl- and dodecyldimethylbenzylammonium bromides at various temperatures in aqueous solutions. Colloid and Polymer Science, 2002, 280, 503-508.	1.0	69
5	Thermodynamics of Micellization of Alkyldimethylbenzylammonium Chlorides in Aqueous Solutions. Journal of Colloid and Interface Science, 2002, 250, 438-443.	5.0	68
6	Isolated Fluid Polyhedral Vesicles. Journal of the American Chemical Society, 2007, 129, 756-757.	6.6	60
7	Second critical micelle concentration of dodecyldimethylbenzylammonium chloride in aqueous solution at 25ï¿½ï¿½C. Colloid and Polymer Science, 2003, 281, 1191-1195.	1.0	53
8	Solitary electromechanical pulses in lobster neurons. Biophysical Chemistry, 2016, 216, 51-59.	1.5	52
9	Micellization of decyldimethylbenzylammonium chloride at various temperatures studied by densitometry and conductivity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2000, 166, 161-169.	2.3	50
10	Static and dynamic light-scattering studies on micellar solutions of alkyldimethylbenzylammonium chlorides. Journal of Colloid and Interface Science, 2004, 276, 408-413.	5.0	47
11	Study of the interactions between lysozyme and a fully-fluorinated surfactant in aqueous solution at different surfactantâ€“protein ratios. International Journal of Biological Macromolecules, 2003, 33, 67-73.	3.6	45
12	A study of the interaction between proteins and fully-fluorinated and fully-hydrogenated surfactants by Î¶-potential measurements. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 249, 51-55.	2.3	44
13	Theory of Surface Micelles of Semifluorinated Alkanes. Langmuir, 2006, 22, 8703-8717.	1.6	44
14	Micellization of dodecyldimethylethyl- ammonium bromide in aqueous solution. Journal of Thermal Analysis and Calorimetry, 2003, 72, 465-470.	2.0	42
15	Micellar properties of long-chain alkyldimethylbenzylammonium chlorides in aqueous solutions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2001, 193, 129-137.	2.3	37
16	Sphere to rod transitions in homologous alkylpyridinium salts: A Stauff-Klevens-type equation for the second critical micelle concentration. Journal of Colloid and Interface Science, 2006, 293, 213-221.	5.0	37
17	Cyclodextrinâˆ’Surfactant Complex: A New Route in DNA Decompaction. Biomacromolecules, 2008, 9, 772-775.	2.6	37
18	A volumetric study of two related amphiphilic beta-blockers as a function of temperature and electrolyte concentration. Colloids and Surfaces B: Biointerfaces, 2004, 33, 165-175.	2.5	36

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19	Effects of Fluorinated and Hydrogenated Surfactants on Human Serum Albumin at Different pHs. Biomacromolecules, 2006, 7, 176-182.	2.6	33
20	Penetration of Action Potentials During Collision in the Median and Lateral Giant Axons of Invertebrates. Physical Review X, 2014, 4, .	2.8	28
21	Thermodynamics of self-assembly of sodium octanoate: comparison with a fully fluorinated counterpart. Molecular Physics, 2003, 101, 3185-3195.	0.8	27
22	Physicochemical study of ovalbumin in the presence of sodium dodecyl sulphate in aqueous media. Colloid and Polymer Science, 2004, 282, 351-356.	1.0	27
23	Thermodynamics of micellization of decyldimethylbenzylammonium bromide in aqueous solution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 232, 183-189.	2.3	25
24	Temperature-Sensitive Critical Micelle Transition of Sodium Octanoate. Langmuir, 2004, 20, 2512-2514.	1.6	25
25	Title is missing!. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 2002, 70, 229-234.	1.4	23
26	Effect of counterion on thermodynamic micellar properties of tetradecylpyridinium in aqueous solutions. Colloid and Polymer Science, 2005, 283, 456-460.	1.0	21
27	Characterization of phospholipid+semifluorinated alkane vesicle system. Colloids and Surfaces B: Biointerfaces, 2006, 47, 64-70.	2.5	20
28	Cyclodextrins in DNA decompaction. Colloids and Surfaces B: Biointerfaces, 2010, 76, 20-27.	2.5	20
29	Release of DNA from surfactant complexes induced by 2-hydroxypropyl-Î²-cyclodextrin. International Journal of Biological Macromolecules, 2010, 46, 153-158.	3.6	20
30	A spectroscopic study of the interaction catalaseâ€“cationic surfactant (n-decyltrimethylammonium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 2004, 6, 816-821.	1.3	19
31	Self-assembly of sodium heptafluorobutyrate in aqueous solution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 249, 41-44.	2.3	18
32	Application of thermodynamic models to study micellar properties of sodium perfluoroalkyl carboxylates in aqueous solutions. Chemical Physics, 2005, 313, 245-259.	0.9	18
33	Biomimetic triblock copolymer membranes: from aqueous solutions to solid supports. Soft Matter, 2011, 7, 1129-1138.	1.2	18
34	The selfâ€aggregation of sodium perfluorooctanoate in aqueous solution at different temperatures. Journal of Surfactants and Detergents, 2004, 7, 387-395.	1.0	17
35	Characterization of Fluorinated Catansomes: A Promising Vector in Drug-Delivery. Langmuir, 2012, 28, 2773-2781.	1.6	17
36	Bioinspired Materials for Water Purification. Materials, 2016, 9, 447.	1.3	17

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37	Micellar properties of tetradecyltrimethylammonium nitrate in aqueous solutions at various temperatures and in water-benzyl alcohol mixtures at 25ÂÂ°C. Colloid and Polymer Science, 2004, 282, 1359-1364.	1.0	16
38	Functional Channel Membranes for Drinking Water Production. Water (Switzerland), 2018, 10, 859.	1.2	16
39	Apparent molar quantities of sodium octanoate in aqueous solutions. Colloid and Polymer Science, 2004, 282, 1133-1139.	1.0	15
40	Temperature dependence of second critical micelle concentration of dodecyldimethylbenzylammonium bromide in aqueous solution. Colloid and Polymer Science, 2004, 282, 1169-1173.	1.0	15
41	The critical micelle concentration of tetraethylammonium perfluorooctylsulfonate in water. Journal of Colloid and Interface Science, 2006, 294, 458-465.	5.0	15
42	Temperature Dependence of Equilibrium and Transport Properties of Decyldimethylbenzylammonium Chloride in Aqueous Solutions. Journal of Chemical & Engineering Data, 2001, 46, 709-711.	1.0	14
43	Micellar behavior of tetradecyldimethylbenzylammonium chloride in waterâ€“alcohol mixtures. Journal of Colloid and Interface Science, 2003, 262, 525-530.	5.0	14
44	Novel Polymerizable Surfactants from 1:1 Mixtures of Alkylcarboxylic Acids and Norbornene Methylenamine. Langmuir, 2007, 23, 7526-7530.	1.6	14
45	Thermodynamics of micellization of tetraethylammonium perfluorooctylsulfonate in water. Journal of Colloid and Interface Science, 2006, 297, 10-21.	5.0	13
46	DNAâ€“METAFECTENEâ„¢ PRO complexation: a physical chemistry study. Physical Chemistry Chemical Physics, 2010, 12, 7464.	1.3	12
47	Reversible DNA Compaction. Current Topics in Medicinal Chemistry, 2014, 14, 766-773.	1.0	12
48	Study of the interaction between lysozyme and sodium octanoate in aqueous solutions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 249, 45-50.	2.3	11
49	Experimental evidence for a surface concentration-dependent mechanism of formation of hemimicelles in Langmuir monolayers of semi-fluorinated alkanes. Soft Matter, 2007, 3, 191-193.	1.2	11
50	Temperature dependence of micellar sphere-to-rod transition using adiabatic compressibility. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 356, 84-88.	2.3	11
51	Thermodynamic Study of Self-Assembly Behavior of Propranolol Hydrochloride in Aqueous Solutions as a Function of Electrolyte Concentration and Temperature. Journal of Chemical & Engineering Data, 2003, 48, 1597-1602.	1.0	10
52	Colloidal properties of benzylpenicillin. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 236, 121-131.	2.3	10
53	Self-assembling drugs: A new therapeutic strategy. Soft Matter, 2011, 7, 5194.	1.2	10
54	Density and Sound Velocity Studies of Aqueous Solutions of Tetradecyltrimethylammonium Nitrate at Different Temperatures. Journal of Solution Chemistry, 2003, 32, 919-927.	0.6	9

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55	Micellar properties of octyldimethylbenzylammonium bromide in water. Colloid and Polymer Science, 2003, 281, 556-561.	1.0	8
56	Solubilization of butanol in dodecyldimethylethylammonium bromide micellar solutions. Fluid Phase Equilibria, 2004, 224, 7-11.	1.4	8
57	Apparent and partial molar volumes of long-chain alkyldimethylbenzylammonium chlorides and bromides in aqueous solutions at T=15 Â°C and T=25 Â°C. Journal of Chemical Thermodynamics, 2003, 35, 1983-1992.	1.0	7
58	Cryo-Fracture TEM:â€‰ Direct Imaging of a Random Mesh Phase. Langmuir, 2008, 24, 22-25.	1.6	7
59	Transforming growth factor-beta in systemic sclerosis (scleroderma). Frontiers in Bioscience - Elite, 2009, 1, 226.	0.9	6
60	Title is missing!. Journal of Solution Chemistry, 2001, 30, 1101-1109.	0.6	5
61	Structural stability of SoPIP2;1 aquaporin under reconstitution in polymersomes. Journal of Molecular Liquids, 2018, 257, 26-31.	2.3	5
62	Solubilization of butanol/pentanol/hexanol in dodecylpyridinium chloride. Journal of Thermal Analysis and Calorimetry, 2007, 87, 159-163.	2.0	4
63	Structural Micellar Transition for Fluorinated and Hydrogenated Sodium Carboxylates Induced by Solubilization of Benzyl Alcohol. Langmuir, 2004, 20, 8476-8481.	1.6	3
64	Cryo-fracture TEM: direct imaging of viscous samples. Soft Matter, 2008, 4, 1625.	1.2	3
65	A Versatile Approach towards the Compaction, Decompaction, and Immobilization of DNA at Interfaces by Using Cyclodextrins. ChemPhysChem, 2013, 14, 2544-2553.	1.0	3
66	Polymersomes mimic biofilms fractal growth. Journal of Polymer Research, 2016, 23, 1.	1.2	3
67	Beta-Cyclodextrin in DNA decompaction An imaging approach. Frontiers in Bioscience - Elite, 2010, E2, 684-693.	0.9	3
68	Changes in self-assemblies induced by temperature concentration and light. Frontiers in Bioscience - Scholar, 2013, S5, 611-630.	0.8	3
69	Volumetric properties of sodium perfluoroalkylcarboxylates in aqueous solutions at different temperatures. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 290, 50-55.	2.3	2
70	Semiconductor Eco-Materials for Water Treatment. , 2018, , 1-27.		2
71	Self-assembly based on hydrotropic counterionâ€"single-chain amphiphile ion pairs. Colloid and Polymer Science, 2010, 288, 1351-1357.	1.0	1
72	Action Potential Collision in Nerves. Biophysical Journal, 2014, 106, 794a.	0.2	1

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73	Reply to â€œComment on â€˜Penetration of Action Potentials During Collision in the Median and Lateral Giant Axons of Invertebratesâ€â€™. Physical Review X, 2017, 7, .	2.8	1
74	Thermodynamics of self-assembly of sodium octanoate: comparison with a fully fluorinated counterpart. Molecular Physics, 2003, 101, 3185-3195.	0.8	1
75	Thermodynamics of self-assembly of sodium octanoate: comparison with a fully fluorinated counterpart. Molecular Physics, 2004, 102, 1979-1980.	0.8	0
76	Temperature Induced DNA Compaction in aÂNonionic Lamellar Phase. , 2008, , 174-180.		0
77	Mechanical Signals in Nerves during Action Potential Propagation. Biophysical Journal, 2013, 104, 78a.	0.2	0
78	Bidirectional Propagation of Action Potential in Giant Axons of Nerve Bundles from Homarus Americanus. Biophysical Journal, 2015, 108, 152a.	0.2	0
79	Penetration of Action Potentials during Collision in the Medial Giant Axon of Invertebrates. Biophysical Journal, 2015, 108, 207a.	0.2	0
80	Semiconductor Eco-materials for Water Treatment. , 2019, , 413-439.		0