

Alfredo González-Páez

List of Publications by Year in descending order

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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	Semiconductor Eco-materials for Water Treatment. , 2019, , 413-439.		0
2	Structural stability of SoPIP2;1 aquaporin under reconstitution in polymersomes. Journal of Molecular Liquids, 2018, 257, 26-31.	2.3	5
3	Semiconductor Eco-Materials for Water Treatment. , 2018, , 1-27.		2
4	Functional Channel Membranes for Drinking Water Production. Water (Switzerland), 2018, 10, 859.	1.2	16
5	Reply to "Comment on "Penetration of Action Potentials During Collision in the Median and Lateral Giant Axons of Invertebrates". Physical Review X, 2017, 7, .	2.8	1
6	Bioinspired Materials for Water Purification. Materials, 2016, 9, 447.	1.3	17
7	Solitary electromechanical pulses in lobster neurons. Biophysical Chemistry, 2016, 216, 51-59.	1.5	52
8	Polymersomes mimic biofilms fractal growth. Journal of Polymer Research, 2016, 23, 1.	1.2	3
9	Bidirectional Propagation of Action Potential in Giant Axons of Nerve Bundles from Homarus Americanus. Biophysical Journal, 2015, 108, 152a.	0.2	0
10	Penetration of Action Potentials during Collision in the Medial Giant Axon of Invertebrates. Biophysical Journal, 2015, 108, 207a.	0.2	0
11	Penetration of Action Potentials During Collision in the Median and Lateral Giant Axons of Invertebrates. Physical Review X, 2014, 4, .	2.8	28
12	Action Potential Collision in Nerves. Biophysical Journal, 2014, 106, 794a.	0.2	1
13	Reversible DNA Compaction. Current Topics in Medicinal Chemistry, 2014, 14, 766-773.	1.0	12
14	Mechanical Signals in Nerves during Action Potential Propagation. Biophysical Journal, 2013, 104, 78a.	0.2	0
15	A Versatile Approach towards the Compaction, Deconvolution, and Immobilization of DNA at Interfaces by Using Cyclodextrins. ChemPhysChem, 2013, 14, 2544-2553.	1.0	3
16	Changes in self-assemblies induced by temperature concentration and light. Frontiers in Bioscience - Scholar, 2013, S5, 611-630.	0.8	3
17	Characterization of Fluorinated Catansomes: A Promising Vector in Drug-Delivery. Langmuir, 2012, 28, 2773-2781.	1.6	17
18	Biomimetic triblock copolymer membranes: from aqueous solutions to solid supports. Soft Matter, 2011, 7, 1129-1138.	1.2	18

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19	Self-assembling drugs: A new therapeutic strategy. <i>Soft Matter</i> , 2011, 7, 5194.	1.2	10
20	Self-assembly based on hydrotropic counterion ⁺ single-chain amphiphile ion pairs. <i>Colloid and Polymer Science</i> , 2010, 288, 1351-1357.	1.0	1
21	Temperature dependence of micellar sphere-to-rod transition using adiabatic compressibility. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 356, 84-88.	2.3	11
22	Cyclodextrins in DNA decompaction. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 76, 20-27.	2.5	20
23	Release of DNA from surfactant complexes induced by 2-hydroxypropyl- β -cyclodextrin. <i>International Journal of Biological Macromolecules</i> , 2010, 46, 153-158.	3.6	20
24	DNA ⁺ METAFECTENE ⁺ PRO complexation: a physical chemistry study. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 7464.	1.3	12
25	Beta-Cyclodextrin in DNA decompaction An imaging approach. <i>Frontiers in Bioscience - Elite</i> , 2010, E2, 684-693.	0.9	3
26	Transforming growth factor-beta in systemic sclerosis (scleroderma). <i>Frontiers in Bioscience - Elite</i> , 2009, 1, 226.	0.9	6
27	Biomimetic Triblock Copolymer Membrane Arrays: A Stable Template for Functional Membrane Proteins. <i>Langmuir</i> , 2009, 25, 10447-10450.	1.6	87
28	Cryo-fracture TEM: direct imaging of viscous samples. <i>Soft Matter</i> , 2008, 4, 1625.	1.2	3
29	Cryo-Fracture TEM: Direct Imaging of a Random Mesh Phase. <i>Langmuir</i> , 2008, 24, 22-25.	1.6	7
30	Cyclodextrin ⁺ Surfactant Complex: A New Route in DNA Decompaction. <i>Biomacromolecules</i> , 2008, 9, 772-775.	2.6	37
31	Temperature Induced DNA Compaction in a Nonionic Lamellar Phase. , 2008, , 174-180.		0
32	Novel Polymerizable Surfactants from 1:1 Mixtures of Alkylcarboxylic Acids and Norbornene Methylenamine. <i>Langmuir</i> , 2007, 23, 7526-7530.	1.6	14
33	Experimental evidence for a surface concentration-dependent mechanism of formation of hemimicelles in Langmuir monolayers of semi-fluorinated alkanes. <i>Soft Matter</i> , 2007, 3, 191-193.	1.2	11
34	Isolated Fluid Polyhedral Vesicles. <i>Journal of the American Chemical Society</i> , 2007, 129, 756-757.	6.6	60
35	Solubilization of butanol/pentanol/hexanol in dodecylpyridinium chloride. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007, 87, 159-163.	2.0	4
36	Theory of Surface Micelles of Semifluorinated Alkanes. <i>Langmuir</i> , 2006, 22, 8703-8717.	1.6	44

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37	Effects of Fluorinated and Hydrogenated Surfactants on Human Serum Albumin at Different pHs. <i>Biomacromolecules</i> , 2006, 7, 176-182.	2.6	33
38	Volumetric properties of sodium perfluoroalkylcarboxylates in aqueous solutions at different temperatures. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 290, 50-55.	2.3	2
39	Characterization of phospholipid+semifluorinated alkane vesicle system. <i>Colloids and Surfaces B: Biointerfaces</i> , 2006, 47, 64-70.	2.5	20
40	Sphere to rod transitions in homologous alkylpyridinium salts: A Stauff-Klevens-type equation for the second critical micelle concentration. <i>Journal of Colloid and Interface Science</i> , 2006, 293, 213-221.	5.0	37
41	The critical micelle concentration of tetraethylammonium perfluorooctylsulfonate in water. <i>Journal of Colloid and Interface Science</i> , 2006, 294, 458-465.	5.0	15
42	Thermodynamics of micellization of tetraethylammonium perfluorooctylsulfonate in water. <i>Journal of Colloid and Interface Science</i> , 2006, 297, 10-21.	5.0	13
43	A comparative study of the physicochemical properties of perfluorinated and hydrogenated amphiphiles. <i>Journal of Colloid and Interface Science</i> , 2005, 288, 247-260.	5.0	71
44	Application of thermodynamic models to study micellar properties of sodium perfluoroalkyl carboxylates in aqueous solutions. <i>Chemical Physics</i> , 2005, 313, 245-259.	0.9	18
45	Effect of counterion on thermodynamic micellar properties of tetradecylpyridinium in aqueous solutions. <i>Colloid and Polymer Science</i> , 2005, 283, 456-460.	1.0	21
46	Thermodynamics of self-assembly of sodium octanoate: comparison with a fully fluorinated counterpart. <i>Molecular Physics</i> , 2004, 102, 1979-1980.	0.8	0
47	Physicochemical study of ovalbumin in the presence of sodium dodecyl sulphate in aqueous media. <i>Colloid and Polymer Science</i> , 2004, 282, 351-356.	1.0	27
48	Apparent molar quantities of sodium octanoate in aqueous solutions. <i>Colloid and Polymer Science</i> , 2004, 282, 1133-1139.	1.0	15
49	Temperature dependence of second critical micelle concentration of dodecyltrimethylammonium bromide in aqueous solution. <i>Colloid and Polymer Science</i> , 2004, 282, 1169-1173.	1.0	15
50	Micellar properties of tetradecyltrimethylammonium nitrate in aqueous solutions at various temperatures and in water-benzyl alcohol mixtures at 25°C. <i>Colloid and Polymer Science</i> , 2004, 282, 1359-1364.	1.0	16
51	The self-assembly of sodium perfluorooctanoate in aqueous solution at different temperatures. <i>Journal of Surfactants and Detergents</i> , 2004, 7, 387-395.	1.0	17
52	Static and dynamic light-scattering studies on micellar solutions of alkyltrimethylammonium chlorides. <i>Journal of Colloid and Interface Science</i> , 2004, 276, 408-413.	5.0	47
53	Solubilization of butanol in dodecyltrimethylammonium bromide micellar solutions. <i>Fluid Phase Equilibria</i> , 2004, 224, 7-11.	1.4	8
54	Thermodynamics of micellization of decyltrimethylammonium bromide in aqueous solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 232, 183-189.	2.3	25

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55	Colloidal properties of benzylpenicillin. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 236, 121-131.	2.3	10
56	Self-assembly of sodium heptafluorobutyrate in aqueous solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 249, 41-44.	2.3	18
57	Study of the interaction between lysozyme and sodium octanoate in aqueous solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 249, 45-50.	2.3	11
58	A study of the interaction between proteins and fully-fluorinated and fully-hydrogenated surfactants by ζ -potential measurements. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 249, 51-55.	2.3	44
59	A volumetric study of two related amphiphilic beta-blockers as a function of temperature and electrolyte concentration. <i>Colloids and Surfaces B: Biointerfaces</i> , 2004, 33, 165-175.	2.5	36
60	Structural Micellar Transition for Fluorinated and Hydrogenated Sodium Carboxylates Induced by Solubilization of Benzyl Alcohol. <i>Langmuir</i> , 2004, 20, 8476-8481.	1.6	3
61	Temperature-Sensitive Critical Micelle Transition of Sodium Octanoate. <i>Langmuir</i> , 2004, 20, 2512-2514.	1.6	25
62	A spectroscopic study of the interaction catalase-cationic surfactant (n-decyltrimethylammonium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 2004, 6, 816-821.	1.3	19
63	Micellization of dodecylidimethylethyl- ammonium bromide in aqueous solution. <i>Journal of Thermal Analysis and Calorimetry</i> , 2003, 72, 465-470.	2.0	42
64	Density and Sound Velocity Studies of Aqueous Solutions of Tetradecyltrimethylammonium Nitrate at Different Temperatures. <i>Journal of Solution Chemistry</i> , 2003, 32, 919-927.	0.6	9
65	Micellar properties of octyldimethylbenzylammonium bromide in water. <i>Colloid and Polymer Science</i> , 2003, 281, 556-561.	1.0	8
66	Second critical micelle concentration of dodecylidimethylbenzylammonium chloride in aqueous solution at 25°C. <i>Colloid and Polymer Science</i> , 2003, 281, 1191-1195.	1.0	53
67	Apparent and partial molar volumes of long-chain alkylidimethylbenzylammonium chlorides and bromides in aqueous solutions at T=15 Å°C and T=25 Å°C. <i>Journal of Chemical Thermodynamics</i> , 2003, 35, 1983-1992.	1.0	7
68	Micellar behavior of tetradecyldimethylbenzylammonium chloride in water-alcohol mixtures. <i>Journal of Colloid and Interface Science</i> , 2003, 262, 525-530.	5.0	14
69	Thermodynamic Study of Self-Assembly Behavior of Propranolol Hydrochloride in Aqueous Solutions as a Function of Electrolyte Concentration and Temperature. <i>Journal of Chemical & Engineering Data</i> , 2003, 48, 1597-1602.	1.0	10
70	Thermodynamics of self-assembly of sodium octanoate: comparison with a fully fluorinated counterpart. <i>Molecular Physics</i> , 2003, 101, 3185-3195.	0.8	27
71	Study of the interactions between lysozyme and a fully-fluorinated surfactant in aqueous solution at different surfactant-protein ratios. <i>International Journal of Biological Macromolecules</i> , 2003, 33, 67-73.	3.6	45
72	Thermodynamics of self-assembly of sodium octanoate: comparison with a fully fluorinated counterpart. <i>Molecular Physics</i> , 2003, 101, 3185-3195.	0.8	1

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73	Thermodynamics of Micellization of Alkyldimethylbenzylammonium Chlorides in Aqueous Solutions. <i>Journal of Colloid and Interface Science</i> , 2002, 250, 438-443.	5.0	68
74	Micellization of decyl- and dodecyldimethylbenzylammonium bromides at various temperatures in aqueous solutions. <i>Colloid and Polymer Science</i> , 2002, 280, 503-508.	1.0	69
75	Title is missing!. <i>Magyar Árvad Kzlemnyek</i> , 2002, 70, 229-234.	1.4	23
76	Conductivity, Density, and Adiabatic Compressibility of Dodecyldimethylbenzylammonium Chloride in Aqueous Solutions. <i>Journal of Physical Chemistry B</i> , 2001, 105, 1720-1724.	1.2	93
77	Temperature Dependence of Equilibrium and Transport Properties of Decyldimethylbenzylammonium Chloride in Aqueous Solutions. <i>Journal of Chemical & Engineering Data</i> , 2001, 46, 709-711.	1.0	14
78	Micellar properties of long-chain alkyldimethylbenzylammonium chlorides in aqueous solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2001, 193, 129-137.	2.3	37
79	Title is missing!. <i>Journal of Solution Chemistry</i> , 2001, 30, 1101-1109.	0.6	5
80	Micellization of decyldimethylbenzylammonium chloride at various temperatures studied by densitometry and conductivity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2000, 166, 161-169.	2.3	50