

# Felix Sarmiento

## List of Publications by Year in descending order

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106  
papers

2,615  
citations

172207

29  
h-index

243296

44  
g-index

109  
all docs

109  
docs citations

109  
times ranked

2040  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Comparative Study of the Determination of the Critical Micelle Concentration by Conductivity and Dielectric Constant Measurements. <i>Langmuir</i> , 1998, 14, 4422-4426.	1.6	217
2	A Study of the Aggregation Behavior of Hexyltrimethylammonium Bromide in Aqueous Solution. <i>Journal of Colloid and Interface Science</i> , 1998, 206, 66-76.	5.0	117
3	The aggregation of sodium perfluorooctanoate in water. <i>Colloid and Polymer Science</i> , 2005, 283, 862-871.	1.0	97
4	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
5	Self-Association of Amphiphilic Penicillins in Aqueous Electrolyte Solution: A Light-Scattering and NMR Study. <i>Langmuir</i> , 1999, 15, 2022-2028.	1.6	69
6	A comparative study of F-DPPC/DPPC mixed monolayers. Influence of subphase temperature on F-DPPC and DPPC monolayers. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 13323.	1.3	50
7	Light Scattering and NMR Studies of the Self-Association of the Amphiphilic Molecule Propranolol Hydrochloride in Aqueous Electrolyte Solutions. <i>Journal of Physical Chemistry B</i> , 1999, 103, 7092-7096.	1.2	49
8	Interactions between DMPC Liposomes and the Serum Blood Proteins HSA and IgG. <i>Journal of Physical Chemistry B</i> , 2009, 113, 1655-1661.	1.2	49
9	A Comparison of the Micellar Properties of Structurally Related Antidepressant Drugs. <i>Journal of Colloid and Interface Science</i> , 1995, 175, 201-206.	5.0	48
10	Self-Association of the Penicillin Sodium Nafcillin in Aqueous Solution. <i>Langmuir</i> , 2000, 16, 3175-3181.	1.6	47
11	Thermodynamic Study of the Aggregation Behavior of Sodiumn-Hexyl Sulfate in Aqueous Solution. <i>Langmuir</i> , 1999, 15, 5265-5270.	1.6	46
12	Study of the interactions between lysozyme and a fully-fluorinated surfactant in aqueous solution at different surfactantâ€“protein ratios. <i>International Journal of Biological Macromolecules</i> , 2003, 33, 67-73.	3.6	45
13	A study of the interaction between proteins and fully-fluorinated and fully-hydrogenated surfactants by $\zeta$ -potential measurements. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 249, 51-55.	2.3	44
14	Thermodynamics of Association of Structurally Related Amphiphilic Penicillins. <i>Journal of Colloid and Interface Science</i> , 2000, 221, 242-245.	5.0	43
15	Electrical Conductivities and Critical Micelle Concentrations (Determined by the Local Polynomial) Tj ETQq1 1 0.784314 rgBT /Overload Chemical & Engineering Data, 2004, 49, 1008-1012.	1.0	43
16	$\zeta$ -Potential Study on the Interactions between Lysozyme and Sodiumn-Alkylsulfates. <i>Langmuir</i> , 1998, 14, 5725-5729.	1.6	41
17	Self-Association of Penicillin V in Aqueous Solution. <i>Langmuir</i> , 1999, 15, 6285-6290.	1.6	41
18	Thermodynamics of Micellization of Surfactants of Low Aggregation Number: The Aggregation of Propranolol Hydrochloride. <i>Journal of Colloid and Interface Science</i> , 1999, 210, 97-102.	5.0	39

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19	Interaction between Penicillins and Human Serum Albumin: A Thermodynamic Study of Micellar-like Clusters on a Protein. <i>Langmuir</i> , 2000, 16, 934-938.	1.6	38
20	Interaction between Penicillins and Human Serum Albumin: A $\zeta$ -Potential Study. <i>Langmuir</i> , 2000, 16, 6795-6800.	1.6	37
21	Surface Tensions, Critical Micelle Concentrations, and Standard Free Energies of Micellization of C8 $\alpha$ -Lecithin at Different pHs and Electrolyte Concentrations. <i>Journal of Chemical &amp; Engineering Data</i> , 2002, 47, 1017-1021.	1.0	36
22	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
23	Conformational Changes in Human Serum Albumin Induced by Sodium Perfluorooctanoate in Aqueous Solutions. <i>Journal of Physical Chemistry B</i> , 2005, 109, 15566-15573.	1.2	36
24	Effect of Electrolyte on the Surface and Thermodynamic Properties of Amphiphilic Penicillins. <i>Journal of Colloid and Interface Science</i> , 1999, 220, 288-292.	5.0	35
25	On the Effect of Ca <sup>2+</sup> and La <sup>3+</sup> on the Colloidal Stability of Liposomes. <i>Langmuir</i> , 2005, 21, 10968-10975.	1.6	35
26	Effects of Fluorinated and Hydrogenated Surfactants on Human Serum Albumin at Different pHs. <i>Biomacromolecules</i> , 2006, 7, 176-182.	2.6	33
27	Monolayer and Brewster angle microscopy study of human serum albumin-Dipalmitoyl phosphatidyl choline mixtures at the air-water interface. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 92, 64-73.	2.5	33
28	Influence of Molecular Structure on the Ideality of Mixing in Micelles Formed in Binary Mixtures of Surface-Active Drugs. <i>Journal of Colloid and Interface Science</i> , 1999, 216, 270-275.	5.0	31
29	On relationships between surfactant type and globular proteins interactions in solution. <i>Journal of Colloid and Interface Science</i> , 2007, 316, 37-42.	5.0	31
30	Thermodynamics of Micellization of n-Alkyl Sulfates in an Alkaline Medium at Different Temperatures. <i>Journal of Colloid and Interface Science</i> , 1999, 214, 292-296.	5.0	30
31	Regarding the Effect that Different Hydrocarbon/Fluorocarbon Surfactant Mixtures Have on Their Complexation with HSA. <i>Journal of Physical Chemistry B</i> , 2006, 110, 11369-11376.	1.2	30
32	Characterization of the Interactions between Lysozyme and n-Alkyltrimethylammonium Bromides by Zeta Potential Measurements. <i>The Journal of Physical Chemistry</i> , 1996, 100, 16749-16753.	2.9	29
33	A Comparative Study of the Interaction between Nafcillin and Catalase by Equilibrium Dialysis and $\zeta$ -Potential Measurements. <i>Journal of Physical Chemistry B</i> , 2001, 105, 2644-2648.	1.2	29
34	Ultraviolet-circular dichroism spectroscopy and potentiometric study of the interaction between human serum albumin and sodium perfluorooctanoate. <i>Biopolymers</i> , 2005, 79, 300-309.	1.2	28
35	Concentration Dependence of the Osmotic and Activity Coefficients of Imipramine and Clomipramine Hydrochlorides in Aqueous Solution. <i>Journal of Chemical &amp; Engineering Data</i> , 1999, 44, 820-822.	1.0	27
36	Thermodynamics of self-assembly of sodium octanoate: comparison with a fully fluorinated counterpart. <i>Molecular Physics</i> , 2003, 101, 3185-3195.	0.8	27

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37	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
38	Surface characterization of human serum albumin and sodium perfluorooctanoate mixed solutions by pendant drop tensiometry and circular dichroism. <i>Biopolymers</i> , 2006, 82, 261-271.	1.2	27
39	Denaturation of lysozyme by n-alkyltrimethylammonium bromides in alkaline solution. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995, 91, 2805.	1.7	25
40	Temperature-Sensitive Critical Micelle Transition of Sodium Octanoate. <i>Langmuir</i> , 2004, 20, 2512-2514.	1.6	25
41	The Interaction of Human Serum Albumin with Dioctanoylphosphatidylcholine in Aqueous Solutions. <i>Langmuir</i> , 2002, 18, 3300-3305.	1.6	24
42	Double Charge Inversion in Polyethylenimine-Decorated Liposomes. <i>Langmuir</i> , 2012, 28, 10534-10542.	1.6	24
43	Self-Association of Phenothiazine Drugs: Influence of the Counterion on the Mode of Association. <i>Journal of Colloid and Interface Science</i> , 1996, 184, 658-662.	5.0	23
44	The aqueous cationic system sodium perfluorooctanoate-dodecyltrimethylammonium bromide at low concentration. <i>Journal of Colloid and Interface Science</i> , 2007, 312, 425-431.	5.0	22
45	Spectroscopic and microcalorimetric study of the interaction of n-alkyl sulfates with insulin in aqueous solution. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1993, 89, 1963.	1.7	21
46	Interaction of Amphiphilic Propranolol Hydrochloride with Haemoglobin and Albumin in Aqueous Solution. <i>Langmuir</i> , 2000, 16, 10449-10455.	1.6	21
47	Light Scattering and NMR Studies on the Self-Aggregation of Sodiumn-Hexyl Sulfate in Aqueous Electrolyte Solution. <i>Langmuir</i> , 2000, 16, 1620-1625.	1.6	20
48	Characterization of phospholipid+semifluorinated alkane vesicle system. <i>Colloids and Surfaces B: Biointerfaces</i> , 2006, 47, 64-70.	2.5	20
49	Thermodynamic studies on the interaction of n-alkyl sulfates with insulin in aqueous solution. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1992, 88, 1003.	1.7	19
50	Conductivity and Relative Permittivity of Sodium n-Dodecyl Sulfate and n-Dodecyl Trimethylammonium Bromide. <i>Journal of Chemical &amp; Engineering Data</i> , 1999, 44, 944-947.	1.0	19
51	Micellar Behavior of n-Alkyl Sulfates in Binary Mixed Systems. <i>Journal of Colloid and Interface Science</i> , 2000, 223, 185-189.	5.0	19
52	The interaction between n -alkyl trimethylammonium bromides with poly( L -aspartate): a thermodynamics study. <i>Colloid and Polymer Science</i> , 2000, 278, 800-804.	1.0	19
53	A spectroscopic study of the interaction catalase-cationic surfactant (n-decyltrimethylammonium) Tj ETQq1 1 0.784314 rgBT /Overlo 2004, 6, 816-821.	1.3	19
54	Counterion effect on the solution and thermodynamic properties of lithium perfluoroalkanoates. <i>Molecular Physics</i> , 2005, 103, 3271-3281.	0.8	19

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55	Aggregation of liposomes in presence of $La^{3+}$ . A study of the fractal dimension. <i>Physical Review E</i> , 2007, 76, 011408.	0.8	19
56	Micellization in Binary Mixtures of Amphiphilic Drugs. <i>Journal of Colloid and Interface Science</i> , 1996, 179, 478-481.	5.0	18
57	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
58	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
59	Phase behavior of semifluorinated cationic mixtures: Head group dependence and spontaneous formation of vesicles. <i>Journal of Colloid and Interface Science</i> , 2009, 331, 522-531.	5.0	18
60	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
61	Effect of Gd <sup>3+</sup> on the colloidal stability of liposomes. <i>Physical Review E</i> , 2006, 74, 031913.	0.8	16
62	Different Thermal Unfolding Pathways of Catalase in the Presence of Cationic Surfactants. <i>Journal of Physical Chemistry B</i> , 2007, 111, 2113-2118.	1.2	16
63	Apparent molar quantities of sodium octanoate in aqueous solutions. <i>Colloid and Polymer Science</i> , 2004, 282, 1133-1139.	1.0	15
64	The nature of the coacervate formed in the aqueous dodecyltrimethylammonium bromide-sodium 10-undecenoate mixtures. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 277, 75-82.	2.3	15
65	The critical micelle concentration of tetraethylammonium perfluorooctylsulfonate in water. <i>Journal of Colloid and Interface Science</i> , 2006, 294, 458-465.	5.0	15
66	Activity and Osmotic Coefficients of Promethazine and Chlorpromazine Hydrochlorides in Aqueous Solutions of Low Ionic Strength. <i>Journal of Chemical &amp; Engineering Data</i> , 1999, 44, 941-943.	1.0	14
67	Surface behaviour of C5, C6, C7 and C8 lecithins at the aqueous solution/air interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 216, 91-96.	2.3	14
68	Surface films of short fluorocarbon-hydrocarbon diblocks studied by molecular dynamics simulations: Spontaneous formation of elongated hemimicelles. <i>Journal of Colloid and Interface Science</i> , 2009, 329, 351-356.	5.0	14
69	Stable clusters in liposomic systems. <i>Soft Matter</i> , 2012, 8, 3212.	1.2	14
70	Interactions Between Liposomes and Cations in Aqueous Solution. <i>Journal of Liposome Research</i> , 2003, 13, 131-145.	1.5	13
71	Thermodynamics of micellization of tetraethylammonium perfluorooctylsulfonate in water. <i>Journal of Colloid and Interface Science</i> , 2006, 297, 10-21.	5.0	13
72	A study on the protein concentration dependence of the thermodynamics of micellization. <i>Journal of Chemical Thermodynamics</i> , 2008, 40, 1445-1450.	1.0	13

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73	A thermodynamic study of the aggregation process of oxacillin sodium salt in aqueous solution. <i>Colloid and Polymer Science</i> , 2002, 280, 624-629.	1.0	12
74	Influence of temperature on the colloidal stability of the F-DPPC and DPPC liposomes induced by lanthanum ions. <i>Journal of Colloid and Interface Science</i> , 2012, 367, 193-198.	5.0	12
75	The self-association of acebutolol: Conductometry and light scattering. <i>Journal of Chemical Physics</i> , 2003, 118, 5964-5970.	1.2	11
76	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
77	Langmuir Monolayers of a Hydrogenated/Fluorinated Catanionic Surfactant: From the Macroscopic to the Nanoscopic Size Scale. <i>Langmuir</i> , 2009, 25, 8075-8082.	1.6	11
78	Thermodynamic and elastic fluctuation analysis of langmuir mixed monolayers composed by dehydrocholic acid (HDHC) and didodecyldimethylammonium bromide (DDAB). <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 75, 34-41.	2.5	11
79	Thermodynamic studies on the interaction of n-alkyltrimethylammonium bromides with anionic polypeptides in aqueous solution. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1994, 90, 2511.	1.7	10
80	Thermodynamic Study of Self-Assembly Behavior of Propranolol Hydrochloride in Aqueous Solutions as a Function of Electrolyte Concentration and Temperature. <i>Journal of Chemical &amp; Engineering Data</i> , 2003, 48, 1597-1602.	1.0	10
81	Colloidal properties of benzylpenicillin. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 236, 121-131.	2.3	10
82	Determination of the aggregation properties of weakly self-associating systems by NMR techniques: the self-association of propranolol hydrochloride in aqueous electrolyte solution. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 1261-1265.	1.3	9
83	Spread mixed monolayers of deoxycholic and dehydrocholic acids at the air-water interface, effect of subphase pH. Characterization by axisymmetric drop shape analysis. <i>Biophysical Chemistry</i> , 2008, 132, 39-46.	1.5	8
84	Interactions in binary mixed systems involving betablockers with different lipophilicity as a function of temperature and mixed ratios. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 334, 116-123.	2.3	8
85	Insertion of semifluorinated diblocks on DMPC and DPPC liposomes. Influence on the gel and liquid states of the bilayer. <i>Journal of Colloid and Interface Science</i> , 2010, 348, 388-392.	5.0	8
86	Interaction of human serum albumin with monofluorinated phospholipid monolayers. <i>Journal of Colloid and Interface Science</i> , 2012, 388, 162-169.	5.0	8
87	Secondary structure of prothymosin $\beta$ evidenced for conformational transitions induced by changes in temperature and concentration of n-dodecyltrimethylammonium bromide. <i>European Biophysics Journal</i> , 2001, 30, 242-249.	1.2	7
88	The Influence of Sodium Perfluorooctanoate on the Conformational Transitions of Human Immunoglobulin. <i>Journal of Physical Chemistry B</i> , 2007, 111, 8045-8052.	1.2	7
89	Electrophoretic and spectroscopic characterization of the protein patterns formed in different surfactant solutions. <i>International Journal of Biological Macromolecules</i> , 2008, 42, 22-26.	3.6	6
90	Ca <sup>2+</sup> - and Mg <sup>2+</sup> -induced molecular interactions in a dehydrocholic acid/didodecyldimethylammonium bromide mixed monolayer. <i>Colloid and Polymer Science</i> , 2010, 288, 449-459.	1.0	6

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91	A study of the behaviour of ampicillin in aqueous solution and thermodynamic characterization of its aggregation. <i>Molecular Physics</i> , 2001, 99, 2003-2009.	0.8	5
92	The surfactant characteristics of short-chain lecithins analyzed through lecithin-lecithin and lecithin-biopolymer interactions. , 2003, , 141-148.		5
93	Thermodynamic study of the imipramineâ€“insulin interaction. <i>Journal of Chemical Thermodynamics</i> , 1999, 31, 1297-1306.	1.0	4
94	The micellization of dioctanoylphosphatidylcholine at low pH: a laser light scattering study. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2002, 203, 67-75.	2.3	4
95	Partial molar volumes and partial molar adiabatic compressibilities of a short chain perfluorosurfactant: Sodium heptafluorobutyrate in aqueous solutions at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2005, 37, 1351-1355.	1.0	4
96	Studying Colloidal Aggregation Using Liposomes. <i>Methods in Molecular Biology</i> , 2010, 606, 189-198.	0.4	4
97	Thermodynamics of micellization of C7and C8lecithins. <i>Molecular Physics</i> , 2002, 100, 1633-1639.	0.8	3
98	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
99	Thermodynamic study of functionalized calix[n]arene and resorcinol[n]arene monolayers spreaded at an aqueous pendant drop. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2010, 67, 343-352.	1.6	3
100	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
101	Effect of Temperature on the Sodium 1-Hexyl Sulfateâˆ“Water System. <i>Journal of Chemical &amp; Engineering Data</i> , 1999, 44, 1192-1194.	1.0	1
102	Thermodynamics of self-assembly of sodium octanoate: comparison with a fully fluorinated counterpart. <i>Molecular Physics</i> , 2003, 101, 3185-3195.	0.8	1
103	Hydrogenated versus Fluorinated Surfactants. , 0, , 3107-3119.		1
104	Thermodynamics of self-assembly of sodium octanoate: comparison with a fully fluorinated counterpart. <i>Molecular Physics</i> , 2004, 102, 1979-1980.	0.8	0
105	A Potentiometric and Spectroscopic Study on the Interaction Between Human Immunoglobulin G and Sodium Perfluorooctanoate in Aqueous Solution. <i>Macromolecular Symposia</i> , 2007, 251, 103-111.	0.4	0
106	New considerations of the Poissonâ€“Boltzmann equation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 377, 15-23.	1.2	0