

Omar A El Seoud

List of Publications by Year in descending order

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167
papers

5,714
citations

70961

41
h-index

106150

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173
all docs

173
docs citations

173
times ranked

4325
citing authors

#	ARTICLE	IF	CITATIONS
1	Cellulose, chitin and silk: the cornerstones of green composites. <i>Emergent Materials</i> , 2022, 5, 785-810.	3.2	6
2	Dissolution of Silk Fibroin in Mixtures of Ionic Liquids and Dimethyl Sulfoxide: On the Relative Importance of Temperature and Binary Solvent Composition. <i>Polymers</i> , 2022, 14, 13.	2.0	12
3	Effects of head-group volume on the thermodynamic parameters and species distribution of ionic liquid-based surfactants in water: 1-(n-hexadecyl)-3-alkylimidazolium bromides and chlorides. <i>Journal of Molecular Liquids</i> , 2022, 362, 119681.	2.3	2
4	Understanding cellulose dissolution in ionic liquid-dimethyl sulfoxide binary mixtures: Quantification of the relative importance of hydrogen bonding and hydrophobic interactions. <i>Journal of Molecular Liquids</i> , 2021, 322, 114848.	2.3	16
5	Engineering of sustainable biomaterial composites from cellulose and silk fibroin: Fundamentals and applications. <i>International Journal of Biological Macromolecules</i> , 2021, 167, 687-718.	3.6	35
6	Ionic Liquid-Based Surfactants: Recent Advances in Their Syntheses, Solution Properties, and Applications. <i>Polymers</i> , 2021, 13, 1100.	2.0	61
7	On the effects of head-group volume on the adsorption and aggregation of 1-(n-hexadecyl)-3-Cm-imidazolium bromide and chloride surfactants in aqueous solutions. <i>Journal of Molecular Liquids</i> , 2021, 328, 115478.	2.3	8
8	Electrospinning of cellulose carboxylic esters synthesized under homogeneous conditions: Effects of the ester degree of substitution and acyl group chain length on the morphology of the fabricated mats. <i>Journal of Molecular Liquids</i> , 2021, 339, 116745.	2.3	4
9	Sustainable biomaterials based on cellulose, chitin and chitosan composites - A review. <i>Carbohydrate Polymer Technologies and Applications</i> , 2021, 2, 100079.	1.6	35
10	Concentration- and Temperature-Responsive Reversible Transition in Amide-Functionalized Surface-Active Ionic Liquids: Micelles to Vesicles to Organogel. <i>ACS Omega</i> , 2020, 5, 24272-24284.	1.6	12
11	Understanding the efficiency of ionic liquids as solvents for carbohydrates: use of solvatochromic- and related physicochemical properties. <i>New Journal of Chemistry</i> , 2020, 44, 14906-14914.	1.4	11
12	Cellulose Dissolution in Mixtures of Ionic Liquids and Dimethyl Sulfoxide: A Quantitative Assessment of the Relative Importance of Temperature and Composition of the Binary Solvent. <i>Molecules</i> , 2020, 25, 5975.	1.7	4
13	Dependence of cellulose dissolution in quaternary ammonium acetates/DMSO on the molecular structure of the electrolyte: use of solvatochromism, micro-calorimetry, and molecular dynamics simulations. <i>Cellulose</i> , 2020, 27, 3565-3580.	2.4	13
14	Cellulose Regeneration and Chemical Recycling: Closing the "Cellulose Gap" Using Environmentally Benign Solvents. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 1900832.	1.7	46
15	Temperature-Responsive Low Molecular Weight Ionic Liquid Based Gelator: An Approach to Fabricate an Anti-Cancer Drug-Loaded Hybrid Ionogel. <i>ChemSystemsChem</i> , 2020, 2, e1900053.	1.1	18
16	Understanding Solvation: Comparison of Reichardt's Solvatochromic Probe and Related Molecular "Core" Structures. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 2213-2220.	1.0	12
17	Binary mixtures of ionic liquids-DMSO as solvents for the dissolution and derivatization of cellulose: Effects of alkyl and alkoxy side chains. <i>Carbohydrate Polymers</i> , 2019, 212, 206-214.	5.1	26
18	Cellulose in Ionic Liquids and Alkaline Solutions: Advances in the Mechanisms of Biopolymer Dissolution and Regeneration. <i>Polymers</i> , 2019, 11, 1917.	2.0	38

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19	Assessing cellulose dissolution efficiency in solvent systems based on a robust experimental quantification protocol and enthalpy data. <i>Holzforschung</i> , 2019, 73, 1103-1112.	0.9	10
20	Dissolution of Asphaltene in Binary Mixtures of Organic Solvents and Model Maltenes: Unambiguous Evidence for Asphaltene Preferential Solvation and Relevance to Assessing the Efficiency of Additives for Asphaltene Stabilization. <i>Energy & Fuels</i> , 2019, 33, 58-67.	2.5	6
21	Twenty-five years of cellulose chemistry: innovations in the dissolution of the biopolymer and its transformation into esters and ethers. <i>Cellulose</i> , 2019, 26, 139-184.	2.4	107
22	Dependence of cellulose dissolution in quaternary ammonium-based ionic liquids/DMSO on the molecular structure of the electrolyte. <i>Carbohydrate Polymers</i> , 2019, 205, 524-532.	5.1	23
23	Etherification of Cellulose. <i>Springer Series on Polymer and Composite Materials</i> , 2018, , 429-477.	0.5	10
24	Successful Approach to Mimic the Solvent Power of Maltenes Based on SARA Analysis, Solvatochromic and Solubility Parameters. <i>Energy & Fuels</i> , 2018, 32, 3281-3289.	2.5	2
25	Structure and Properties of Cellulose and Its Derivatives. <i>Springer Series on Polymer and Composite Materials</i> , 2018, , 39-172.	0.5	4
26	Principles of Cellulose Derivatization. <i>Springer Series on Polymer and Composite Materials</i> , 2018, , 259-292.	0.5	4
27	Cellulose Esters. <i>Springer Series on Polymer and Composite Materials</i> , 2018, , 293-427.	0.5	7
28	Cellulose Activation and Dissolution. <i>Springer Series on Polymer and Composite Materials</i> , 2018, , 173-257.	0.5	5
29	Drug-Induced Micelle-to-Vesicle Transition of a Cationic Gemini Surfactant: Potential Applications in Drug Delivery. <i>ChemPhysChem</i> , 2018, 19, 865-872.	1.0	47
30	Surprising Insensitivity of Homogeneous Acetylation of Cellulose Dissolved in Triethyl(n-octyl)ammonium Chloride/Molecular Solvent on the Solvent Polarity. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1800032.	1.7	4
31	Ionic Liquid-Based Catanionic Coacervates: Novel Microreactors for Membrane-Free Sequestration of Dyes and Curcumin. <i>ACS Omega</i> , 2018, 3, 17751-17761.	1.6	26
32	Thermo-Switchable de Novo Ionic Liquid-Based Gelators with Dye-Absorbing and Drug-Encapsulating Characteristics. <i>ACS Omega</i> , 2018, 3, 12068-12078.	1.6	34
33	Recent Advances in Solvents for the Dissolution, Shaping and Derivatization of Cellulose: Quaternary Ammonium Electrolytes and their Solutions in Water and Molecular Solvents. <i>Molecules</i> , 2018, 23, 511.	1.7	56
34	Drug induced micelle-to-vesicle transition in aqueous solutions of cationic surfactants. <i>RSC Advances</i> , 2017, 7, 3861-3869.	1.7	39
35	Experimental and theoretical studies on solvation in aqueous solutions of ionic liquids carrying different side chains: the n-butyl-group versus the methoxyethyl group. <i>RSC Advances</i> , 2017, 7, 15952-15963.	1.7	14
36	Dissolution Capacity of Novel Cellulose Solvents Based on Triethyloctylammonium Chloride. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1700208.	1.1	6

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37	Effects of 1-alkyl-3-methylimidazolium bromide ionic liquids on the micellar properties of [butanediyl-1,4-bis(dimethyldodecylammonium bromide)] gemini surfactant in aqueous solution. <i>Colloid and Polymer Science</i> , 2017, 295, 2351.	1.0	10
38	Solvation by aqueous solutions of imidazole-based ionic liquids: 2- A comparison between alkyl and alkoxy side-chains. <i>Fluid Phase Equilibria</i> , 2017, 451, 48-56.	1.4	6
39	Solvatochromic and Solubility Parameters of Solvents: Equivalence of the Scales and Application to Probe the Solubilization of Asphaltenes. <i>Energy & Fuels</i> , 2016, 30, 4644-4652.	2.5	13
40	Cellulose carboxylate/tosylate mixed esters: Synthesis, properties and shaping into microspheres. <i>Carbohydrate Polymers</i> , 2016, 152, 79-86.	5.1	7
41	Probing Cellulose Acetylation in Binary Mixtures of an Ionic Liquid with Dimethylsulfoxide and Sulfolane by Chemical Kinetics, Viscometry, Spectroscopy, and Molecular Dynamics Simulations. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 2368-2376.	1.1	15
42	Learning Chemistry from Good and (Why Not?) Problematic Results: Kinetics of the pH-Independent Hydrolysis of 4-Nitrophenyl Chloroformate. <i>Journal of Chemical Education</i> , 2015, 92, 752-756.	1.1	1
43	Ionic-liquid-based surfactants with unsaturated head group: synthesis and micellar properties of 1-(n-alkyl)-3-vinylimidazolium bromides. <i>Colloid and Polymer Science</i> , 2015, 293, 3213-3224.	1.0	43
44	Imidazole-catalyzed esterification of cellulose in ionic liquid/molecular solvents: A multi-technique approach to probe effects of the medium. <i>Industrial Crops and Products</i> , 2015, 77, 180-189.	2.5	22
45	Mixed solvents for cellulose derivatization under homogeneous conditions: kinetic, spectroscopic, and theoretical studies on the acetylation of the biopolymer in binary mixtures of an ionic liquid and molecular solvents. <i>Cellulose</i> , 2014, 21, 1193-1204.	2.4	15
46	Novel solvents for cellulose: Use of dibenzyl dimethylammonium fluoride/dimethyl sulfoxide (DMSO) as solvent for the etherification of the biopolymer and comparison with tetra(1-butyl)ammonium fluoride/DMSO. <i>Industrial Crops and Products</i> , 2014, 54, 185-191.	2.5	16
47	A Simple Approach to Calculate the Micelle Aggregation Numbers of Ionic Liquid-Based Surfactants: Electrochemical Behavior of Aggregate-Solubilized Ferrocene Studied by Microelectrode Voltammetry. <i>Journal of the Electrochemical Society</i> , 2014, 161, H660-H662.	1.3	0
48	Acylation of cellulose in a novel solvent system: Solution of dibenzyl dimethylammonium fluoride in DMSO. <i>Carbohydrate Polymers</i> , 2014, 101, 444-450.	5.1	18
49	Cellulose loading and water sorption value as important parameters for the enzymatic hydrolysis of cellulose. <i>Cellulose</i> , 2013, 20, 1109-1119.	2.4	15
50	Perichromism: A powerful tool for probing the properties of cellulose and its derivatives. <i>Carbohydrate Polymers</i> , 2013, 93, 129-134.	5.1	18
51	Successful Application of an Ionic Liquid Carrying the Fluoride Counterion in Biomacromolecular Chemistry: Microwave-Assisted Acylation of Cellulose in the Presence of 1-allyl-3-methylimidazolium Fluoride/DMSO Mixtures. <i>Macromolecular Bioscience</i> , 2013, 13, 191-202.	2.1	10
52	Chemistry and Applications of Polysaccharide Solutions in Strong Electrolytes/Dipolar Aprotic Solvents: An Overview. <i>Molecules</i> , 2013, 18, 1270-1313.	1.7	56
53	Efficient Cellulose Solvent: Quaternary Ammonium Chlorides. <i>Macromolecular Rapid Communications</i> , 2013, 34, 1580-1584.	2.0	35
54	FT-IR and ¹ H NMR studies of the state of solubilized water in water-in-oil microemulsions stabilized by mixtures of single- and double-tailed cationic surfactants. <i>Journal of Colloid and Interface Science</i> , 2013, 393, 210-218.	5.0	13

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55	β -Carotene: A green, inexpensive, and convenient solvatochromic probe for the determination of solvent polarizability. <i>Dyes and Pigments</i> , 2013, 96, 16-24.	2.0	18
56	Kinetics and mechanism of imidazole-catalyzed acylation of cellulose in LiCl/N,N-dimethylacetamide. <i>Carbohydrate Polymers</i> , 2013, 92, 997-1005.	5.1	25
57	Solvatochromism of 2-(N,N-dimethylamino)-7-nitrofluorene and the natural dye β -carotene: application for the determination of solvent dipolarity and polarizability. <i>Journal of Physical Organic Chemistry</i> , 2013, 26, 280-285.	0.9	6
58	Bio-based Films from Linter Cellulose and Its Acetates: Formation and Properties. <i>Materials</i> , 2013, 6, 2410-2435.	1.3	22
59	Effect of cellulose physical characteristics, especially the water sorption value, on the efficiency of its hydrolysis catalyzed by free or immobilized cellulase. <i>Journal of Biotechnology</i> , 2012, 157, 246-252.	1.9	38
60	Introducing education for sustainable development in the undergraduate laboratory: quantitative analysis of bioethanol fuel and its blends with gasoline by using solvatochromic dyes. <i>Chemistry Education Research and Practice</i> , 2012, 13, 147-153.	1.4	22
61	Solvation in aqueous binary mixtures: consequences of the hydrophobic character of the ionic liquids and the solvatochromic probes. <i>New Journal of Chemistry</i> , 2012, 36, 2353.	1.4	35
62	Employing perichromism for probing the properties of carboxymethyl cellulose films: an expedient, accurate method for the determination of the degree of substitution of the biopolymer derivative. <i>Cellulose</i> , 2012, 19, 151-159.	2.4	10
63	First report on the kinetics of the uncatalyzed esterification of cellulose under homogeneous reaction conditions: a rationale for the effect of carboxylic acid anhydride chain-length on the degree of biopolymer substitution. <i>Cellulose</i> , 2012, 19, 199-207.	2.4	27
64	Have Biofuel, Will Travel: A Colorful Experiment and a Different Approach To Teach the Undergraduate Laboratory. <i>Journal of Chemical Education</i> , 2011, 88, 1293-1297.	1.1	18
65	Acetylation of cellulose in LiCl-N,N-dimethylacetamide: first report on the correlation between the reaction efficiency and the aggregation number of dissolved cellulose. <i>Cellulose</i> , 2011, 18, 385-392.	2.4	46
66	Microwave-Assisted Derivatization of Cellulose, 2 – The Surprising Effect of the Structure of Ionic Liquids on the Dissolution and Acylation of the Biopolymer. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 2541-2550.	1.1	25
67	Tailored Media for Homogeneous Cellulose Chemistry: Ionic Liquid/Co-Solvent Mixtures. <i>Macromolecular Materials and Engineering</i> , 2011, 296, 483-493.	1.7	136
68	Expedient, accurate methods for the determination of the degree of substitution of cellulose carboxylic esters: Application of UV-vis spectroscopy (dye solvatochromism) and FTIR. <i>Carbohydrate Polymers</i> , 2011, 83, 1285-1292.	5.1	27
69	A convenient solvent system for cellulose dissolution and derivatization: Mechanistic aspects of the acylation of the biopolymer in tetraallylammonium fluoride/dimethyl sulfoxide. <i>Carbohydrate Polymers</i> , 2011, 86, 1395-1402.	5.1	15
70	Surface active ionic liquids: Study of the micellar properties of 1-(1-alkyl)-3-methylimidazolium chlorides and comparison with structurally related surfactants. <i>Journal of Colloid and Interface Science</i> , 2011, 361, 186-194.	5.0	102
71	Probing the dependence of the properties of cellulose acetates and their films on the degree of biopolymer substitution: use of solvatochromic indicators and thermal analysis. <i>Cellulose</i> , 2010, 17, 937-951.	2.4	20
72	Micellar properties of surface active ionic liquids: A comparison of 1-hexadecyl-3-methylimidazolium chloride with structurally related cationic surfactants. <i>Journal of Colloid and Interface Science</i> , 2010, 345, 1-11.	5.0	142

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73	Microwave-assisted derivatization of cellulose in an ionic liquid: An efficient, expedient synthesis of simple and mixed carboxylic esters. <i>Journal of Polymer Science Part A</i> , 2010, 48, 134-143.	2.5	58
74	Some aspects of acetylation of untreated and mercerized sisal cellulose. <i>Journal of the Brazilian Chemical Society</i> , 2010, 21, 71-77.	0.6	25
75	Surface Properties of Calcinated Titanium Dioxide Probed by Solvatochromic Indicators: Relevance to Catalytic Applications. <i>Journal of Physical Chemistry C</i> , 2010, 114, 10436-10443.	1.5	13
76	Application of Microelectrode Voltammetry to Study the Properties of Surfactant Solutions: Alkyltrimethylammonium Bromides. <i>Journal of Physical Chemistry B</i> , 2010, 114, 857-862.	1.2	20
77	Thermo-solvatochromism in binary mixtures of water and ionic liquids: on the relative importance of solvophobic interactions. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 1764.	1.3	27
78	Understanding solvation. <i>Pure and Applied Chemistry</i> , 2009, 81, 697-707.	0.9	86
79	Application of 1-Allyl-3-(1-butyl)imidazolium Chloride in the Synthesis of Cellulose Esters: Properties of the Ionic Liquid, and Comparison with Other Solvents. <i>Macromolecular Bioscience</i> , 2009, 9, 813-821.	2.1	37
80	Solvatochromism in Binary Mixtures: First Report on a Solvation Free Energy Relationship between Solvent Exchange Equilibrium Constants and the Properties of the Medium. <i>Journal of Physical Chemistry B</i> , 2009, 113, 9512-9519.	1.2	23
81	Cellulose swelling by protic solvents: which properties of the biopolymer and the solvent matter?. <i>Cellulose</i> , 2008, 15, 371-392.	2.4	67
82	Cellulose Swelling by Aprotic and Protic Solvents: What are the Similarities and Differences?. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 1240-1254.	1.1	87
83	Thermo-solvatochromism of Merocyanine Polarity Probes – What Are the Consequences of Increasing Probe Lipophilicity through Annelation?. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 1165-1180.	1.2	44
84	First Study on the Thermo-Solvatochromism in Aqueous 1-(1-Butyl)-3-methylimidazolium Tetrafluoroborate: A Comparison between the Solvation by an Ionic Liquid and by Aqueous Alcohols. <i>Journal of Physical Chemistry B</i> , 2008, 112, 8330-8339.	1.2	49
85	Solvation in Pure Liquids: What Can Be Learned from the Use of Pairs of Indicators?. <i>Journal of Physical Chemistry B</i> , 2008, 112, 14976-14984.	1.2	12
86	FTIR and ¹ H NMR Studies on the Structure of Water Solubilized by Reverse Aggregates of Dodecyltrimethylammonium Bromide; Didodecyltrimethylammonium Bromide, and Their Mixtures in Organic Solvents. , 2008, , 101-110.		2
87	Solvation in pure and mixed solvents: Some recent developments. <i>Pure and Applied Chemistry</i> , 2007, 79, 1135-1151.	0.9	65
88	Applications of Ionic Liquids in Carbohydrate Chemistry: A Window of Opportunities. <i>Biomacromolecules</i> , 2007, 8, 2629-2647.	2.6	615
89	Use of Microdevices To Determine the Diffusion Coefficient of Electrochemically Generated Species: Application to Binary Solvent Mixtures and Micellar Solutions. <i>Journal of Physical Chemistry B</i> , 2007, 111, 12478-12484.	1.2	19
90	Solvation in Binary Mixtures of Water and Polar Aprotic Solvents: Theoretical Calculations of the Concentrations of Solvent-Water Hydrogen-Bonded Species and Application to Thermosolvatochromism of Polarity Probes. <i>Journal of Physical Chemistry B</i> , 2007, 111, 6173-6180.	1.2	45

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91	Lysozyme gelation in mixtures of tetramethylurea with protic solvents: Use of solvatochromic indicators to probe medium microstructure and solute-solvent interactions. <i>Journal of Molecular Structure</i> , 2007, 841, 51-60.	1.8	9
92	Effects of KBr and n-decanol on the properties of cetyltrimethylammonium bromide micelles in aqueous solutions: A microelectrode voltammetric study. <i>Journal of Electroanalytical Chemistry</i> , 2007, 603, 275-280.	1.9	9
93	Synthesis and micellar properties of surface-active ionic liquids: 1-Alkyl-3-methylimidazolium chlorides. <i>Journal of Colloid and Interface Science</i> , 2007, 313, 296-304.	5.0	269
94	Thermosolvatochromism of Betaine Dyes Revisited: Theoretical Calculations of the Concentrations of Alcohol-Water Hydrogen-bonded Species and Application to Solvation in Aqueous Alcohols. <i>Journal of Physical Chemistry A</i> , 2006, 110, 10287-10295.	1.1	26
95	Thermosolvatochromism of Betaine Dyes Revisited: Theoretical Calculations of the Concentrations of Alcohol-Water Hydrogen-bonded Species and Application to Solvation in Aqueous Alcohols. <i>Journal of Physical Chemistry A</i> , 2006, 110, 13122-13122.	1.1	1
96	Kinetics of the pH-independent hydrolyses of 4-nitrophenyl chloroformate and 4-nitrophenyl heptafluorobutyrate in water-acetonitrile mixtures: consequences of solvent composition and ester hydrophobicity. <i>Journal of Physical Organic Chemistry</i> , 2006, 19, 793-802.	0.9	22
97	Surfactants with an amide group spacer: Synthesis of 3-(acylamino)propyltrimethylammonium chlorides and their aggregation in aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2006, 304, 474-485.	5.0	16
98	Thermosolvatochromism of Merocyanine Polarity Indicators in Pure and Aqueous Solvents: Relevance of Solvent Lipophilicity. <i>Journal of Organic Chemistry</i> , 2006, 71, 9068-9079.	1.7	48
99	Simple, expedient methods for the determination of water and electrolyte contents of cellulose solvent systems. <i>Cellulose</i> , 2006, 13, 581-592.	2.4	10
100	Kinetics and mechanisms of the reactions of benzoyl derivatives of nucleophiles: dependence of the solvation requirement of the reaction on the structures of the nucleophile and the acyl group. <i>Journal of Physical Organic Chemistry</i> , 2005, 18, 173-182.	0.9	20
101	Thermo-solvatochromism of zwitterionic probes in aqueous aliphatic alcohols and in aqueous 2-alkoxyethanols: relevance to the enthalpies of activation of chemical reactions. <i>Journal of Physical Organic Chemistry</i> , 2005, 18, 398-407.	0.9	28
102	Interfacial ion exchange between monovalent and divalent anions in cationic micelles, revised in the light of correlation analysis. <i>Journal of Physical Organic Chemistry</i> , 2005, 18, 850-855.	0.9	3
103	A novel, convenient, quinoline-based merocyanine dye: probing solvation in pure and mixed solvents and in the interfacial region of an anionic micelle. <i>Journal of Physical Organic Chemistry</i> , 2005, 18, 1072-1085.	0.9	27
104	Influence of the Supramolecular Structure and Physicochemical Properties of Cellulose on Its Dissolution in a Lithium Chloride/N,N-Dimethylacetamide Solvent System. <i>Biomacromolecules</i> , 2005, 6, 2638-2647.	2.6	84
105	Organic Esters of Cellulose: New Perspectives for Old Polymers. <i>Advances in Polymer Science</i> , 2005, , 103-149.	0.4	72
106	Real Structure of Formamide Entrapped by AOT Nonaqueous Reverse Micelles: FT-IR and ¹ H NMR Studies. <i>Journal of Physical Chemistry B</i> , 2005, 109, 21209-21219.	1.2	48
107	Thermodynamics of micellization of cationic surfactants in aqueous solutions: consequences of the presence of the 2-acylaminoethyl moiety in the surfactant head group. <i>Colloid and Polymer Science</i> , 2004, 282, 1026-1032.	1.0	30
108	A microelectrode voltammetric study of the diffusion of CTABr aggregates in aqueous solutions. <i>Electrochimica Acta</i> , 2004, 50, 1065-1070.	2.6	11

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109	Thermodynamics of Micellization of Benzyl(2-acylaminoethyl)dimethylammonium Chloride Surfactants in Aqueous Solutions: A Conductivity and Titration Calorimetry Study. <i>Langmuir</i> , 2004, 20, 9551-9559.	1.6	74
110	2-(Acylaminoethyl)trimethylammonium chloride surfactants: synthesis and properties of aqueous solutions. <i>Colloid and Polymer Science</i> , 2003, 282, 21-31.	1.0	8
111	Thermo-solvatochromism of betaine dyes in aqueous alcohols: explicit consideration of the water-alcohol complex. <i>Journal of Physical Organic Chemistry</i> , 2003, 16, 691-699.	0.9	44
112	Synthesis and Aggregation of Benzyl(2-acylaminoethyl)dimethylammonium Chloride Surfactants. <i>Langmuir</i> , 2003, 19, 238-243.	1.6	45
113	¹ H and ¹³ C NMR Study on the Aggregation of (2-Acylaminoethyl)trimethylammonium Chloride Surfactants in D ₂ O. <i>Langmuir</i> , 2003, 19, 9645-9652.	1.6	34
114	Nucleophilic Reactivity of the CTACl-Micelle-Bound Fluoride Ion: The Influence of Water Concentration and Ionic Strength at the Micellar Interface. <i>Langmuir</i> , 2003, 19, 10666-10672.	1.6	10
115	Proton and carbon-13 NMR study of the aggregation of benzyl(2-acylaminoethyl)dimethylammonium chloride surfactants in D ₂ O. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 3489.	1.3	27
116	Thermo-solvatochromism of zwitterionic probes in aqueous alcohols: effects of the properties of the probe and the alcohol. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 5378-5385.	1.3	25
117	Kinetics of Surfactant-Mediated Breakdown of N-(4-Nitrophenyl)perfluorononamide Aggregates in Aqueous Solutions. <i>Langmuir</i> , 2002, 18, 8786-8791.	1.6	6
118	Sugar-Based Surfactants: Adsorption and Micelle Formation of Sodium Methyl 2-Acylamido-2-deoxy-6-O-sulfo-d-glucopyranosides. <i>Langmuir</i> , 2002, 18, 4362-4366.	1.6	52
119	Kinetics and mechanism of phosphate-catalyzed hydrolysis of benzoate esters: comparison with nucleophilic catalysis by imidazole and o-iodosobenzoate. <i>Perkin Transactions II RSC</i> , 2002, , 1053-1058.	1.1	15
120	Thermo-solvatochromism in aqueous alcohols: effects of the molecular structures of the alcohol and the solvatochromic probe. <i>Journal of Physical Organic Chemistry</i> , 2002, 15, 403-412.	0.9	28
121	Solvatochromism in Cationic Micellar Solutions: Effects of the Molecular Structures of the Solvatochromic Probe and the Surfactant Headgroup. <i>Langmuir</i> , 2001, 17, 652-658.	1.6	71
122	Solubilization of Pure and Aqueous 1,2,3-Propanetriol by Reverse Aggregates of Aerosol [®] OT in Isooctane Probed by FTIR and ¹ H NMR Spectroscopy. <i>Langmuir</i> , 2001, 17, 1847-1852.	1.6	33
123	Sugar-based cationic surfactants: Synthesis and aggregation of methyl 2-acylamido-6-trimethylammonio-2,6-dideoxy-d-glucopyranoside chlorides. <i>Journal of Surfactants and Detergents</i> , 2001, 4, 395-400.	1.0	26
124	Optimization of micellar catalysis of nucleophilic substitution reactions in buffered solutions of cetyltrimethylammonium halide surfactants, part 2: buffers in the pH range 7-8. <i>Journal of Physical Organic Chemistry</i> , 2001, 14, 823-831.	0.9	14
125	Sugar-based anionic surfactants: synthesis and micelle formation of sodium methyl 2-acylamido-2-deoxy-6-O-sulfo-d-glucopyranosides. <i>Carbohydrate Research</i> , 2001, 332, 95-102.	1.1	16
126	An efficient, one-pot acylation of cellulose under homogeneous reaction conditions. <i>Macromolecular Chemistry and Physics</i> , 2000, 201, 882-889.	1.1	126

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127	Solvatochromism in pure and binary solvent mixtures: effects of the molecular structure of the zwitterionic probe. <i>Journal of Physical Organic Chemistry</i> , 2000, 13, 679-687.	0.9	97
128	Microscopic Polarities of Interfacial Regions of Aqueous Cationic Micelles: Effects of Structures of the Solvatochromic Probe and the Surfactant. <i>Langmuir</i> , 2000, 16, 35-41.	1.6	69
129	FTIR and ¹ H NMR Studies of the Solubilization of Pure and Aqueous 1,2-Ethanediol in the Reverse Aggregates of Aerosol-OT. <i>Langmuir</i> , 2000, 16, 5573-5578.	1.6	56
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