Omar A El Seoud

List of Publications by Year
in descending order

167 papers	5,714 citations	71102 41 h-index	102487 66 g-index
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. Emergent Materials, 2022, 5, 785-810.	5.7	6
2	Dissolution of Silk Fibroin in Mixtures of Ionic Liquids and Dimethyl Sulfoxide: On the Relative Importance of Temperature and Binary Solvent Composition. Polymers, 2022, 14, 13.	4.5	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. Journal of Molecular Liquids, 2022, 362, 119681.	4.9	2
4	Understanding cellulose dissolution in ionic liquid-dimethyl sulfoxide binary mixtures: Quantification of the relative importance of hydrogen bonding and hydrophobic interactions. Journal of Molecular Liquids, 2021, 322, 114848.	4.9	16
5	Engineering of sustainable biomaterial composites from cellulose and silk fibroin: Fundamentals and applications. International Journal of Biological Macromolecules, 2021, 167, 687-718.	7.5	35
6	Ionic Liquid-Based Surfactants: Recent Advances in Their Syntheses, Solution Properties, and Applications. Polymers, 2021, 13, 1100.	4.5	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. Journal of Molecular Liquids, 2021, 328, 115478.	4.9	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. Journal of Molecular Liquids, 2021, 339, 116745.	4.9	4
9	Sustainable biomaterials based on cellulose, chitin and chitosan composites - A review. Carbohydrate Polymer Technologies and Applications, 2021, 2, 100079.	2.6	35
10	Concentration- and Temperature-Responsive Reversible Transition in Amide-Functionalized Surface-Active Ionic Liquids: Micelles to Vesicles to Organogel. ACS Omega, 2020, 5, 24272-24284.	3.5	12
11	Understanding the efficiency of ionic liquidsâ€“DMSO as solvents for carbohydrates: use of solvatochromic- and related physicochemical properties. New Journal of Chemistry, 2020, 44, 14906-14914.	2.8	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. Molecules, 2020, 25, 5975.	3.8	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. Cellulose, 2020, 27, 3565-3580.	4.9	13
14	Cellulose Regeneration and Chemical Recycling: Closing the â€œCellulose Gapâ€• Using Environmentally Benign Solvents. Macromolecular Materials and Engineering, 2020, 305, 1900832.	3.6	46
15	Temperatureâ€Responsive Low Molecular Weight Ionic Liquid Based Gelator: An Approach to Fabricate an Antiâ€Cancer Drugâ€Loaded Hybrid Ionogel. ChemSystemsChem, 2020, 2, e1900053.	2.6	18
16	Understanding Solvation: Comparison of Reichardtâ€™s Solvatochromic Probe and Related Molecular â€œCoreâ€• Structures. Journal of Chemical & Engineering Data, 2019, 64, 2213-2220.	1.9	12
17	Binary mixtures of ionic liquids-DMSO as solvents for the dissolution and derivatization of cellulose: Effects of alkyl and alkoxy side chains. Carbohydrate Polymers, 2019, 212, 206-214.	10.2	26
18	Cellulose in Ionic Liquids and Alkaline Solutions: Advances in the Mechanisms of Biopolymer Dissolution and Regeneration. Polymers, 2019, 11, 1917.	4.5	38

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19	Assessing cellulose dissolution efficiency in solvent systems based on a robust experimental quantification protocol and enthalpy data. Holzforschung, 2019, 73, 1103-1112.	1.9	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. Energy & Fuels, 2019, 33, 58-67.	5.1	6
21	Twenty-five years of cellulose chemistry: innovations in the dissolution of the biopolymer and its transformation into esters and ethers. Cellulose, 2019, 26, 139-184.	4.9	107
22	Dependence of cellulose dissolution in quaternary ammonium-based ionic liquids/DMSO on the molecular structure of the electrolyte. Carbohydrate Polymers, 2019, 205, 524-532.	10.2	23
23	Etherification of Cellulose. Springer Series on Polymer and Composite Materials, 2018, , 429-477.	0.7	10
24	Successful Approach to Mimic the Solvent Power of Maltenes Based on SARA Analysis, Solvatochromic and Solubility Parameters. Energy & Fuels, 2018, 32, 3281-3289.	5.1	2
25	Structure and Properties of Cellulose and Its Derivatives. Springer Series on Polymer and Composite Materials, 2018, , 39-172.	0.7	4
26	Principles of Cellulose Derivatization. Springer Series on Polymer and Composite Materials, 2018, , 259-292.	0.7	4
27	Cellulose Esters. Springer Series on Polymer and Composite Materials, 2018, , 293-427.	0.7	7
28	Cellulose Activation and Dissolution. Springer Series on Polymer and Composite Materials, 2018, , 173-257.	0.7	5
29	Drugâ€Induced Micelleâ€toâ€Vesicle Transition of a Cationic Gemini Surfactant: Potential Applications in Drug Delivery. ChemPhysChem, 2018, 19, 865-872.	2.1	47
30	Surprising Insensitivity of Homogeneous Acetylation of Cellulose Dissolved in Triethyl(<i>n</i>â€octyl)ammonium Chloride/Molecular Solvent on the Solvent Polarity. Macromolecular Materials and Engineering, 2018, 303, 1800032.	3.6	4
31	Ionic Liquid-Based Catanionic Coacervates: Novel Microreactors for Membrane-Free Sequestration of Dyes and Curcumin. ACS Omega, 2018, 3, 17751-17761.	3.5	26
32	Thermo-Switchable de Novo Ionic Liquid-Based Gelators with Dye-Absorbing and Drug-Encapsulating Characteristics. ACS Omega, 2018, 3, 12068-12078.	3.5	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. Molecules, 2018, 23, 511.	3.8	56
34	Drug induced micelle-to-vesicle transition in aqueous solutions of cationic surfactants. RSC Advances, 2017, 7, 3861-3869.	3.6	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. RSC Advances, 2017, 7, 15952-15963.	3.6	14
36	Dissolution Capacity of Novel Cellulose Solvents Based on Triethyloctylammonium Chloride. Macromolecular Chemistry and Physics, 2017, 218, 1700208.	2.2	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. Colloid and Polymer Science, 2017, 295, 2351.	2.1	10
38	Solvation by aqueous solutions of imidazole-based ionic liquids: 2- A comparison between alkyl and alkoxy side-chains. Fluid Phase Equilibria, 2017, 451, 48-56.	2.5	6
39	Solvatochromic and Solubility Parameters of Solvents: Equivalence of the Scales and Application to Probe the Solubilization of Asphaltenes. Energy & Fuels, 2016, 30, 4644-4652.	5.1	13
40	Cellulose carboxylate/tosylate mixed esters: Synthesis, properties and shaping into microspheres. Carbohydrate Polymers, 2016, 152, 79-86.	10.2	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. Macromolecular Chemistry and Physics, 2015, 216, 2368-2376.	2.2	15
42	Learning Chemistry from Good and (Why Not?) Problematic Results: Kinetics of the pH-Independent Hydrolysis of 4-Nitrophenyl Chloroformate. Journal of Chemical Education, 2015, 92, 752-756.	2.3	1
43	Ionic-liquid-based surfactants with unsaturated head group: synthesis and micellar properties of 1-(n-alkyl)-3-vinylimidazolium bromides. Colloid and Polymer Science, 2015, 293, 3213-3224.	2.1	43
44	Imidazole-catalyzed esterification of cellulose in ionic liquid/molecular solvents: A multi-technique approach to probe effects of the medium. Industrial Crops and Products, 2015, 77, 180-189.	5.2	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. Cellulose, 2014, 21, 1193-1204.	4.9	15
46	Novel solvents for cellulose: Use of dibenzyldimethylammonium fluoride/dimethyl sulfoxide (DMSO) as solvent for the etherification of the biopolymer and comparison with tetra(1-butyl)ammonium fluoride/DMSO. Industrial Crops and Products, 2014, 54, 185-191.	5.2	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. Journal of the Electrochemical Society, 2014, 161, H660-H662.	2.9	0
48	Acylation of cellulose in a novel solvent system: Solution of dibenzyldimethylammonium fluoride in DMSO. Carbohydrate Polymers, 2014, 101, 444-450.	10.2	18
49	Cellulose loading and water sorption value as important parameters for the enzymatic hydrolysis of cellulose. Cellulose, 2013, 20, 1109-1119.	4.9	15
50	Perichromism: A powerful tool for probing the properties of cellulose and its derivatives. Carbohydrate Polymers, 2013, 93, 129-134.	10.2	18
51	Successful Application of an Ionic Liquid Carrying the Fluoride Counterâ€ion in Biomacromolecular Chemistry: Microwaveâ€Assisted Acylation of Cellulose in the Presence of 1â€Allylâ€3â€methylimidazolium Fluoride/DMSO Mixtures. Macromolecular Bioscience, 2013, 13, 191-202.	4.1	10
52	Chemistry and Applications of Polysaccharide Solutions in Strong Electrolytes/Dipolar Aprotic Solvents: An Overview. Molecules, 2013, 18, 1270-1313.	3.8	56
53	Efficient Cellulose Solvent: Quaternary Ammonium Chlorides. Macromolecular Rapid Communications, 2013, 34, 1580-1584.	3.9	35
54	FT-IR and 1H NMR studies of the state of solubilized water in water-in-oil microemulsions stabilized by mixtures of single- and double-tailed cationic surfactants. Journal of Colloid and Interface Science, 2013, 393, 210-218.	9.4	13

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55	Î²-Carotene: A green, inexpensive, and convenient solvatochromic probe for the determination of solvent polarizability. Dyes and Pigments, 2013, 96, 16-24.	3.7	18
56	Kinetics and mechanism of imidazole-catalyzed acylation of cellulose in LiCl/N,N-dimethylacetamide. Carbohydrate Polymers, 2013, 92, 997-1005.	10.2	25
57	Solvatochromism of 2-(N,N -dimethylamino)-7-nitrofluorene and the natural dye Î²-carotene: application for the determination of solvent dipolarity and polarizability. Journal of Physical Organic Chemistry, 2013, 26, 280-285.	1.9	6
58	Bio-based Films from Linter Cellulose and Its Acetates: Formation and Properties. Materials, 2013, 6, 2410-2435.	2.9	22
59	Effect of cellulose physical characteristics, especially the water sorption value, on the efficiency of its hydrolysis catalyzed by free or immobilized cellulase. Journal of Biotechnology, 2012, 157, 246-252.	3.8	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. Chemistry Education Research and Practice, 2012, 13, 147-153.	2.5	22
61	Solvation in aqueous binary mixtures: consequences of the hydrophobic character of the ionic liquids and the solvatochromic probes. New Journal of Chemistry, 2012, 36, 2353.	2.8	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. Cellulose, 2012, 19, 151-159.	4.9	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. Cellulose, 2012, 19, 199-207.	4.9	27
64	Have Biofuel, Will Travel: A Colorful Experiment and a Different Approach To Teach the Undergraduate Laboratory. Journal of Chemical Education, 2011, 88, 1293-1297.	2.3	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. Cellulose, 2011, 18, 385-392.	4.9	46
66	Microwaveâ€Assisted Derivatization of Cellulose, 2 â€“ The Surprising Effect of the Structure of Ionic Liquids on the Dissolution and Acylation of the Biopolymer. Macromolecular Chemistry and Physics, 2011, 212, 2541-2550.	2.2	25
67	Tailored Media for Homogeneous Cellulose Chemistry: Ionic Liquid/Coâ€Solvent Mixtures. Macromolecular Materials and Engineering, 2011, 296, 483-493.	3.6	136
68	Expedient, accurate methods for the determination of the degree of substitution of cellulose carboxylic esters: Application of UVâ€“vis spectroscopy (dye solvatochromism) and FTIR. Carbohydrate Polymers, 2011, 83, 1285-1292.	10.2	27
69	A convenient solvent system for cellulose dissolution and derivatization: Mechanistic aspects of the acylation of the biopolymer in tetraallylammonium fluoride/dimethyl sulfoxide. Carbohydrate Polymers, 2011, 86, 1395-1402.	10.2	15
70	Surface active ionic liquids: Study of the micellar properties of 1-(1-alkyl)-3-methylimidazolium chlorides and comparison with structurally related surfactants. Journal of Colloid and Interface Science, 2011, 361, 186-194.	9.4	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. Cellulose, 2010, 17, 937-951.	4.9	20
72	Micellar properties of surface active ionic liquids: A comparison of 1-hexadecyl-3-methylimidazolium chloride with structurally related cationic surfactants. Journal of Colloid and Interface Science, 2010, 345, 1-11.	9.4	142

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73	Microwaveâ€assisted derivatization of cellulose in an ionic liquid: An efficient, expedient synthesis of simple and mixed carboxylic esters. Journal of Polymer Science Part A, 2010, 48, 134-143.	2.3	58
74	Some aspects of acetylation of untreated and mercerized sisal cellulose. Journal of the Brazilian Chemical Society, 2010, 21, 71-77.	0.6	25
75	Surface Properties of Calcinated Titanium Dioxide Probed by Solvatochromic Indicators: Relevance to Catalytic Applications. Journal of Physical Chemistry C, 2010, 114, 10436-10443.	3.1	13
76	Application of Microelectrode Voltammetry to Study the Properties of Surfactant Solutions: Alkyltrimethylammonium Bromides. Journal of Physical Chemistry B, 2010, 114, 857-862.	2.6	20
77	Thermo-solvatochromism in binary mixtures of water and ionic liquids: on the relative importance of solvophobic interactions. Physical Chemistry Chemical Physics, 2010, 12, 1764.	2.8	27
78	Understanding solvation. Pure and Applied Chemistry, 2009, 81, 697-707.	1.9	86
79	Application of 1â€Allylâ€3â€(1â€butyl)imidazolium Chloride in the Synthesis of Cellulose Esters: Properties of the Ionic Liquid, and Comparison with Other Solvents. Macromolecular Bioscience, 2009, 9, 813-821.	4.1	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. Journal of Physical Chemistry B, 2009, 113, 9512-9519.	2.6	23
81	Cellulose swelling by protic solvents: which properties of the biopolymer and the solvent matter?. Cellulose, 2008, 15, 371-392.	4.9	67
82	Cellulose Swelling by Aprotic and Protic Solvents: What are the Similarities and Differences?. Macromolecular Chemistry and Physics, 2008, 209, 1240-1254.	2.2	87
83	Thermoâ€Solvatochromism of Merocyanine Polarity Probes â€" What Are the Consequences of Increasing Probe Lipophilicity through Annelation?. European Journal of Organic Chemistry, 2008, 2008, 1165-1180.	2.4	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. Journal of Physical Chemistry B, 2008, 112, 8330-8339.	2.6	49
85	Solvation in Pure Liquids: What Can Be Learned from the Use of Pairs of Indicators?. Journal of Physical Chemistry B, 2008, 112, 14976-14984.	2.6	12
86	FTIR and 1H NMR Studies on the Structure of Water Solubilized by Reverse Aggregates of Dodecyltrimethylammonium Bromide; Didodecyldimethylammonium Bromide, and Their Mixtures in Organic Solvents. , 2008, , 101-110.		2
87	Solvation in pure and mixed solvents: Some recent developments. Pure and Applied Chemistry, 2007, 79, 1135-1151.	1.9	65
88	Applications of Ionic Liquids in Carbohydrate Chemistry:â€‰ A Window of Opportunities. Biomacromolecules, 2007, 8, 2629-2647.	5.4	615
89	Use of Microdevices To Determine the Diffusion Coefficient of Electrochemically Generated Species:â€‰ Application to Binary Solvent Mixtures and Micellar Solutions. Journal of Physical Chemistry B, 2007, 111, 12478-12484.	2.6	19
90	Solvation in Binary Mixtures of Water and Polar Aprotic Solvents:Â Theoretical Calculations of the Concentrations of Solventâ˘'Water Hydrogen-Bonded Species and Application to Thermosolvatochromism of Polarity Probes. Journal of Physical Chemistry B, 2007, 111, 6173-6180.	2.6	45

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91	Lysozyme gelation in mixtures of tetramethylurea with protic solvents: Use of solvatochromic indicators to probe medium microstructure and soluteâ€"solvent interactions. Journal of Molecular Structure, 2007, 841, 51-60.	3.6	9
92	Effects of KBr and n-decanol on the properties of cetyltrimethylammonium bromide micelles in aqueous solutions: A microelectrode voltammetric study. Journal of Electroanalytical Chemistry, 2007, 603, 275-280.	3.8	9
93	Synthesis and micellar properties of surface-active ionic liquids: 1-Alkyl-3-methylimidazolium chlorides. Journal of Colloid and Interface Science, 2007, 313, 296-304.	9.4	269
94	Thermosolvatochromism of Betaine Dyes Revisited:Â Theoretical Calculations of the Concentrations of Alcoholâˆ'Water Hydrogen-bonded Species and Application to Solvation in Aqueous Alcohols. Journal of Physical Chemistry A, 2006, 110, 10287-10295.	2.5	26
95	Thermosolvatochromism of Betaine Dyes Revisited:Â Theoretical Calculations of the Concentrations of Alcoholâˆ'Water Hydrogen-bonded Species and Application to Solvation in Aqueous Alcohols. Journal of Physical Chemistry A, 2006, 110, 13122-13122.	2.5	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. Journal of Physical Organic Chemistry, 2006, 19, 793-802.	1.9	22
97	Surfactants with an amide group â€œspacerâ€ Synthesis of 3-(acylaminopropyl)trimethylammonium chlorides and their aggregation in aqueous solutions. Journal of Colloid and Interface Science, 2006, 304, 474-485.	9.4	16
98	Thermosolvatochromism of Merocyanine Polarity Indicators in Pure and Aqueous Solvents:â€‰ Relevance of Solvent Lipophilicity. Journal of Organic Chemistry, 2006, 71, 9068-9079.	3.2	48
99	Simple, expedient methods for the determination of water and electrolyte contents of cellulose solvent systems. Cellulose, 2006, 13, 581-592.	4.9	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. Journal of Physical Organic Chemistry, 2005, 18, 173-182.	1.9	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. Journal of Physical Organic Chemistry, 2005, 18, 398-407.	1.9	28
102	Interfacial ion exchange between monovalent and divalent anions in cationic micelles, revised in the light of correlation analysis. Journal of Physical Organic Chemistry, 2005, 18, 850-855.	1.9	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. Journal of Physical Organic Chemistry, 2005, 18, 1072-1085.	1.9	27
104	Influence of the Supramolecular Structure and Physicochemical Properties of Cellulose on Its Dissolution in a Lithium Chloride/N,N-Dimethylacetamide Solvent System. Biomacromolecules, 2005, 6, 2638-2647.	5.4	84
105	Organic Esters of Cellulose: New Perspectives for Old Polymers. Advances in Polymer Science, 2005, , 103-149.	0.8	72
106	Real Structure of Formamide Entrapped by AOT Nonaqueous Reverse Micelles:Â FT-IR and1H NMR Studies. Journal of Physical Chemistry B, 2005, 109, 21209-21219.	2.6	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. Colloid and Polymer Science, 2004, 282, 1026-1032.	2.1	30
108	A microelectrode voltammetric study of the diffusion of CTABr aggregates in aqueous solutions. Electrochimica Acta, 2004, 50, 1065-1070.	5.2	11

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109	Thermodynamics of Micellization of Benzyl(2-acylaminoethyl)dimethylammonium Chloride Surfactants in Aqueous Solutions:Â A Conductivity and Titration Calorimetry Study. Langmuir, 2004, 20, 9551-9559.	3.5	74
110	2-(Acylaminoethyl)trimethylammonium chloride surfactants: synthesis and properties of aqueous solutions. Colloid and Polymer Science, 2003, 282, 21-31.	2.1	8
111	Thermo-solvatochromism of betaine dyes in aqueous alcohols: explicit consideration of the water-alcohol complex. Journal of Physical Organic Chemistry, 2003, 16, 691-699.	1.9	44
112	Synthesis and Aggregation of Benzyl(2-acylaminoethyl)dimethylammonium Chloride Surfactants. Langmuir, 2003, 19, 238-243.	3.5	45
113	1H and 13C NMR Study on the Aggregation of (2-Acylaminoethyl)trimethylammonium Chloride Surfactants in D2O. Langmuir, 2003, 19, 9645-9652.	3.5	34
114	Nucleophilic Reactivity of the CTACl-Micelle-Bound Fluoride Ion:Â The Influence of Water Concentration and Ionic Strength at the Micellar Interface. Langmuir, 2003, 19, 10666-10672.	3.5	10
115	Proton and carbon-13 NMR study of the aggregation of benzyl(2-acylaminoethyl)dimethylammonium chloride surfactants in D2O. Physical Chemistry Chemical Physics, 2003, 5, 3489.	2.8	27
116	Thermo-solvatochromism of zwitterionic probes in aqueous alcohols: effects of the properties of the probe and the alcohol. Physical Chemistry Chemical Physics, 2003, 5, 5378-5385.	2.8	25
117	Kinetics of Surfactant-Mediated Breakdown of N-(4-Nitrophenyl)perfluorononanamide Aggregates in Aqueous Solutions. Langmuir, 2002, 18, 8786-8791.	3.5	6
118	Sugar-Based Surfactants:Â Adsorption and Micelle Formation of Sodium Methyl 2-Acylamido-2-deoxy-6-O-sulfo-d-glucopyranosides. Langmuir, 2002, 18, 4362-4366.	3.5	52
119	Kinetics and mechanism of phosphate-catalyzed hydrolysis of benzoate esters: comparison with nucleophilic catalysis by imidazole and o-iodosobenzoate. Perkin Transactions II RSC, 2002, , 1053-1058.	1.1	15
120	Thermo-solvatochromism in aqueous alcohols: effects of the molecular structures of the alcohol and theÂsolvatochromic probe. Journal of Physical Organic Chemistry, 2002, 15, 403-412.	1.9	28
121	Solvatochromism in Cationic Micellar Solutions:â€‰ Effects of the Molecular Structures of the Solvatochromic Probe and the Surfactant Headgroup. Langmuir, 2001, 17, 652-658.	3.5	71
122	Solubilization of Pure and Aqueous 1,2,3-Propanetriol by Reverse Aggregates of Aerosolâˆ'OT in Isooctane Probed by FTIR and1H NMR Spectroscopy. Langmuir, 2001, 17, 1847-1852.	3.5	33
123	Sugar-based cationic surfactants: Synthesis and aggregation of methyl 2-acylamido-6-trimethylammonio-2,6-dideoxy-d-glucopyranoside chlorides. Journal of Surfactants and Detergents, 2001, 4, 395-400.	2.1	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. Journal of Physical Organic Chemistry, 2001, 14, 823-831.	1.9	14
125	Sugar-based anionic surfactants: synthesis and micelle formation of sodium methyl 2-acylamido-2-deoxy-6-O-sulfo-d-glucopyranosides. Carbohydrate Research, 2001, 332, 95-102.	2.3	16
126	An efficient, one-pot acylation of cellulose under homogeneous reaction conditions. Macromolecular Chemistry and Physics, 2000, 201, 882-889.	2.2	126

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127	Solvatochromism in pure and binary solvent mixtures: effects of the molecular structure of the zwitterionic probe. Journal of Physical Organic Chemistry, 2000, 13, 679-687.	1.9	97
128	Microscopic Polarities of Interfacial Regions of Aqueous Cationic Micelles:Â Effects of Structures of the Solvatochromic Probe and the Surfactantâ€. Langmuir, 2000, 16, 35-41.	3.5	69
129	FTIR and1H NMR Studies of the Solubilization of Pure and Aqueous 1,2-Ethanediol in the Reverse Aggregates of Aerosol-OT. Langmuir, 2000, 16, 5573-5578.	3.5	56
130	Fluorescence and Light-Scattering Studies of the Aggregation of Cationic Surfactants in Aqueous Solution:Â Effects of Headgroup Structure. Langmuir, 2000, 16, 3119-3123.	3.5	59
131	A novel, efficient procedure for acylation of cellulose under homogeneous solution conditions. Journal of Applied Polymer Science, 1999, 74, 1355-1360.	2.6	57
132	Some aspects of acylation of cellulose under homogeneous solution conditions. Journal of Polymer Science Part A, 1999, 37, 1357-1363.	2.3	62
133	Cellulose dissolution in lithium chloride/N,N-dimethylacetamide solvent system: Relevance of kinetics of decrystallization to cellulose derivatization under homogeneous solution conditions. Journal of Polymer Science Part A, 1999, 37, 3738-3744.	2.3	35
134	Kinetics of the pH-independent hydrolysis of 4-nitrophenyl chloroformate in aqueous micellar solutions: effects of the charge and structure of the surfactant. Journal of Physical Organic Chemistry, 1999, 12, 325-332.	1.9	39
135	Effects of charge and structure of surfactants on kinetics of water reactions: the pH-independent hydrolysis of bis (2,4-dinitrophenyl) carbonate. Journal of Molecular Liquids, 1999, 80, 231-251.	4.9	15
136	Solvatochromism in aqueous micellar solutions: effects of the molecular structures of solvatochromic probes and cationic surfactants. Physical Chemistry Chemical Physics, 1999, 1, 1957-1964.	2.8	59
137	Kinetics of the pH-Independent Hydrolysis of Bis(2,4-dinitrophenyl) Carbonate in Acetonitrileâˆ'Water Mixtures:Â Effects of the Structure of the Solvent. Journal of Organic Chemistry, 1997, 62, 5928-5933.	3.2	31
138	Kinetic Solvent Isotope Effect: A Simple, Multipurpose Physical Chemistry Experiment. Journal of Chemical Education, 1997, 74, 562.	2.3	15
139	Solvatochromism in Alcoholâ€Water Mixtures: Effects of the Molecular Structure of the Probe. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1997, 101, 105-113.	0.9	25
140	Solvatochromism in binary solvent mixtures: Effects of the molecular structure of the probe. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1997, 101, 902-909.	0.9	24
141	Aggregation of cationic surfactants in D₂O: A proton NMR study on effects of the structure of the headgroup. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1997, 101, 1933-1941.	0.9	18
142	Use of NMR to probe the structure of water at interfaces of organized assemblies. Journal of Molecular Liquids, 1997, 72, 85-103.	4.9	56
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