Laurence Romsted

List of Publications by Year
in descending order

38 papers	1,854 citations	218677 26 h-index	302126 39 g-index
39 all docs	39 docs citations	39 times ranked	1056 citing authors

#	Article	IF	Citations
1	Simultaneous determination of interfacial molarities of an alcohol, bromide ion, and water during an alcohol induced microstructural transition: the difference between medium and long chain alcohols. Soft Matter, 2020, 16, 5148-5156.	2.7	7
2	Effects of interfacial specific cations and water molarities on AOT micelle-to-vesicle transitions by chemical trapping: the specific ion-pair/hydration model. Physical Chemistry Chemical Physics, 2019, 21, 8633-8644.	2.8	18
3	Evidence of coexisting microemulsion droplets in oil-in-water emulsions revealed by 2D DOSY 1H NMR. Journal of Colloid and Interface Science, 2018, 514, 83-92.	9.4	35
4	A novel combined chemical kinetic and trapping method for probing the relationships between chemical reactivity and interfacial H₂O, Br^{âˆ’} and H⁺ ion molarities in CTAB/C₁₂E₆ mixed micelles. Physical Chemistry Chemical Physics, 2017, 19, 23747-23761.	2.8	12
5	Using a pseudophase model to determine AO distributions in emulsions: Why dynamic equilibrium matters. European Journal of Lipid Science and Technology, 2017, 119, 1600277.	1.5	12
6	Interfacial Concentrations of Hydroxytyrosol and Its Lipophilic Esters in Intact Olive Oil-in-Water Emulsions: Effects of Antioxidant Hydrophobicity, Surfactant Concentration, and the Oil-to-Water Ratio on the Oxidative Stability of the Emulsions. Journal of Agricultural and Food Chemistry, 2016, 64, 5274-5283.	5.2	63
7	Distributions of phenolic acid antioxidants between the interfacial and aqueous regions of corn oil emulsions: Effects of pH and emulsifier concentration. European Journal of Lipid Science and Technology, 2015, 117, 1801-1813.	1.5	26
8	A direct correlation between the antioxidant efficiencies of caffeic acid and its alkyl esters and their concentrations in the interfacial region of olive oil emulsions. The pseudophase model interpretation of the â€œcut-offâ€•effect. Food Chemistry, 2015, 175, 233-242.	8.2	79
9	Influence of Temperature on the Distribution of Catechin in Corn Oil-in-Water Emulsions and Some Relevant Thermodynamic Parameters. Food Biophysics, 2014, 9, 380-388.	3.0	17
10	Modeling chemical reactivity in emulsions. Current Opinion in Colloid and Interface Science, 2013, 18, 3-14.	7.4	77
11	Simultaneous Determination of Interfacial Molarities of Amide Bonds, Carboxylate Groups, and Water by Chemical Trapping in Micelles of Amphiphiles Containing Peptide Bond Models. Langmuir, 2013, 29, 534-544.	3.5	12
12	Using the pseudophase kinetic model to interpret chemical reactivity in ionic emulsions: Determining antioxidant partition constants and interfacial rate constants. Journal of Colloid and Interface Science, 2013, 400, 41-48.	9.4	25
13	Maxima in Antioxidant Distributions and Efficiencies with Increasing Hydrophobicity of Gallic Acid and Its Alkyl Esters. The Pseudophase Model Interpretation of the â€œCutoff Effectâ€. Journal of Agricultural and Food Chemistry, 2013, 61, 6533-6543.	5.2	89
14	Specific Ion-Pair/Hydration Model for the Sphere-To-Rod Transitions of Aqueous Cationic Micelles. The Evidence from Chemical Trapping. Statistical Science and Interdisciplinary Research, 2012, , 171-198.	0.0	1
15	Do Amphiphile Aggregate Morphologies and Interfacial Compositions Depend Primarily on Interfacial Hydration and Ion-Specific Interactions? The Evidence from Chemical Trapping. Langmuir, 2007, 23, 414-424.	3.5	117
16	Structural, Infrared, and Density Functional Theory Studies of N,N,Nâ€˜,Nâ€˜-Tetramethylimidazolidinium Dichloride:â€‰ A Model for Cationâˆ’Anion Association of Headgroups and Counterions in the Interfacial Regions of Gemini Micelles. Journal of Physical Chemistry B, 2007, 111, 13668-13674.	2.6	2
17	Specific Ion Pairing and Interfacial Hydration as Controlling Factors in Gemini Micelle Morphology. Chemical Trapping Studies. Journal of the American Chemical Society, 2006, 128, 492-501.	13.7	101
18	Determining Î±-tocopherol distributions between the oil, water, and interfacial regions of macroemulsions: Novel applications of electroanalytical chemistry and the pseudophase kinetic model. Advances in Colloid and Interface Science, 2006, 123-126, 303-311.	14.7	54

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19	Ion Pair Formation in Water. Association Constants of Bolaform, Bisquaternary Ammonium, Electrolytes by Chemical Trapping. Journal of Physical Chemistry B, 2005, 109, 23629-23637.	2.6	28
20	Origin of the Sphere-to-Rod Transition in Cationic Micelles with Aromatic Counterions:â€‰ Specific Ion Hydration in the Interfacial Region Matters. Langmuir, 2005, 21, 562-568.	3.5	71
21	Determining Partition Constants of Polar Organic Molecules between the Oil/Interfacial and Water/Interfacial Regions in Emulsions:Â A Combined Electrochemical and Spectrometric Method. Langmuir, 2004, 20, 3047-3055.	3.5	44
22	Concentration of Urea in Interfacial Regions of Aqueous Cationic, Anionic, and Zwitterionic Micelles Determined by Chemical Trapping. Langmuir, 2003, 19, 9179-9190.	3.5	39
23	Kinetic Method for Determining Antioxidant Distributions in Model Food Emulsions:â€‰ Distribution Constants of t-Butylhydroquinone in Mixtures of Octane, Water, and a Nonionic Emulsifier. Journal of Agricultural and Food Chemistry, 2002, 50, 3328-3336.	5.2	25
24	Estimating Concentrations of Condensed Counterions around a Polyelectrolyte by Chemical Trapping. ACS Symposium Series, 2002, , 184-199.	0.5	2
25	Arenediazonium Salts:Â New Probes of the Interfacial Compositions of Association Colloids. 6. Relationships between Interfacial Counterion and Water Concentrations and Surfactant Headgroup Size, Sphere-to-Rod Transitions, and Chemical Reactivity in Cationic Micellesâ€. Langmuir, 2000, 16, 59-71.	3.5	137
26	Rates and pH-dependent product distributions of the CuCl2-catalyzed dediazoniation ofp-nitrobenzenediazonium Âtetrafluoroborate in aqueous acid. Journal of Physical Organic Chemistry, 1999, 12, 130-140.	1.9	29
27	Arenediazonium Salts:Â New Probes of the Interfacial Compositions of Association Colloids. 5.1â^'4Determination of Hydration Numbers and Radial Distributions of Terminal Hydroxyl Groups in Mixed Nonionic CmEnMicelles by Chemical Trapping. Langmuir, 1999, 15, 326-336.	3.5	31
28	Determination of Interfacial Co-ion Concentration in Ionic Micelles by Chemical Trapping:â€‰ Halide Concentration at the Interface of Sodium Dodecyl Sulfate Micelles. Langmuir, 1997, 13, 5032-5035.	3.5	26
29	New Method for Estimating the Degree of Ionization and Counterion Selectivity of Cetyltrimethylammonium Halide Micelles:â€‰ Chemical Trapping of Free Counterions by a Water Soluble Arenediazonium Ion. Langmuir, 1997, 13, 647-652.	3.5	62
30	Micellar catalysis, a useful misnomer. Current Opinion in Colloid and Interface Science, 1997, 2, 622-628.	7.4	108
31	Arenediazonium Salts:Â New Probes of the Interfacial Compositions of Association Colloids. 4.1-3Estimation of the Hydration Numbers of Aqueous Hexaethylene Glycol Monododecyl Ether, C12E6, Micelles by Chemical Trappingâ€. Langmuir, 1996, 12, 2425-2432.	3.5	82
32	Arenediazonium Salts: New Probes of the Interfacial Compositions of Association Colloids. 3. Distributions of Butanol, Hexanol, and Water in Four-Component Cationic Microemulsions. Journal of the American Chemical Society, 1994, 116, 11779-11786.	13.7	36
33	Arenediazonium salts: new probes of the interfacial compositions of association colloids. 2. Binding constants of butanol and hexanol in aqueous three-component cetyltrimethylammonium bromide microemulsions. Journal of the American Chemical Society, 1993, 115, 8362-8367.	13.7	52
34	Arenediazonium salts: new probes of the interfacial compositions of association colloids. 1. Basic approach, methods, and illustrative applications. Journal of the American Chemical Society, 1993, 115, 8351-8361.	13.7	126
35	Simultaneous determination of counterion, alcohol, and water concentrations at a three-component microemulsion interface using product distributions from a dediazoniation reaction. Journal of the American Chemical Society, 1991, 113, 5052-5053.	13.7	46
36	Anomalous salt effects on a micellar-mediated reaction of bromide ion. Journal of Physical Organic Chemistry, 1990, 3, 239-247.	1.9	8

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37	A new method for estimating counter-ion selectivity of a cationic association colloid: Trapping of interfacial chloride and bromide counter-ions by reaction with micellar bound aryldiazonium salts. Colloids and Surfaces, 1990, 48, 123-137.	0.9	47
38	Quantitative treatment of benzimidazole deprotonation equilibria in aqueous micellar solutions of cetyltrimethylammonium ion (CTAX, X- = Cl-, Br-, and NO3-) surfactants. 1. Variable surfactant concentration. The Journal of Physical Chemistry, 1985, 89, 5107-5113.	2.9	106