Full Publication List.

2013

113. Phase Boundaries, Structural Characteristics, and NMR Spectra of Ionic Liquid-in-Oil Microemulsions Containing Double Chain Surface Active Ionic Liquid: A Comparative Study


111. Solvent and rotational relaxation of coumarin-153 and coumarin-480 in ionic liquid (1-butyl-3-methylimidazolium tetrafluoroborate) modified sodium 1,4-bis(2-ethylhexyl) sulfosuccinate (NaAOT) micelle.

2012

110. Protic ionic liquid-induced changes in the properties of aqueous triton TX-100–CTAB surfactant solution: Solvent and rotational relaxation studies.

109. Aggregation Behavior of Triton X-100 with a Mixture of Two RoomTemperature Ionic Liquids: Can We Identify the Mutual Penetration of Ionic Liquids in Ionic Liquid Containing Micellar Aggregates?
108. Study of Fluorescence Resonance Energy Transfer in Zwitterionic Micelle: Ionic-Liquid-Induced Changes in FRET Parameters.


107. Tuning the Probe Location on Zwitterionic Micellar System with Variation of pH and Addition of Surfactants with Different Alkyl Chains: Solvent and Rotational Relaxation Studies.


105. Ionic Liquid-in-Oil Microemulsions Composed of Double Chain Surface Active Ionic Liquid as a Surfactant: Temperature Dependent Solvent and Rotational Relaxation Dynamics of Coumarin-153 in [Py][TF2N]/[C4mim][AOT]/Benzene Microemulsions.


103. Photoinduced electron transfer between various coumarin analogues and N,N-dimethylaniline inside niosome, a nonionic innocuous polyethylene glycol-based surfactant assembly.


101. Dynamics of Solvation and Rotational Relaxation of Coumarin 480 in Pure Aqueous-AOT Reverse Micelle and Reverse Micelles Containing Different Size Silver Nanoparticles Inside its Core: A Comparative Study. 


99. Förster resonance energy transfer among a structural isomer of adenine and various Coumarins inside a nanosized reverse micelle. 


96. Pluronic Micellar Aggregates Loaded with Gold Nanoparticles (Au NPs) and Fluorescent Dyes: A Study of Controlled Nanometal Surface Energy Transfer. 
95. Photoinduced Electron Transfer in an Imidazolium Ionic Liquid and in Its Binary Mixtures with Water, Methanol, and 2-Propanol: Appearance of Marcus-Type of Inversion.

2011

94. Solvation Dynamics and Rotational Relaxation Study Inside Niosome, A Nonionic Innocuous Poly (ethylene Glycol)-Based Surfactant Assembly: An Excitation Wavelength Dependent Experiment.


92. Solvation and Rotational Dynamics of Coumarin-153 in Ethylammonium Nitrate Containing $\gamma$-Cyclodextrin.

91. Solvent and rotational relaxation study in ionic liquid containing reverse micellar system: A picosecond fluorescence spectroscopy study.

89. Effects of 1-butyl-3-methyl Imidazolium Tetrafluoroborate Ionic Liquid on TX-100 Aqueous Micelles: Solvent and Rotational Relaxation Studies.


87. Photoinduced Electron Transfer in a Room Temperature Ionic Liquid 1-Butyl-3-Methylimidazolium Octyl Sulfate Micelle: A Temperature Dependent Study.


85. Room Temperature Ionic Liquid in Confined Media: A Temperature Dependence Solvation Study in [bmim][BF4]/BHDC/Benzene Reverse Micelles.

84. Photoinduced intermolecular electron transfer in a room temperature imidazolium ionic liquid: An excitation wavelength dependence study.
83. Ionic Liquid Containing Microemulsions: Probe by Conductance, Dynamic Light Scattering, Diffusion-Ordered Spectroscopy NMR Measurements, and Study of Solvent Relaxation Dynamics

82. Characterization of 1-Ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide ([Emim][Tf$_2$N])/TX-100/Cyclohexane ternary microemulsion: Investigation of Photoinduced Electron Transfer in this RTIL containing microemulsion

81. The effect of membrane fluidity on FRET parameters: an energy transfer study inside small unilamellar vesicle.

S. Sarkar, R. Pramanik, N. Sarkar

Edited by Han, Ke-Li; Zhao, Guang-Jiu From Hydrogen Bonding and Transfer in the Excited State (2011), 1, 331-340.

2010

79. Effect of water on the solvent relaxation dynamics in an ionic liquid containing microemulsion of 1-butyl-3-methyl imidazolium tetrafluoroborate/TritonX-100/cyclohexane.


2009

72. Photoinduced electron transfer (PET) from N,N-dimethylaniline to 7-amino Coumarin dyes in a room temperature ionic liquid (RTIL): Slowing down of electron transfer rate compared to conventional solvent.

71. To Probe the Interaction of Methanol and Acetonitrile with the Ionic Liquid N,N,N-Trimethyl-N-propyl Ammonium Bis(trifluoromethanesulfonyl) Imide at Different Temperatures by Solvation Dynamics Study.

70. Direct Observation of Solvation Dynamics in Aqueous Reverse Micellar System Containing Silver Nanoparticle in the Reverse Micellar Core.

69. Photophysical Studies of a Hemicyanine Dye (LDS-698) in Dioxane-Water Mixture and in Different Alcohols and in a Room Temperature Ionic Liquid

68. Dynamics of Solvent and rotational relaxation of room temperature ionic liquid (RTILS) in RTIL containing microemulsions.

2008

67. Solvent and rotational relaxation of Coumarin 153 in a protic ionic liquid dimethyl ethanol ammonium formate
66. Assessing solvent effects on the singlet excited state lifetime of uracil derivatives: A femtosecond fluorescence upconversion study in alcohols and D$_2$O


65. Dynamics of solvent and rotational relaxation of Coumarin 153 in a room temperature ionic liquid Butyl-3-methylimidazolium octyl sulfate forming micellar structure


64. Photoinduced Electron Transfer (PET) Reaction in Polymer-Surfactant aggregates

: PET between N,N-dimethylaniline and 7-Amino Coumarin Dyes,


2007

63. Interaction of ionic liquid with water with variation of water content in 1-butyl-3-methylimidazolium hexafluorophosphate ([bmim][PF$_6$])/TX-100/water ternary microemulsions monitored by solvent and rotational relaxation of Coumarin 153 and Coumarin 490


62. Dynamics of Solvent and Rotational Relaxation of Coumarin-153 in Room Temperature Ionic Liquid 1-Butyl-3-methyl Imidazolium Tetrafluoroborate Confined in Poly(oxyethylene glycol) Ethers Containing Micelles


60. Probing the interaction of ellagic acid with human serum albumin: A fluorescence spectroscopic study

59. Solvent Effects on the Steady-state Absorption and Fluorescence Spectra of Uracil, Thymine and 5-Fluorouracil

58. Solvent relaxation of a room-temperature ionic liquid [bmim][PF₆] confined in a ternary microemulsion

57. Dynamics of solvent and rotational relaxation of ionic liquid confined in Microemulsion and Micelles

2006

56. Singlet excited state dynamics of uracil and thymine derivatives: A femtosecond fluorescence upconversion study in acetonitrile

55. Solvent Effect on the Singlet Excited-state Dynamics of 5-Fluorouracil in Acetonitrile as Compared with Water

54. Interaction of Ionic Liquid with Water in Ternary Microemulsions (TritonX-100/Water/1-Butyl-3-methylimidazolium Hexafluorophosphate) Probed by Solvent and Rotational Relaxation of Coumarin 153 and Coumarin 151
53. Photoinduced Electron Transfer in a Protein-Surfactant Complex: Probing the interaction of SDS with BSA

52. Photoinduced intermolecular electron transfer from dimethylaniline to 7-amino-Coumarin dyes on surface of β-cyclodextrin

51. Photoinduced electron transfer from N,N-dimethylaniline to 7-amino Coumarins in protein-surfactant complex: Slowing down of electron transfer dynamics compared to micelles

50. Dyanamics of Solvent and Rotational Relaxation of Glycerol in the Nanocavity of Reverse Micelles

49. Photoinduced intermolecular electron-transfer from electron donating solvents to Coumarin dyes in bile salt aggregates: Role of diffusion in electron transfer reaction

2005

48. Dynamics of Solvent and Rotational Relaxation of Coumarin 153 in Room Temperature Ionic Liquid 1-Butyl-3-methylimidazolium Hexafluorophosphate Confined in Brij-35 Micelles: A Picosecond Time-Resolved Fluorescence Spectroscopic Study
47. Binding and relaxation behavior of Coumarin-153 in lecithin-taurocholate mixed micelles: A time resolved fluorescence spectroscopic study

46. Intramolecular charge transfer and solvation dynamics of coumarins in reverse micelles and mixed micelles

45. Study of energy transfer from 7-amino Coumarin donors to rhodamine 6G acceptor in lecithin vesicles and Sodium Taurocholate-lecithin mixed aggregates.

44. Photoinduced electron transfer from dimethyl aniline to coumarin dyes in reverse micelles

43. Study of energy transfer from 7-amino Coumarin donors to rhodamine 6G acceptor in non-aqueous reverse micelles.

42. Effect of alkyl chain length and size of the headgroups of the surfactant on solvent and rotational relaxation in micelles and mixed micelles

41. Dynamics of solvation and rotational relaxation of Coumarin 153 in an ionic liquid confined in a nanometer size microemulsions

40. Effect of water, methanol and acetonitrile on solvation relaxation and rotational relaxation of Coumarin153 in neat 1-hexyl-3-methyl-imidazolium hexafluorophosphate

2004

39. Intramolecular charge transfer and solvation dynamics of Nile Red in the nanocavity of cyclodextrins

38. Dynamics of solvation and rotational relaxation in neutral Brij 35 and Brij 58 micelles

37. Dynamics of Photoisomerisation and rotational relaxation of 3,3-diethyloxadicarbocyanine iodide in room temperature ionic liquid and binary mixture of ionic liquid and water

36. Dynamics of solvation and rotational relaxation of Coumarin 153 in 1-butyl 3-methylimidazolium hexafluorophosphate [bmim][PF₆]-water mixtures

35. Effect of hydrogen bonding on intramolecular charge transfer in aqueous and non-aqueous reverse micelles

34. Probing protein-surfactant interaction by steady state and time-resolved fluorescence spectroscopy

33. Corrigendum to Photoinduced intermolecular electron transfer between Coumarin dyes and electron donating solvents in cetyltrimethylammonium bromide (CTAB) micelles: evidence for Marcus inverted region

**2003**

32. Solvation Dynamics of Coumarin 480 in TritonX-100 (TX-100) and Bile Salt Mixed Micelles

31. Solvation dynamics of Coumarin 480 in Bile salt-Cetyltrimethyl ammonium bromide (CTAB) and Bile salt-Tween 80 mixed micelles

30. Solvation dynamics of Coumarin 153 in aqueous and non-aqueous reverse micelles

29. Solvation dynamics of coumarin 480 in Neutral (TX-100), anionic (SDS), and cationic (CTAB) water–oil microemulsions

28. Dynamics of solvent relaxation in room temperature ionic liquids

27. Photoinduced intermolecular electron transfer between Coumarin dyes and electron donating solvents in cetyltrimethylammonium bromide (CTAB) micelles: evidence for Marcus inverted region

**2002**

26. Solvation dynamics of Coumarin 152A in methanol and acetonitrile reverse micelles.
25. Intramolecular Charge Transfer and Solvation Dynamics of Coumarin 152 in Aerosol-OT, Water-Solubilizing Reverse Micelles, and Polar Organic Solvent Solubilizing Reverse Micelles


24. Solvation dynamics of Coumarin 490 in methanol and acetonitrile reverse micelles


23. Effect of large magnetic fields on the fluorescence from the a state of gaseous thiophosgene


22. Intramolecular charge transfer processes and solvation dynamics of coumarin-490 in reverse micelles


21. Effects of large magnetic fields on radiationless transitions of gaseous excited molecules


20. Influence of large magnetic fields on fluorescence of gaseous CS$_2$ excited through several V bands


19. Vibronic relaxation of polyatomic molecules in non-polar solvent : Femtosecond anisotropy/ intensity measurements of the $S_a$ and $S_1$ fluorescence of tetracene


18. Dual emission of 2-(2’-hydroxy phenyl) benzimidazole (HPBI) in reverse micelle


16. Salt Effect on p-nitrophenol at the water surface: A surface second harmonic generation study


14. Effect of salt and solvent on the ionic solvation of p-toluidino naphthalene sulphonate

13. Solvation dynamics of Coumarin-480 in reverse micelles: Slow relaxation of water molecules,


11. Fluorescence Monitoring of the hydrophobic surface of dextrin using p-Toluidinonapthalenesulfonate

10. Excited State Intramolecular Proton Transfer (ESIPT) of 2-(2'-hydroxyphenyl) benzimidazole (HPBI) in micelles,
9. Effect of urea and Surfactant on p-nitrophenol at the water surface: A surface second harmonic generation study


8. Excited State Intramolecular Proton Transfer in 2-(2'-hydroxy phenyl) benzimidazole and -benzoxazole : Effect of rotamerism and hydrogen bonding


7. Salt Effect on the Hydrophobic binding of p-toluidino naphthalene sulphonate with cyclodextrins


6. Twisted Charge Transfer Processes of Nile Red in homogeneous solution and in Faujasite zeolite


5. Interaction of urea with fluorophores bound to protein surfaces


4. Excited-state intramolecular proton transfer and rotamerism of 2-(2'-hydroxy phenyl) benzimidazole


3. Non-radiative pathway of anilino-naphthalene sulphonates: twisted intramolecular charge transfer versus intersystem Crossing

2. Interaction of urea with fluorophores bound to cyclodextrins. Fluorescence of p-toluidino naphthalene sulphonate


1. Effect of urea on micelles: Fluorescence of p-toluidino naphthalene sulphonate