

Sudhir Kumar Das

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Ionic liquids based sustainable materials for versatile optoelectronic applications. , 2022, , 207-223.		0
2	Ionic liquids for sustainable energy-storage devices. , 2022, , 189-205.		0
3	Ionic Liquid-Based, Sustainable Wavelength-Shifting Materials for Energy Conversion: A Minireview. ChemistrySelect, 2022, 7, .	0.7	2
4	Reversible acidochromism of a benzoxazole based scaffold and construction of reconfigurable dual output molecular logic gates. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 278, 121310.	2.0	1
5	A phthalimide scaffold smart molecule for visualization of acid-base equilibrium and determination of acid dissociation constants in the non-aqueous medium. Journal of Molecular Liquids, 2022, 359, 119365.	2.3	6
6	Ionic Liquids based Acid-Base Indicators for Aqueous to the Non-Aqueous Medium: An Overview. ChemistrySelect, 2021, 6, 9164-9174.	0.7	2
7	FRET-Selective and Ion-Exchange Responsive Smart Nano-GUMBOS from Functionalized Pyrene: First Observation of Excited State Aggregation (Excimer) Inside Crystalline Nanoball. Journal of Physical Chemistry C, 2020, 124, 4791-4801.	1.5	12
8	Fabrication of a GUMBOS-based acid-base indicator: smart probe for sensing acids and bases in any solvent. Physical Chemistry Chemical Physics, 2020, 22, 28045-28054.	1.3	9
9	Triplet-sensitized photon upconversion in deep eutectic solvents. Physical Chemistry Chemical Physics, 2017, 19, 30603-30615.	1.3	27
10	Linking Diffusion-Viscosity Decoupling and Jump Dynamics in a Hydroxyl-Functionalized Ionic Liquid: Realization of Microheterogeneous Nature of the Medium. ChemPhysChem, 2017, 18, 198-207.	1.0	17
11	Studies on intramolecular electron transfer reaction in donor-spacer-acceptor systems in room-temperature ionic liquids. Journal of Molecular Liquids, 2016, 214, 24-31.	2.3	3
12	Investigation of the influence of alkyl side chain length on the fluorescence response of C153 in a series of room temperature ionic liquids. RSC Advances, 2015, 5, 41585-41594.	1.7	29
13	Probing solute-solvent interaction in 1-ethyl-3-methylimidazolium-based room temperature ionic liquids: A time-resolved fluorescence anisotropy study. Journal of Fluorescence, 2014, 24, 455-463.	1.3	8
14	Studies on electronic energy transfer (EET) on a series of room temperature ionic liquids (RTILs): can the EET studies on RTILs be exploited to predict their structural organization?. RSC Advances, 2014, 4, 39184.	1.7	8
15	Probing the aggregation behavior of 4-aminophthalimide and 4-(N,N-dimethyl) amino-N-methylphthalimide: a combined photophysical, crystallographic, microscopic and theoretical (DFT) study. Physical Chemistry Chemical Physics, 2014, 16, 18349.	1.3	22
16	Toward Understanding Solute-Solvent Interaction in Room-Temperature Mono- and Dicationic Ionic Liquids: A Combined Fluorescence Spectroscopy and Mass Spectrometry Analysis. Journal of Physical Chemistry B, 2014, 118, 1907-1915.	1.2	32
17	Analyte Interactions with a New Ditopic Dansylamide-Nitrobenzoxadiazole Dyad: A Combined Photophysical, NMR, and Theoretical (DFT) Study. Journal of Physical Chemistry B, 2014, 118, 9926-9937.	1.2	16
18	Fluorescence response of a dipolar organic solute in a dicationic ionic liquid (IL): is the behavior of dicationic IL different from that of usual monocationic IL?. Physical Chemistry Chemical Physics, 2014, 16, 12918-12928.	1.3	21

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19	Probing the Microscopic Aspects of 1-Butyl-3-Methylimidazolium Trifluoroacetate Ionic Liquid and Its Mixture with Water and Methanol: A Photophysical and Theoretical (DFT) Study. <i>Journal of Fluorescence</i> , 2013, 23, 1217-1227.	1.3	10
20	Diffusion-Viscosity Decoupling in Solute Rotation and Solvent Relaxation of Coumarin153 in Ionic Liquids Containing Fluoroalkylphosphate (FAP) Anion: A Thermophysical and Photophysical Study. <i>Journal of Physical Chemistry B</i> , 2013, 117, 636-647.	1.2	61
21	Synthesis, Photophysics, Live Cell Imaging, and Aggregation Behavior of Some Structurally Similar Alkyl Chain Containing Bromonaphthalimide Systems: Influence of Alkyl Chain Length on the Aggregation Behavior. <i>Journal of Physical Chemistry C</i> , 2013, 117, 14338-14347.	1.5	30
22	Rotational Dynamics of Coumarin-153 and 4-Aminophthalimide in 1-Ethyl-3-methylimidazolium Alkylsulfate Ionic Liquids: Effect of Alkyl Chain Length on the Rotational Dynamics. <i>Journal of Physical Chemistry B</i> , 2012, 116, 194-202.	1.2	64
23	Ion Interactions with a New Ditopic Naphthalimide-Based Receptor: A Photophysical, NMR and Theoretical (DFT) Study. <i>ChemPhysChem</i> , 2012, 13, 3882-3892.	1.0	13
24	Photophysical and density functional studies on the interaction of a new nitrobenzoxadiazole derivative with anions. <i>Chemical Physics Letters</i> , 2012, 546, 90-95.	1.2	9
25	Studies on the Solvation Dynamics of Coumarin 153 in 1-Ethyl-3-Methylimidazolium Alkylsulfate Ionic Liquids: Dependence on Alkyl Chain Length. <i>ChemPhysChem</i> , 2012, 13, 2761-2768.	1.0	37
26	Investigating the interaction of a nitrobenzoxadiazole derivative with metal ions: Photophysical and theoretical (DFT) study. <i>Chemical Physics Letters</i> , 2012, 528, 11-15.	1.2	7
27	Steady-state and time-resolved fluorescence behavior of coumarin-153 in a hydrophobic ionic liquid and ionic liquid-toluene mixture. <i>Journal of Molecular Liquids</i> , 2012, 165, 38-43.	2.3	25
28	Solvation and rotational relaxation of coumarin 153 in a new hydrophobic ionic liquid: An excitation wavelength dependence study. <i>Journal of Luminescence</i> , 2012, 132, 368-374.	1.5	19
29	Solvation and rotational relaxation of coumarin 153 and 4-aminophthalimide in a new hydrophobic ionic liquid: Role of Na ⁺ /F ⁻ interaction on solvation dynamics. <i>Chemical Physics Letters</i> , 2011, 515, 23-28.	1.2	27