Jagannath Kuchlyan

List of Publications by Year
in descending order

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39 papers	1,216 citations	279798 23 h-index	361022 35 g-index
39 all docs	39 docs citations	39 times ranked	1510 citing authors

#	Article	IF	Citations
1	Light-induced modulation of DNA recognition by the Rad4/XPC damage sensor protein. RSC Chemical Biology, 2021, 2, 523-536.	4.1	3
2	What Makes Thienoguanosine an Outstanding Fluorescent DNA Probe?. Journal of the American Chemical Society, 2020, 142, 16999-17014.	13.7	27
3	Deciphering the pH-dependence of ground- and excited-state equilibria of thienoguanine. Physical Chemistry Chemical Physics, 2020, 22, 7381-7391.	2.8	13
4	A new rhodamine derived fluorescent sensor: Detection of Hg 2+ at cellular level. Chemical Physics Letters, 2017, 673, 84-88.	2.6	16
5	Cholesterol Based Surface Active Ionic Liquid That Can Form Microemulsions and Spontaneous Vesicles. Langmuir, 2017, 33, 5891-5899.	3.5	29
6	Effect of viscosity on photoinduced electron transfer reaction: An observation of the Marcus inverted region in homogeneous solvents. Chemical Physics Letters, 2016, 660, 81-86.	2.6	2
7	Effect of the submicellar concentration of bile salts on structural alterations of Î²-casein micelles. RSC Advances, 2016, 6, 71989-71998.	3.6	9
8	Ionic liquids in microemulsions: Formulation and characterization. Current Opinion in Colloid and Interface Science, 2016, 25, 27-38.	7.4	58
9	Vesicles Formation by Zwitterionic Micelle and Poly-<scp>l</scp>-lysine: Solvation and Rotational Relaxation Study. Journal of Physical Chemistry B, 2015, 119, 8285-8292.	2.6	6
10	Spectroscopy and Fluorescence Lifetime Imaging Microscopy To Probe the Interaction of Bovine Serum Albumin with Graphene Oxide. Langmuir, 2015, 31, 13793-13801.	3.5	63
11	Stimuli-Sensitive Breathing of Cucurbit[7]uril Cavity: Monitoring through the Environment Responsive Fluorescence of 1â€²-Hydroxy-2â€²-acetonaphthone (HAN). Journal of Physical Chemistry B, 2015, 119, 2310-2322.	2.6	30
12	Picosecond solvation dynamicsâ€"A potential viewer of DMSOâ€"Water binary mixtures. Journal of Chemical Physics, 2015, 142, 054505.	3.0	34
13	How Does the Surface Charge of Ionic Surfactant and Cholesterol Forming Vesicles Control Rotational and Translational Motion of Rhodamine 6G Perchlorate (R6G ClO₄)?. Langmuir, 2015, 31, 2310-2320.	3.5	44
14	Modulation of the aggregation properties of sodium deoxycholate in presence of hydrophilic imidazolium based ionic liquid: water dynamics study to probe the structural alteration of the aggregates. Physical Chemistry Chemical Physics, 2015, 17, 25216-25227.	2.8	18
15	Graphene Oxide and Pluronic Copolymer Aggregatesâ€"Possible Route to Modulate the Adsorption of Fluorophores and Imaging of Live Cells. Journal of Physical Chemistry C, 2015, 119, 25023-25035.	3.1	25
16	How does bile salt penetration affect the self-assembled architecture of pluronic P123 micelles? â€" light scattering and spectroscopic investigations. Physical Chemistry Chemical Physics, 2015, 17, 19977-19990.	2.8	31
17	Excited-State Proton Transfer Dynamics of Fireflyâ€™s Chromophore <scp>D</scp>-Luciferin in DMSOâ€"Water Binary Mixture. Journal of Physical Chemistry B, 2014, 118, 13946-13953.	2.6	14
18	Effect of room temperature surface active ionic liquids on aggregated nanostructures of Î³-Cyclodextrins: A picosecond fluorescence spectroscopic study. Chemical Physics Letters, 2014, 601, 174-180.	2.6	5

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19	Effect of Confinement on Excited-State Proton Transfer of Fireflyâ€™s Chromophore <scp>d</scp>-Luciferin in AOT Reverse Micelles. Journal of Physical Chemistry B, 2014, 118, 3401-3408.	2.6	12
20	Spectroscopic investigation of the binding interactions of a membrane potential molecule in various supramolecular confined environments: contrasting behavior of surfactant molecules in relocation or release of the probe between nanocarriers and DNA surface. Physical Chemistry Chemical Physics, 2014, 16, 25024-25038.	2.8	24
21	Interaction of gold nanoclusters with IR light emitting cyanine dyes: a systematic fluorescence quenching study. Physical Chemistry Chemical Physics, 2014, 16, 17272.	2.8	16
22	Ultrafast FRET to Study Spontaneous Micelleâ€toâ€Vesicle Transitions in an Aqueous Mixed Surfaceâ€Active Ionicâ€Liquid System. ChemPhysChem, 2014, 15, 3544-3553.	2.1	26
23	Effect of Encapsulation of Curcumin in Polymeric Nanoparticles: How Efficient to Control ESIPT Process?. Langmuir, 2014, 30, 10834-10844.	3.5	43
24	Organic Additive, 5-Methylsalicylic Acid Induces Spontaneous Structural Transformation of Aqueous Pluronic Triblock Copolymer Solution: A Spectroscopic Investigation of Interaction of Curcumin with Pluronic Micellar and Vesicular Aggregates. Journal of Physical Chemistry B, 2014, 118, 11437-11448.	2.6	40
25	Unique Influence of Cholesterol on Modifying the Aggregation Behavior of Surfactant Assemblies: Investigation of Photophysical and Dynamical Properties of 2,2â€²-Bipyridine-3,3â€²-diol, BP(OH)₂ in Surfactant Micelles, and Surfactant/Cholesterol Forming Vesicles. Journal of Physical Chemistry B, 2014, 118, 9329-9340.	2.6	20
26	Interaction of fluorescence dyes with 5-fluorouracil: A photoinduced electron transfer study in bulk and biologically relevant water. Chemical Physics Letters, 2014, 613, 115-121.	2.6	0
27	Exploring the Photophysics of Curcumin in Zwitterionic Micellar System: An Approach to Control ESIPT Process in the Presence of Room Temperature Ionic Liquids (RTILs) and Anionic Surfactant. Journal of Physical Chemistry B, 2014, 118, 3669-3681.	2.6	33
28	Vesicles Formed in Aqueous Mixtures of Cholesterol and Imidazolium Surface Active Ionic Liquid: A Comparison with Common Cationic Surfactant by Water Dynamics. Journal of Physical Chemistry B, 2014, 118, 5913-5923.	2.6	54
29	Fluorescence Resonance Energy Transfer in Microemulsions Composed of Tripled-Chain Surface Active Ionic Liquids, RTILs, and Biological Solvent: An Excitation Wavelength Dependence Study. Journal of Physical Chemistry B, 2013, 117, 9508-9517.	2.6	28
30	Spontaneous Transition of Micelleâ€“Vesicleâ€“Micelle in a Mixture of Cationic Surfactant and Anionic Surfactant-like Ionic Liquid: A Pure Nonlipid Small Unilamellar Vesicular Template Used for Solvent and Rotational Relaxation Study. Langmuir, 2013, 29, 10066-10076.	3.5	90
31	A Novel Ionic Liquid-in-Oil Microemulsion Composed of Biologically Acceptable Components: An Excitation Wavelength Dependent Fluorescence Resonance Energy Transfer Study. Journal of Physical Chemistry B, 2013, 117, 3221-3231.	2.6	32
32	Unique Photophysical Behavior of 2,2â€²-Bipyridine-3,3â€²-diol in DMSOâ€“Water Binary Mixtures: Potential Application for Fluorescence Sensing of Zn²⁺ Based on the Inhibition of Excited-State Intramolecular Double Proton Transfer. Journal of Physical Chemistry B, 2013, 117, 12212-12223.	2.6	32
33	An Investigation into the Effect of the Structure of Bile Salt Aggregates on the Binding Interactions and ESIHT Dynamics of Curcumin: A Photophysical Approach To Probe Bile Salt Aggregates as a Potential Drug Carrier. Journal of Physical Chemistry B, 2013, 117, 13795-13807.	2.6	53
34	Is it possible to apply dynamics of solvent to locate metal nanoparticles inside an ionic liquids-containing microheterogeneous system? A comparative study. Chemical Physics Letters, 2013, 580, 88-93.	2.6	10
35	Unique Characteristics of Ionic Liquids Comprised of Long-Chain Cations and Anions: A New Physical Insight. Journal of Physical Chemistry B, 2013, 117, 3927-3934.	2.6	40
36	A Step toward the Development of High-Temperature Stable Ionic Liquid-in-Oil Microemulsions Containing Double-Chain Anionic Surface Active Ionic Liquid. Journal of Physical Chemistry B, 2013, 117, 7472-7480.	2.6	51

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37	Modulation of the Photophysical Properties of Curcumin in Nonionic Surfactant (Tween-20) Forming Micelles and Niosomes: A Comparative Study of Different Microenvironments. Journal of Physical Chemistry B, 2013, 117, 6957-6968.	2.6	114
38	Curcumin in Reverse Micelle: An Example to Control Excited-State Intramolecular Proton Transfer (ESIPT) in Confined Media. Journal of Physical Chemistry B, 2013, 117, 6906-6916.	2.6	48
39	Roles of Viscosity, Polarity, and Hydrogen-Bonding Ability of a Pyrrolidinium Ionic Liquid and Its Binary Mixtures in the Photophysics and Rotational Dynamics of the Potent Excited-State Intramolecular Proton-Transfer Probe 2,2â€²-Bipyridine-3,3â€²-diol. Journal of Physical Chemistry B, 2013, 117, 6789-6800.	2.6	23