## Manoj Kumbhakar

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Origin of Excitation Dependent Fluorescence in Carbon Nanodots. Journal of Physical Chemistry Letters, 2016, 7, 3695-3702.	4.6	267
2	Photophysical Properties of Coumarin-152 and Coumarin-481 Dyes:Â Unusual Behavior in Nonpolar and in Higher Polarity Solvents. Journal of Physical Chemistry A, 2003, 107, 4808-4816.	2.5	226
3	Molecular Origin and Self-Assembly of Fluorescent Carbon Nanodots in Polar Solvents. Journal of Physical Chemistry Letters, 2017, 8, 1044-1052.	4.6	186
4	Photophysical properties of coumarin-120: Unusual behavior in nonpolar solvents. Journal of Chemical Physics, 2003, 119, 443-452.	3.0	115
5	Solvation dynamics in triton-X-100 and triton-X-165 micelles: Effect of micellar size and hydration. Journal of Chemical Physics, 2004, 121, 6026-6033.	3.0	94
6	Role of Micellar Size and Hydration on Solvation Dynamics:Â A Temperature Dependent Study in Triton-X-100 and Brij-35 Micelles. Journal of Physical Chemistry B, 2004, 108, 19246-19254.	2.6	90
7	Intermolecular electron transfer between coumarin dyes and aromatic amines in Triton-X-100 micellar solutions: Evidence for Marcus inverted region. Journal of Chemical Physics, 2004, 120, 2824-2834.	3.0	82
8	Evidence for the TICT mediated nonradiative deexcitation process for the excited coumarin-1 dye in high polarity protic solvents. Chemical Physics, 2005, 315, 277-285.	1.9	74
9	Photoinduced intermolecular electron transfer from aromatic amines to coumarin dyes in sodium dodecyl sulphate micellar solutions. Journal of Chemical Physics, 2003, 119, 388-399.	3.0	72
10	Photophysical investigations of the solvent polarity effect on the properties of coumarin-6 dye. Chemical Physics Letters, 2005, 407, 114-118.	2.6	55
11	Time-Resolved Fluorescence and Small Angle Neutron Scattering Study in Pluronicsâ^'Surfactant Supramolecular Assemblies. Journal of Physical Chemistry B, 2010, 114, 3818-3826.	2.6	50
12	Microenvironment in the Corona Region of Triblock Copolymer Micelles:Â Temperature Dependent Solvation and Rotational Relaxation Dynamics of Coumarin Dyes. Journal of Physical Chemistry B, 2006, 110, 25646-25655.	2.6	47
13	Effect of micellar environment on Marcus correlation curves for photoinduced bimolecular electron transfer reactions. Journal of Chemical Physics, 2005, 123, 034705.	3.0	46
14	Nature of the Water Molecules in the Palisade Layer of a Triton X-100 Micelle in the Presence of Added Salts:Â A Solvation Dynamics Study. Journal of Physical Chemistry B, 2005, 109, 14168-14174.	2.6	45
15	Aggregation of Ionic Surfactants to Block Copolymer Assemblies:  A Simple Fluorescence Spectral Study. Journal of Physical Chemistry B, 2007, 111, 14250-14255.	2.6	44
16	Fluorescence Spectroscopic Investigation To Identify the Micelle to Gel Transition of Aqueous Triblock Copolymer Solutions. Journal of Physical Chemistry B, 2009, 113, 5117-5127.	2.6	38
17	Effects of Block Size of Pluronic Polymers on the Water Structure in the Corona Region and Its Effect on the Electron Transfer Reactions. Journal of Physical Chemistry B, 2008, 112, 6363-6372.	2.6	37
18	A Nanoreactor for Tuning the Chemical Reactivity of a Solute. Journal of Physical Chemistry B, 2008,	2.6	35

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19	Effect of Electrostatic Interaction on the Location of Molecular Probe in Polymerâ^'Surfactant Supramolecular Assembly: A Solvent Relaxation Study. Journal of Physical Chemistry B, 2008, 112, 7771-7777.	2.6	35
20	Ultrafast Electron Transfer Dynamics in Micellar Media Using Surfactant as the Intrinsic Electron Acceptor. Journal of Physical Chemistry B, 2010, 114, 10057-10065.	2.6	35
21	Compartmentalization of Reactants in Different Regions of Sodium 1,4-Bis(2-ethylhexyl)sulfosuccinate/Heptane/Water Reverse Micelles and Its Influence on Bimolecular Electron-Transfer Kinetics. Journal of Physical Chemistry B, 2007, 111, 8842-8853.	2.6	34
22	Tuning of Intermolecular Electron Transfer Reaction by Modulating the Microenvironment Inside Copolymerâ^'Surfactant Supramolecular Assemblies. Journal of Physical Chemistry B, 2011, 115, 1638-1651.	2.6	33
23	Effect of Lithium Chloride on the Palisade Layer of the Triton-X-100 Micelle:Â Two Sites for Lithium Ions as Revealed by Solvation and Rotational Dynamics Studies. Journal of Physical Chemistry B, 2005, 109, 18528-18534.	2.6	31
24	Ultrafast Bimolecular Electron Transfer Dynamics in Micellar Media. Journal of Physical Chemistry B, 2008, 112, 6646-6652.	2.6	31
25	Photon Antibunching Reveals Static and Dynamic Quenching Interaction of Tryptophan with Atto-655. Journal of Physical Chemistry Letters, 2017, 8, 5821-5826.	4.6	29
26	Roles of Diffusion and Activation Barrier on the Appearance of Marcus Inversion Behavior:  A Study of a Photoinduced Electron-Transfer Reaction in Aqueous Triblock Copolymer (P123) Micellar Solutions. Journal of Physical Chemistry B, 2007, 111, 7550-7560.	2.6	27
27	Influence of Confined Water on the Photophysics of Dissolved Solutes in Reverse Micelles. ChemPhysChem, 2009, 10, 2966-2978.	2.1	27
28	Effect of Ionic Surfactants on the Hydration Behavior of Triblock Copolymer Micelles:  A Solvation Dynamics Study of Coumarin 153. Journal of Physical Chemistry B, 2007, 111, 12154-12161.	2.6	26
29	Influence of Electrolytes on the Microenvironment of F127 Triblock Copolymer Micelles:  A Solvation and Rotational Dynamics Study of Coumarin Dyes. Journal of Physical Chemistry B, 2007, 111, 3935-3942.	2.6	25
30	Observation of the Marcus Inverted Region for Bimolecular Photoinduced Electron-Transfer Reactions in Viscous Media. Journal of Physical Chemistry B, 2014, 118, 10704-10715.	2.6	25
31	Marcus inversion in electron transfer reactions between coumarins and aliphatic amines in TX-100 micellar solution. Chemical Physics Letters, 2005, 410, 94-98.	2.6	24
32	Photoinduced bimolecular electron transfer kinetics in small unilamellar vesicles. Journal of Chemical Physics, 2007, 127, 194901.	3.0	23
33	Effect of sphere to rod transition on the probe microenvironment in sodium dodecyl sulphate micelles: A time resolved fluorescence anisotropy study. Journal of Photochemistry and Photobiology A: Chemistry, 2010, 209, 41-48.	3.9	23
34	Photoinduced electron transfer between quinones and amines in micellar media: Tuning the Marcus inversion region. Journal of Photochemistry and Photobiology A: Chemistry, 2008, 200, 270-276.	3.9	21
35	Kinetics and mechanism of bimolecular electron transfer reaction in quinone-amine systems in micellar solution. Journal of Chemical Physics, 2005, 122, 084512.	3.0	19
36	Effect of temperature on the dynamics of electron transfer in heterogeneous medium: Evidence for apparent Marcus inversion. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 182, 7-16.	3.9	15

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37	Photon Antibunching in Complex Intermolecular Fluorescence Quenching Kinetics. Journal of Physical Chemistry Letters, 2016, 7, 3137-3141.	4.6	13
38	Addition to "Molecular Origin and Self-Assembly of Fluorescent Carbon Nanodots in Polar Solvents― Journal of Physical Chemistry Letters, 2017, 8, 5861-5864.	4.6	13
39	Effect of added electrolytes, NaCl and LiCl, on the palisade layer water structure of Triton X-100 micelle: A fluorescence anisotropy study. Chemical Physics Letters, 2005, 413, 142-146.	2.6	11
40	Singleâ€Molecule Fluorescence Studies Reveal Longâ€Range Electronâ€Transfer Dynamics Through Doubleâ€Stranded DNA. ChemPhysChem, 2009, 10, 629-633.	2.1	7
41	Temperature Effect on the Fluorescence Anisotropy Decay Dynamics of Coumarin-153 Dye in Triton-X-100 and Brij-35 Micellar Solutions. Photochemistry and Photobiology, 2005, 81, 588-94.	2.5	7
42	Picosecond to Second Fluorescence Correlation Spectroscopy for Studying Solute Exchange and Quenching Dynamics in Micellar Media. Journal of Physical Chemistry Letters, 2021, 12, 7641-7649.	4.6	6
43	Reply to "Comment on â€~Observation of the Marcus Inverted Region for Bimolecular Photoinduced Electron-Transfer Reactions in Viscous Media'― Journal of Physical Chemistry B, 2016, 120, 9804-9809.	2.6	5
44	Toward Understanding the Binding Synergy of Trastuzumab and Pertuzumab to Human Epidermal Growth Factor Receptor 2. Molecular Pharmaceutics, 2021, 18, 4553-4563.	4.6	5
45	Investigations of the Solvent Polarity Effect on the Photophysical Properties of Coumarinâ€7 Dye <sup>¶</sup> . Photochemistry and Photobiology, 2005, 81, 270-278.	2.5	4
46	Determining Metal Ion Complexation Kinetics with Fluorescent Ligands by Using Fluorescence Correlation Spectroscopy. ChemPhysChem, 2019, 20, 2093-2102.	2.1	4
47	Binding Constant Determined from the Angstrom-Scale Change in Hydrodynamic Radius of Transferrin upon Binding with Europium Using Dual-Focus Fluorescence Correlation Spectroscopy. Journal of Physical Chemistry Letters, 2020, 11, 1148-1153.	4.6	1
48	Inter-molecular Interaction Kinetics: Tale of Photon Anti-bunching and Bunching in Fluorescence Correlation Spectroscopy (FCS). Methods and Applications in Fluorescence, 0, , .	2.3	1
49	Temperature Effect on the Fluroescence Anisotropy Decay Dynamics of Coumarinâ€153 Dye in Tritonâ€Xâ€100 and Brijâ€35 Miscellar Solutions <sup>¶</sup> . Photochemistry and Photobiology, 2005, 81, 588-594.	2.5	0