

Kankan Bhattacharyya

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5967024/publications.pdf>

Version: 2024-02-01

217
papers

10,254
citations

31902

53
h-index

45213

90
g-index

222
all docs

222
docs citations

222
times ranked

5303
citing authors

#	ARTICLE	IF	CITATIONS
1	Dielectric Relaxation and Solvation Dynamics of Water in Complex Chemical and Biological Systems. <i>Chemical Reviews</i> , 2000, 100, 2013-2046.	23.0	861
2	Solvation Dynamics and Proton Transfer in Supramolecular Assemblies. <i>Accounts of Chemical Research</i> , 2003, 36, 95-101.	7.6	446
3	Environmental and magnetic field effects on exciplex and twisted charge transfer emission. <i>Chemical Reviews</i> , 1993, 93, 507-535.	23.0	374
4	Slow Dynamics of Constrained Water in Complex Geometries. <i>Journal of Physical Chemistry A</i> , 2000, 104, 10603-10613.	1.1	360
5	Solvation Dynamics of Coumarin 480 in Reverse Micelles. Slow Relaxation of Water Molecules. <i>The Journal of Physical Chemistry</i> , 1996, 100, 10523-10527.	2.9	280
6	Solvation Dynamics of Coumarin 480 in Micelles. <i>The Journal of Physical Chemistry</i> , 1996, 100, 15483-15486.	2.9	252
7	Twisted charge transfer processes of Nile red in homogeneous solutions and in faujasite zeolite. <i>Langmuir</i> , 1994, 10, 326-329.	1.6	218
8	Intramolecular Charge Transfer Processes in Confined Systems. Nile Red in Reverse Micelles. <i>Journal of Physical Chemistry B</i> , 1997, 101, 10221-10225.	1.2	209
9	Nature of biological water: a femtosecond study. <i>Chemical Communications</i> , 2008, , 2848.	2.2	194
10	Femtosecond Solvation Dynamics in a Neat Ionic Liquid and Ionic Liquid Microemulsion: Excitation Wavelength Dependence. <i>Journal of Physical Chemistry B</i> , 2007, 111, 12809-12816.	1.2	147
11	Deuterium Isotope Effect on 4-Aminophthalimide in Neat Water and Reverse Micelles. <i>Journal of Physical Chemistry A</i> , 1997, 101, 3299-3304.	1.1	143
12	Excited-state intramolecular proton transfer and rotamerism of 2-(2-hydroxyphenyl) benzimidazole. <i>Chemical Physics Letters</i> , 1992, 198, 443-448.	1.2	119
13	Effect of cyclodextrine cavity size on twisted intramolecular charge transfer emission: Dimethylamino benzonitrile in β -cyclodextrine. <i>Chemical Physics Letters</i> , 1989, 157, 83-86.	1.2	109
14	Solvation Dynamics of DCM in Human Serum Albumin. <i>Journal of Physical Chemistry B</i> , 2001, 105, 1438-1441.	1.2	103
15	Excited state proton transfer of pyranine in a β -cyclodextrin cavity. <i>Chemical Physics Letters</i> , 2005, 412, 228-234.	1.2	103
16	Twisted intramolecular charge transfer emission of dimethylaminobenzonitrile in α -cyclodextrine cavities. <i>Chemical Physics Letters</i> , 1988, 151, 474-476.	1.2	97
17	Solvation Dynamics of DCM in Lipid. <i>Journal of Physical Chemistry B</i> , 2000, 104, 4529-4531.	1.2	93
18	Fluorescence Anisotropy Decay and Solvation Dynamics in a Nanocavity: Coumarin 153 in Methyl β -Cyclodextrins. <i>Journal of Physical Chemistry A</i> , 2005, 109, 9716-9722.	1.1	89

#	ARTICLE	IF	CITATIONS
19	Solvation Dynamics of Coumarin 480 in Vesicles. <i>Journal of Physical Chemistry B</i> , 1998, 102, 6114-6117.	1.2	88
20	Study of chemical reactions by surface second harmonic generation: p -Nitrophenol at the air-water interface. <i>Journal of Chemical Physics</i> , 1987, 87, 1442-1443.	1.2	82
21	Fluorescence Anisotropy Decay in Polymer-Surfactant Aggregates. <i>Journal of Physical Chemistry A</i> , 2001, 105, 7495-7500.	1.1	79
22	Solvation Dynamics of 4-Aminophthalimide in Water-in-Oil Microemulsion of Triton X-100 in Mixed Solvents. <i>Journal of Physical Chemistry B</i> , 1998, 102, 9070-9073.	1.2	78
23	Diffusion of Organic Dyes in Ionic Liquid and Giant Micron Sized Ionic Liquid Mixed Micelle: Fluorescence Correlation Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2011, 115, 7781-7787.	1.2	78
24	Energetics of adsorption of neutral and charged molecules at the air/water interface by second harmonic generation: Hydrophobic and solvation effects. <i>Journal of Chemical Physics</i> , 1991, 95, 1310-1315.	1.2	77
25	Solvation Dynamics in Aqueous Polymer Solution and in Polymer-Surfactant Aggregate. <i>Journal of Physical Chemistry B</i> , 2002, 106, 3763-3769.	1.2	76
26	Solvation dynamics of 4-aminophthalimide in dioxane-water mixture. <i>Chemical Physics Letters</i> , 2004, 384, 128-133.	1.2	76
27	A femtosecond study of excitation wavelength dependence of solvation dynamics in a PEO-PPO-PEO triblock copolymer micelle. <i>Journal of Chemical Physics</i> , 2006, 124, 204905.	1.2	76
28	Slow Solvation Dynamics at the Active Site of an Enzyme: Implications for Catalysis. <i>Biochemistry</i> , 2005, 44, 8940-8947.	1.2	75
29	Solvation dynamics of DCM in micelles. <i>Chemical Physics Letters</i> , 2000, 327, 91-96.	1.2	74
30	An FCS Study of Unfolding and Refolding of CPM-Labeled Human Serum Albumin: Role of Ionic Liquid. <i>Journal of Physical Chemistry B</i> , 2011, 115, 13075-13083.	1.2	74
31	Role of twisted intramolecular charge transfer in the fluorescence sensitivity of biological probes: Diethylaminocoumarin laser dyes. <i>Chemical Physics Letters</i> , 1990, 169, 12-16.	1.2	71
32	Solvation dynamics in organized assemblies, 4-aminophthalimide in micelles. <i>Journal of Molecular Liquids</i> , 1998, 77, 121-129.	2.3	70
33	Excited state proton transfer from pyranine to acetate in a CTAB micelle. <i>Chemical Physics Letters</i> , 2004, 399, 147-151.	1.2	70
34	Excited-State Proton Transfer of 1-Naphthol in Micelles. <i>Journal of Physical Chemistry A</i> , 1998, 102, 9710-9714.	1.1	69
35	Temperature dependence of solvation dynamics and anisotropy decay in a protein: ANS in bovine serum albumin. <i>Journal of Chemical Physics</i> , 2006, 124, 124909.	1.2	69
36	Acid-Base Equilibrium at an Aqueous Interface: pH Spectrometry by Heterodyne-Detected Electronic Sum Frequency Generation. <i>Journal of Physical Chemistry C</i> , 2011, 115, 4168-4173.	1.5	69

#	ARTICLE	IF	CITATIONS
37	Solvation Dynamics of Coumarin 480 in Sol ⁺ Gel Matrix. <i>Journal of Physical Chemistry B</i> , 2000, 104, 2613-2616.	1.2	68
38	Preferential targeting of i-motifs and G-quadruplexes by small molecules. <i>Chemical Science</i> , 2017, 8, 7448-7456.	3.7	65
39	Solvation Dynamics of a Probe Covalently Bound to a Protein and in an AOT Microemulsion: 4-(N-Bromoacetyl amino)-Phthalimide. <i>Journal of Physical Chemistry B</i> , 2002, 106, 10741-10747.	1.2	63
40	Temperature Dependence of Anisotropy Decay and Solvation Dynamics of Coumarin 153 in β -Cyclodextrin Aggregates. <i>Journal of Physical Chemistry A</i> , 2005, 109, 7359-7364.	1.1	63
41	Fluorescent Metal Nano-Clusters as Next Generation Fluorescent Probes for Cell Imaging and Drug Delivery. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 447-454.	2.0	63
42	Photophysical Processes of Ethidium Bromide in Micelles and Reverse Micelles. <i>Journal of Physical Chemistry B</i> , 1998, 102, 11017-11023.	1.2	61
43	Role of Ionic Liquid on the Conformational Dynamics in the Native, Molten Globule, and Unfolded States of Cytochrome C: A Fluorescence Correlation Spectroscopy Study. <i>Journal of Physical Chemistry B</i> , 2012, 116, 12189-12198.	1.2	61
44	Ultrafast FRET in a Room Temperature Ionic Liquid Microemulsion: A Femtosecond Excitation Wavelength Dependence Study. <i>Journal of Physical Chemistry A</i> , 2009, 113, 3737-3743.	1.1	60
45	Temperature dependence of the lifetimes of excited benzyl and other arylmethyl radicals. <i>Journal of the American Chemical Society</i> , 1986, 108, 4706-4710.	6.6	59
46	Femtosecond study of solvation dynamics of DCM in micelles. <i>Chemical Physics Letters</i> , 2002, 359, 77-82.	1.2	59
47	Study of protein-surfactant interaction using excited state proton transfer. <i>Chemical Physics Letters</i> , 2005, 404, 341-345.	1.2	59
48	Solvation dynamics of 4-(dicyanomethylene)-2-methyl-6-(p-dimethylaminostyryl)-4H-pyran (DCM) in a microemulsion. <i>Chemical Physics Letters</i> , 1999, 312, 178-184.	1.2	57
49	Photophysical Processes of Merocyanine 540 in Solutions and in Organized Media. <i>Journal of Physical Chemistry A</i> , 1999, 103, 8156-8159.	1.1	57
50	Slow Solvation Dynamics of Dimethylformamide in a Nanocavity. 4-Aminophthalimide in β -Cyclodextrin. <i>Journal of Physical Chemistry A</i> , 2001, 105, 10635-10639.	1.1	56
51	Solvation Dynamics in the Water Pool of an Aerosol-OT Microemulsion. Effect of Sodium Salicylate and Sodium Cholate. <i>Journal of Physical Chemistry B</i> , 2003, 107, 10815-10822.	1.2	56
52	Fluorescent Gold Nanocluster Inside a Live Breast Cell: Etching and Higher Uptake in Cancer Cell. <i>Journal of Physical Chemistry C</i> , 2014, 118, 22339-22346.	1.5	56
53	Study of Diffusion of Organic Dyes in a Triblock Copolymer Micelle and Gel by Fluorescence Correlation Spectroscopy. <i>Chemistry - an Asian Journal</i> , 2009, 4, 948-954.	1.7	53
54	Dual luminescence of dimethylaminobenzonitrile in β -cyclodextrin. Environmental effects on twisted intramolecular charge-transfer phenomenon. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1990, 86, 53-54.	1.7	50

#	ARTICLE	IF	CITATIONS
55	Photoisomerisation of diethyloxadicarbocyanine iodide in micelles. <i>Chemical Physics Letters</i> , 1998, 288, 793-798.	1.2	50
56	Excited-State Proton Transfer from Pyranine to Acetate in β -Cyclodextrin and Hydroxypropyl β -Cyclodextrin. <i>Journal of Physical Chemistry A</i> , 2006, 110, 13646-13652.	1.1	50
57	Solvation Dynamics in Bile Salt Aggregates. <i>Journal of Physical Chemistry B</i> , 2002, 106, 7745-7750.	1.2	49
58	Temperature dependence of solvation dynamics in a micelle. 4-Aminophthalimide in Triton X-100. <i>Chemical Physics Letters</i> , 2004, 385, 357-361.	1.2	49
59	Solvation Dynamics of Biological Water in a Single Live Cell under a Confocal Microscope. <i>Langmuir</i> , 2013, 29, 2289-2298.	1.6	49
60	Intermittent Fluorescence Oscillations in Lipid Droplets in a Live Normal and Lung Cancer Cell: Time-Resolved Confocal Microscopy. <i>Journal of Physical Chemistry B</i> , 2015, 119, 10868-10875.	1.2	48
61	Conformational relaxation in the excited electronic states of benzil and naphthyl. <i>Chemical Physics Letters</i> , 1980, 69, 134-140.	1.2	47
62	Excited State Proton Transfer as a Probe for Polymer-Surfactant Interaction. <i>Journal of Physical Chemistry B</i> , 2000, 104, 6128-6132.	1.2	47
63	Photoinduced electron transfer between dimethylaniline and oxazine 1 in micelles. <i>Chemical Physics</i> , 1999, 249, 63-71.	0.9	46
64	Solvation dynamics in a protein-surfactant complex. <i>Chemical Physics Letters</i> , 2003, 377, 229-235.	1.2	46
65	Ultrafast Electron Transfer in a Nanocavity. Dimethylaniline to Coumarin Dyes in Hydroxypropyl β -Cyclodextrin. <i>Journal of Physical Chemistry A</i> , 2006, 110, 13139-13144.	1.1	46
66	Diffusion of Organic Dyes in Immobilized and Free Catanionic Vesicles. <i>Journal of Physical Chemistry B</i> , 2010, 114, 15506-15511.	1.2	46
67	Fluorescence Monitoring of Polyacrylamide Hydrogel Using 4-Aminophthalimide. <i>Langmuir</i> , 1997, 13, 6922-6926.	1.6	45
68	Solvation Dynamics in the Molten Globule State of a Protein. <i>Journal of Physical Chemistry B</i> , 2003, 107, 14563-14568.	1.2	45
69	Ultrafast Fluorescence Resonance Energy Transfer in the Micelle and the Gel Phase of a PEO- <i>b</i> -PPO- <i>b</i> -PEO Triblock Copolymer: Excitation Wavelength Dependence. <i>Journal of Physical Chemistry B</i> , 2007, 111, 7085-7091.	1.2	45
70	Salt Effect on the Ultrafast Proton Transfer in Niosome. <i>Journal of Physical Chemistry B</i> , 2012, 116, 8105-8112.	1.2	44
71	Dynamics in Cytoplasm, Nucleus, and Lipid Droplet of a Live CHO Cell: Time-Resolved Confocal Microscopy. <i>Langmuir</i> , 2013, 29, 7975-7982.	1.6	44
72	Excited State Proton Transfer in the Lysosome of Live Lung Cells: Normal and Cancer Cells. <i>Journal of Physical Chemistry B</i> , 2015, 119, 2149-2156.	1.2	44

#	ARTICLE	IF	CITATIONS
73	Excitation wavelength dependence of solvation dynamics of coumarin 480 in a lipid vesicle. <i>Chemical Physics Letters</i> , 2005, 411, 339-344.	1.2	43
74	Ultrafast fluorescence resonance energy transfer in a reverse micelle: Excitation wavelength dependence. <i>Journal of Chemical Physics</i> , 2006, 125, 224710.	1.2	43
75	Excitation Wavelength Dependence of Solvation Dynamics in a Supramolecular Assembly: PEO- <i>b</i> -PPO- <i>b</i> -PEO Triblock Copolymer and SDS. <i>Journal of Physical Chemistry B</i> , 2007, 111, 5896-5902.	1.2	43
76	Ultrafast and ultraslow proton transfer of pyranine in an ionic liquid microemulsion. <i>Journal of Chemical Physics</i> , 2010, 132, 194505.	1.2	43
77	Photoisomerisation near a hydrophobic surface. Diethyloxadicarbocyanine iodide in a reverse micelle. <i>Chemical Physics Letters</i> , 1997, 278, 77-82.	1.2	42
78	Femtosecond Study of Partially Folded States of Cytochrome C by Solvation Dynamics. <i>Journal of Physical Chemistry B</i> , 2006, 110, 1056-1062.	1.2	42
79	Solvation Dynamics in Ionic Liquid Swollen P123 Triblock Copolymer Micelle: A Femtosecond Excitation Wavelength Dependence Study. <i>Journal of Physical Chemistry B</i> , 2008, 112, 6350-6357.	1.2	42
80	Ultrafast photoinduced electron transfer from dimethylaniline to coumarin dyes in sodium dodecyl sulfate and triton X-100 micelles. <i>Journal of Chemical Physics</i> , 2007, 126, 204708.	1.2	41
81	Small molecule regulated dynamic structural changes of human G-quadruplexes. <i>Chemical Science</i> , 2016, 7, 3279-3285.	3.7	41
82	Excitation Wavelength Dependence of Solvation Dynamics in a Water Pool of a Reversed Micelle. <i>Chemistry Letters</i> , 2004, 33, 1090-1091.	0.7	40
83	Excited State Proton Transfer in Ionic Liquid Mixed Micelles. <i>Journal of Physical Chemistry B</i> , 2010, 114, 13136-13142.	1.2	40
84	Probing micro-environment of lipid droplets in a live breast cell: MCF7 and MCF10A. <i>Chemical Physics Letters</i> , 2017, 670, 27-31.	1.2	40
85	Cancer Cell Imaging Using in Situ Generated Gold Nanoclusters. <i>ChemPhysChem</i> , 2016, 17, 61-68.	1.0	39
86	Structure, Activity, and Dynamics of Human Serum Albumin in a Crowded Pluronic F127 Hydrogel. <i>Journal of Physical Chemistry B</i> , 2019, 123, 3397-3408.	1.2	39
87	Effect of urea on micelles: fluorescence of p-toluidino naphthalene sulphonate. <i>Chemical Physics Letters</i> , 1991, 180, 283-286.	1.2	38
88	A Fluorescence Spectroscopic and Molecular Dynamics Study of bis-ANS/Protein Interaction. <i>Journal of Biomolecular Structure and Dynamics</i> , 1998, 15, 959-966.	2.0	38
89	A Fluorescence Correlation Spectroscopy Study of the Diffusion of an Organic Dye in the Gel Phase and Fluid Phase of a Single Lipid Vesicle. <i>Journal of Physical Chemistry B</i> , 2010, 114, 5736-5741.	1.2	38
90	Structure and dynamics of lysozyme in DMSO-water binary mixture: fluorescence correlation spectroscopy. <i>RSC Advances</i> , 2014, 4, 14378.	1.7	38

#	ARTICLE	IF	CITATIONS
91	Ionic liquid induced dehydration and domain closure in lysozyme: FCS and MD simulation. <i>Journal of Chemical Physics</i> , 2015, 143, 125103.	1.2	38
92	Solvation dynamics in a solid host. Coumarin 480 in zeolite 13X. <i>Chemical Physics Letters</i> , 1996, 249, 323-328.	1.2	37
93	Effect of pressure on the critical micelle concentration of neutral surfactant using fluorescence probe method. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1999, 124, 159-162.	2.0	36
94	Interaction of Triton X-100 with cyclodextrins. A fluorescence study. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1998, 94, 3471-3475.	1.7	35
95	Excitation Wavelength Dependence of Solvation Dynamics in a Gel. (PEO) ₂₀ -(PPO) ₇₀ -(PEO) ₂₀ Triblock Copolymer. <i>Journal of Physical Chemistry C</i> , 2007, 111, 8775-8780.	1.5	35
96	Ultrafast FRET in Ionic Liquid-P123 Mixed Micelles: Region and Counterion Dependence. <i>Journal of Physical Chemistry B</i> , 2010, 114, 13159-13166.	1.2	35
97	Solvation Dynamics under a Microscope: Single Giant Lipid Vesicle. <i>Langmuir</i> , 2012, 28, 10230-10237.	1.6	35
98	Solvation Dynamics in the Water Pool of Aerosol Sodium Dioctylsulfosuccinate Microemulsion: Effect of Polymer. <i>Journal of Physical Chemistry A</i> , 2002, 106, 6017-6023.	1.1	34
99	Femtosecond Solvation Dynamics in a Micron-Sized Aggregate of an Ionic Liquid and P123 Triblock Copolymer. <i>Journal of Physical Chemistry B</i> , 2009, 113, 959-965.	1.2	34
100	FRET between a donor and an acceptor covalently bound to human serum albumin in native and non-native states. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 16286.	1.3	34
101	Effect of ethanol-water mixture on the structure and dynamics of lysozyme: A fluorescence correlation spectroscopy study. <i>Journal of Chemical Physics</i> , 2014, 140, 115105.	1.2	34
102	Effect of solvent polarity on the yield of twisted intramolecular charge transfer (TICT) emission. Competition between formation and nonradiative decay of the TICT state. <i>Chemical Physics Letters</i> , 1989, 160, 257-260.	1.2	33
103	Ultrafast Dynamics in Biological Systems and in Nano-Confined Environments. <i>Bulletin of the Chemical Society of Japan</i> , 2007, 80, 1033-1043.	2.0	33
104	Ultrafast Singlet-Singlet Energy Transfer between an Acceptor Electrostatically Attached to the Walls of an Organic Capsule and the Enclosed Donor. <i>Journal of Physical Chemistry C</i> , 2011, 115, 9593-9600.	1.5	33
105	Effect of ionic liquid on the native and denatured state of a protein covalently attached to a probe: Solvation dynamics study. <i>Journal of Chemical Physics</i> , 2012, 137, 055104.	1.2	33
106	Confocal microscopy of cytoplasmic lipid droplets in a live cancer cell: number, polarity, diffusion and solvation dynamics. <i>MedChemComm</i> , 2014, 5, 536.	3.5	33
107	Selective Killing of Breast Cancer Cells by Doxorubicin-Loaded Fluorescent Gold Nanoclusters: Confocal Microscopy and FRET. <i>ChemPhysChem</i> , 2016, 17, 253-259.	1.0	32
108	Solvation dynamics in DMPC vesicle in the presence of a protein. <i>Chemical Physics Letters</i> , 2003, 382, 426-433.	1.2	31

#	ARTICLE	IF	CITATIONS
109	Solvation Dynamics of a Protein in the Pre Molten Globule State. <i>Journal of Physical Chemistry B</i> , 2006, 110, 21210-21215.	1.2	31
110	Study of β -Cyclodextrin Host-Guest Complex and Nanotube Aggregate by Fluorescence Correlation Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2011, 115, 10456-10461.	1.2	31
111	A Femtosecond Study of Excitation Wavelength Dependence of a Triblock Copolymer-Surfactant Supramolecular Assembly: (PEO) ₂₀ (PPO) ₇₀ (PEO) ₂₀ and CTAC. <i>Journal of Physical Chemistry B</i> , 2008, 112, 5020-5026.	1.2	30
112	Deuterium Isotope Effect on Femtosecond Solvation Dynamics in an Ionic Liquid Microemulsion: An Excitation Wavelength Dependence Study. <i>Journal of Physical Chemistry B</i> , 2010, 114, 4565-4571.	1.2	30
113	Interaction of urea with fluorophores bound to cyclodextrins. Fluorescence of p-toluidino naphthalene sulphonate. <i>Chemical Physics Letters</i> , 1992, 196, 491-496.	1.2	28
114	Ultrafast Proton Transfer of Pyranine in a Supramolecular Assembly: PEO-PPO-PEO Triblock Copolymer and CTAC. <i>Journal of Physical Chemistry B</i> , 2007, 111, 13504-13510.	1.2	28
115	Marcus-like Inversion in Electron Transfer in Neat Ionic Liquid and Ionic Liquid-Mixed Micelles. <i>Journal of Physical Chemistry B</i> , 2011, 115, 4680-4688.	1.2	28
116	Heterogeneity in binary mixtures of dimethyl sulfoxide and glycerol: Fluorescence correlation spectroscopy. <i>Journal of Chemical Physics</i> , 2013, 138, 214507.	1.2	28
117	Non-radiative pathways of anilino-naphthalene sulphonates: Twisted intramolecular charge transfer versus intersystem crossing. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1992, 48, 1701-1705.	0.1	27
118	Interaction of proteins with ionic liquid, alcohol and DMSO and in situ generation of gold nano-clusters in a cell. <i>Biophysical Reviews</i> , 2018, 10, 757-768.	1.5	27
119	Excited State Proton Transfer of 1-Naphthol in a Hydroxypropylcellulose/Sodium Dodecyl Sulfate System. <i>Langmuir</i> , 2002, 18, 7867-7871.	1.6	25
120	Effect of alcohol on the structure of cytochrome C: FCS and molecular dynamics simulations. <i>Journal of Chemical Physics</i> , 2016, 145, 235102.	1.2	25
121	Deciphering the evolution of supramolecular nanofibers in solution and solid-state: a combined microscopic and spectroscopic approach. <i>Chemical Science</i> , 2021, 12, 5874-5882.	3.7	25
122	Solvation dynamics of TNS in polymer (PEG)-surfactant (SDS) aggregate. <i>Chemical Physics Letters</i> , 2002, 359, 15-21.	1.2	24
123	Fluorescence Dynamics in the Endoplasmic Reticulum of a Live Cell: Time-Resolved Confocal Microscopy. <i>ChemPhysChem</i> , 2016, 17, 2818-2823.	1.0	24
124	Solvent shift and excited state geometries of benzil. <i>Journal of Photochemistry and Photobiology</i> , 1986, 33, 61-65.	0.6	23
125	Intramolecular Charge Transfer near a Hydrophobic Surface. 2,6-p-Toluidinonaphthalene Sulfonate in a Reverse Micelle. <i>Analytical Sciences</i> , 1998, 14, 199-202.	0.8	23
126	Study of organized and biological systems using an ultrafast laser. <i>International Reviews in Physical Chemistry</i> , 2007, 26, 421-448.	0.9	23

#	ARTICLE	IF	CITATIONS
127	Effect of an Ionic liquid on the Unfolding of Human Serum Albumin: A Fluorescence Correlation Spectroscopy Study. <i>ChemPhysChem</i> , 2012, 13, 1949-1955.	1.0	23
128	In what time scale proton transfer takes place in a live CHO cell?. <i>Journal of Chemical Physics</i> , 2013, 138, 215102.	1.2	23
129	Solvation dynamics in a microemulsion in near-critical propane. <i>Chemical Physics Letters</i> , 2002, 361, 136-142.	1.2	22
130	Solvation Dynamics of DCM in a DPPC Vesicle Entrapped in a Sodium Silicate Derived SolâGel Matrix. <i>Journal of Physical Chemistry B</i> , 2005, 109, 3319-3323.	1.2	22
131	Solvation Dynamics and Intermittent Oscillation of Cell Membrane: Live Chinese Hamster Ovary Cell. <i>Journal of Physical Chemistry B</i> , 2014, 118, 2949-2956.	1.2	22
132	Excited-state proton transfer from pyranine to acetate in methanol. <i>Journal of Chemical Sciences</i> , 2007, 119, 71-76.	0.7	21
133	Ultrafast photoinduced electron transfer in the micelle and the gel phase of a PEO-PPO-PEO triblock copolymer. <i>Journal of Chemical Physics</i> , 2008, 128, 164505.	1.2	21
134	Fluorescence enhancement of p-toluidino naphthalenesulphonate in a micellar environment. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1989, 47, 97-102.	2.0	20
135	Salt effect on the hydrophobic binding of p-toluidino naphthalene sulphonate with cyclodextrins. <i>Chemical Physics Letters</i> , 1994, 218, 492-498.	1.2	20
136	Solvation Dynamics of DCM in Dipalmitoyl Phosphatidylcholine Lipid. <i>Tetrahedron</i> , 2000, 56, 6999-7002.	1.0	20
137	Solvation dynamics in a proteinâsurfactant aggregate. TNS in HSAâSDS. <i>Chemical Physics Letters</i> , 2003, 379, 471-478.	1.2	20
138	Hydration dynamics of 4-aminophthalimide in a substituted Î²-cyclodextrin nanocavity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 173, 334-339.	2.0	20
139	Femtosecond Solvation Dynamics in Different Regions of a Bile Salt Aggregate:â Excitation Wavelength Dependence. <i>Journal of Physical Chemistry B</i> , 2008, 112, 3575-3580.	1.2	20
140	Spectral mapping of 3D multi-cellular tumor spheroids: time-resolved confocal microscopy. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 18381-18390.	1.3	20
141	CytochromeâCapped Fluorescent Gold Nanoclusters: Imaging of Live Cells and Delivery of CytochromeâC. <i>ChemPhysChem</i> , 2016, 17, 2088-2095.	1.0	20
142	Interaction of urea with fluorophores bound to protein surfaces. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1993, 89, 1959.	1.7	19
143	Solvation Dynamics of DCM in a PolypeptideâSurfactant Aggregate:â GelatinâSodium Dodecyl Sulfate. <i>Langmuir</i> , 2004, 20, 653-657.	1.6	19
144	Room-Temperature Ionic Liquid: A Nanostructured Liquid for High-Vacuum and High-Energy Applications. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 3254-3255.	2.1	19

#	ARTICLE	IF	CITATIONS
145	Diffusion of organic dyes in a niosome immobilized on a glass surface using fluorescence correlation spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 9749.	1.3	19
146	Live Cell Microscopy: A Physical Chemistry Approach. <i>Journal of Physical Chemistry B</i> , 2018, 122, 3023-3036.	1.2	19
147	Solvation Dynamics in Dimyristoyl-Phosphatidylcholine Entrapped Inside a Sol [~] Gel Matrix. <i>Journal of Physical Chemistry B</i> , 2004, 108, 2309-2312.	1.2	18
148	Structural relaxation of acridine orange dimer in bulk water and inside a single live lung cell. <i>Journal of Chemical Physics</i> , 2016, 144, 065101.	1.2	18
149	Enzyme activity of Î±-chymotrypsin: Deactivation by gold nano-cluster and reactivation by glutathione. <i>Journal of Colloid and Interface Science</i> , 2017, 494, 74-81.	5.0	18
150	Photochemical transformations of 1-imidazolyl-1,2-dibenzoylalkenes. Steady-state and laser flash photolysis investigations. <i>Journal of Organic Chemistry</i> , 1986, 51, 3420-3428.	1.7	17
151	Unfolding and refolding of a protein by cholesterol and cyclodextrin: a single molecule study. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 8017-8027.	1.3	17
152	Fluorescence from relaxed and unrelaxed excited state of benzil. <i>Journal of Luminescence</i> , 1980, 22, 95-101.	1.5	16
153	Study of interaction of a cationic protein with a cationic surfactant using solvation dynamics. <i>Chemical Physics Letters</i> , 2005, 413, 484-489.	1.2	15
154	Role of Red-Ox Cycle in Structural Oscillations and Solvation Dynamics in the Mitochondria of a Live Cell. <i>Journal of Physical Chemistry B</i> , 2015, 119, 8842-8851.	1.2	15
155	Amyloid beta peptides inside a reconstituted cell-like liposomal system: aggregation, FRET, fluorescence oscillations and solvation dynamics. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 30444-30451.	1.3	15
156	Role of electronic symmetry of stark components in non-radiative relaxation in Eu ³⁺ in Eu diglycolate. <i>Chemical Physics Letters</i> , 1981, 77, 422-426.	1.2	14
157	Study of Solvation Dynamics in an Ormosil:â€‰CTAB in a Sol [~] Gel Matrix. <i>Journal of Physical Chemistry B</i> , 2004, 108, 11971-11975.	1.2	14
158	Deuterium isotope effect on femtosecond solvation dynamics in methyl Î²-cyclodextrins. <i>Journal of Chemical Physics</i> , 2009, 131, 044509.	1.2	14
159	Time Evolution of Local pH Around a Photoâ€‰Acid in Water and a Polymer Hydrogel: Time Resolved Fluorescence Spectroscopy of Pyranine. <i>ChemPhysChem</i> , 2019, 20, 3221-3227.	1.0	14
160	Probing Viscosity of Coâ€‰Polymer Hydrogel and HeLa Cell Using Fluorescent Gold Nanoclusters: Fluorescence Correlation Spectroscopy and Anisotropy Decay. <i>ChemPhysChem</i> , 2020, 21, 406-414.	1.0	14
161	Study of Organized Media Using Time-Resolved Fluorescence Spectroscopy. <i>Journal of Fluorescence</i> , 2001, 11, 167-176.	1.3	13
162	Hydration dynamics of a protein in the presence of urea and sodium dodecyl sulfate. <i>Chemical Physics Letters</i> , 2004, 395, 58-63.	1.2	13

#	ARTICLE	IF	CITATIONS
163	Ultrafast fluorescence resonance energy transfer in a bile salt aggregate: Excitation wavelength dependence. <i>Journal of Chemical Sciences</i> , 2008, 120, 15-23.	0.7	13
164	Dynamics of Gene Silencing in a Live Cell: Stochastic Resonance. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 1012-1016.	2.1	13
165	Fluorescence fluctuation of an antigen-antibody complex: circular dichroism, FCS and smFRET of enhanced GFP and its antibody. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 25250-25259.	1.3	13
166	Fluorescence monitoring of the hydrophobic surface of dextrin using p-toluidinonaphthalenesulfonate. <i>Langmuir</i> , 1995, 11, 2410-2413.	1.6	12
167	Dual emission of 2-(2-hydroxyphenyl)-benzimidazole in reverse micelle. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1997, 109, 259-265.	2.0	12
168	Ultrafast chemistry in complex and confined systems. <i>Journal of Chemical Sciences</i> , 2004, 116, 5-16.	0.7	12
169	Slow solvation dynamics of 4-AP and DCM in binary mixtures. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 172, 180-184.	2.0	11
170	On the origin of the anomalous ultraslow solvation dynamics in heterogeneous environments. <i>Journal of Chemical Sciences</i> , 2007, 119, 113-121.	0.7	11
171	Probing Deuterium Isotope Effect on Structure and Solvation Dynamics of Human Serum Albumin. <i>ChemPhysChem</i> , 2011, 12, 814-822.	1.0	11
172	Direct observation of the growth and shrinkage of microtubules by single molecule Förster resonance energy transfer. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 6687-6690.	1.3	11
173	Local environment of organic dyes in an ionic liquid-water mixture: FCS and MD simulation. <i>Journal of Chemical Physics</i> , 2018, 149, 054501.	1.2	11
174	Photoisomerization of Diethyloxadicarbocyanine Iodide in Dna and Protein#. <i>Research on Chemical Intermediates</i> , 1999, 25, 685-693.	1.3	10
175	Solvation dynamics of 4-aminophthalimide in a polymer (PVP)-surfactant (SDS) aggregate. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 4875-4879.	1.3	10
176	A Femtosecond Study of Solvation Dynamics and Anisotropy Decay in a Catanionic Vesicle: Excitation Wavelength Dependence. <i>ChemPhysChem</i> , 2008, 9, 2848-2855.	1.0	10
177	Physical chemistry in a single live cell: confocal microscopy. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 12620-12627.	1.3	10
178	An intrinsically disordered protein in F127 hydrogel: Fluorescence correlation spectroscopy and structural diversity of beta casein. <i>Chemical Physics Letters</i> , 2021, 762, 138105.	1.2	10
179	Intramolecular charge transfer processes in restricted environments. <i>Journal of Molecular Liquids</i> , 1993, 57, 115-125.	2.3	9
180	Effect of urea and surfactant on p-nitrophenol at the water surface: a surface second-harmonic generation study. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995, 91, 1769.	1.7	9

#	ARTICLE	IF	CITATIONS
181	Effect of NaCl on ESPT-mediated FRET in a CTAC Micelle: A Femtosecond and FCS Study. <i>ChemPhysChem</i> , 2013, 14, 788-796.	1.0	9
182	Salt effect on p-nitrophenol at the water surface: a surface second harmonic generation study. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 4993.	1.7	8
183	Effect of Ionic Liquid on Diffusion in P123 Gel: Fluorescence Correlation Spectroscopy. <i>ChemPhysChem</i> , 2012, 13, 1942-1948.	1.0	8
184	Single-molecule Spectroscopy: Exploring Heterogeneity in Chemical and Biological Systems. <i>Chemical Record</i> , 2016, 16, 601-613.	2.9	8
185	Biological oscillations: Fluorescence monitoring by confocal microscopy. <i>Chemical Physics Letters</i> , 2016, 660, 1-10.	1.2	8
186	Differential role of nonmuscle myosin II isoforms during blebbing of MCF-7 cells. <i>Molecular Biology of the Cell</i> , 2017, 28, 1034-1042.	0.9	7
187	Specific ion effects on F127 hydrogel: FCS, anisotropy and solvation dynamics. <i>Chemical Physics Letters</i> , 2019, 735, 136754.	1.2	7
188	Level splitting in double molecules. <i>Chemical Physics Letters</i> , 1981, 83, 259-264.	1.2	5
189	Solvation dynamics in a worm-like CTAB micelle. <i>Research on Chemical Intermediates</i> , 2005, 31, 135-144.	1.3	5
190	Solvation Dynamics in Biological Systems and Organized Assemblies. <i>Journal of the Chinese Chemical Society</i> , 2006, 53, 169-180.	0.8	5
191	Spatial inhomogeneity in spectra and exciton dynamics in porphyrin micro-rods and micro-brushes: Confocal microscopy. <i>Journal of Chemical Sciences</i> , 2016, 128, 1717-1724.	0.7	5
192	Effect of salt and solvents on the ionic solvation of p-toluidinonaphthalene sulfonate. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 3097.	1.7	4
193	Split-ubiquitin yeast two-hybrid interaction reveals a novel interaction between a natural resistance associated macrophage protein and a membrane bound thioredoxin in <i>Brassica juncea</i> . <i>Plant Molecular Biology</i> , 2016, 92, 519-537.	2.0	4
194	Probing Deviation of Adhered Membrane Dynamics between Reconstituted Liposome and Cellular System. <i>Chemistry - an Asian Journal</i> , 2019, 14, 4616-4624.	1.7	4
195	Reassignment of the electronic states of the trans dimer of acenaphthylene. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1986, 42, 43-45.	0.1	3
196	Study of partially folded states of cytochrome C by solvation dynamics. <i>Journal of Molecular Liquids</i> , 2006, 124, 128-135.	2.3	3
197	Size and Structure of Cytochrome-c bound to Gold nano-clusters: Effect of Ethanol. <i>Journal of Chemical Sciences</i> , 2017, 129, 841-847.	0.7	3
198	Ionic Liquid: Complexity in Structure and Dynamics, Interaction with Proteins and In Situ Generation of Metal Nano-clusters for Live Cell Imaging. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2018, 88, 425-430.	0.8	3

#	ARTICLE	IF	CITATIONS
199	Isomerization and fluorescence depolarization of merocyanine 540 in polyacrylic acid. Effect of pH. Journal of Chemical Sciences, 2002, 114, 501-511.	0.7	2
200	Photoisomerization of merocyanine 540 in polymer-surfactant aggregate. Journal of Chemical Sciences, 2002, 114, 83-91.	0.7	2
201	Fluorescence Probing of Fluctuating Microtubule using a Covalent Fluorescent Probe: Effect of Taxol. ChemistrySelect, 2016, 1, 1841-1847.	0.7	2
202	“New Physical Chemistry Insight” in Experimental Bio-Physical Chemistry. Journal of Physical Chemistry B, 2017, 121, 6455-6455.	1.2	2
203	Probing the conformational dynamics of photosystem I in unconfined and confined spaces. Physical Chemistry Chemical Physics, 2018, 20, 449-455.	1.3	2
204	The <i>JPC</i> Periodic Table. Journal of Physical Chemistry A, 2019, 123, 5837-5848.	1.1	2
205	The <i>JPC</i> Periodic Table. Journal of Physical Chemistry Letters, 2019, 10, 4051-4062.	2.1	2
206	Single-molecule spectroscopy. Resonance, 2015, 20, 151-164.	0.2	1
207	Structural Oscillations of Non-“muscle Myosin II” C2: Time Resolved Confocal Microscopy. ChemistrySelect, 2017, 2, 953-958.	0.7	1
208	The <i>JPC</i> Periodic Table. Journal of Physical Chemistry B, 2019, 123, 5973-5984.	1.2	1
209	The <i>JPC</i> Periodic Table. Journal of Physical Chemistry C, 2019, 123, 17063-17074.	1.5	1
210	Self-Assembly of Antimitotic Peptide at Membranes: Computational and Experimental Investigation. ACS Omega, 2019, 4, 745-754.	1.6	1
211	Time-dependent enhancement of fluorescence from Rhodobacter capsulatus SB1003 and its critical dependence on concentration temperature and static magnetic field. Journal of Biological Physics, 2020, 46, 151-167.	0.7	1
212	Of Molecules, Time, and Space Resolution: An Autobiography of Kankan Bhattacharyya. Journal of Physical Chemistry B, 2022, 126, 3464-3469.	1.2	1
213	Indian association for the cultivation of science. Resonance, 1998, 3, 92-94.	0.2	0
214	Jiggling of Coherent Excitons along a Polymer Chain. ChemPhysChem, 2009, 10, 1981-1982.	1.0	0
215	ACS on Campus in India - 2013. Journal of Physical Chemistry Letters, 2014, 5, 495-495.	2.1	0
216	Ahmed Zewail. Resonance, 2018, 23, 633-640.	0.2	0

#	ARTICLE	IF	CITATIONS
217	Classics. Resonance, 2018, 23, 713-716.	0.2	0