

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

31976
53
h-index

45317
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. Chemical Reviews, 2000, 100, 2013-2046.	47.7	861
2	Solvation Dynamics and Proton Transfer in Supramolecular Assemblies. Accounts of Chemical Research, 2003, 36, 95-101.	15.6	446
3	Environmental and magnetic field effects on exciplex and twisted charge transfer emission. Chemical Reviews, 1993, 93, 507-535.	47.7	374
4	Slow Dynamics of Constrained Water in Complex Geometries. Journal of Physical Chemistry A, 2000, 104, 10603-10613.	2.5	360
5	Solvation Dynamics of Coumarin 480 in Reverse Micelles. Slow Relaxation of Water Molecules. The Journal of Physical Chemistry, 1996, 100, 10523-10527.	2.9	280
6	Solvation Dynamics of Coumarin 480 in Micelles. The Journal of Physical Chemistry, 1996, 100, 15483-15486.	2.9	252
7	Twisted charge transfer processes of nile red in homogeneous solutions and in faujasite zeolite. Langmuir, 1994, 10, 326-329.	3.5	218
8	Intramolecular Charge Transfer Processes in Confined Systems. Nile Red in Reverse Micelles. Journal of Physical Chemistry B, 1997, 101, 10221-10225.	2.6	209
9	Nature of biological water: a femtosecond study. Chemical Communications, 2008, , 2848.	4.1	194
10	Femtosecond Solvation Dynamics in a Neat Ionic Liquid and Ionic Liquid Microemulsion: Excitation Wavelength Dependence. Journal of Physical Chemistry B, 2007, 111, 12809-12816.	2.6	147
11	Deuterium Isotope Effect on 4-Aminophthalimide in Neat Water and Reverse Micelles. Journal of Physical Chemistry A, 1997, 101, 3299-3304.	2.5	143
12	Excited-state intramolecular proton transfer and rotamerism of 2-(2-hydroxyphenyl) benzimidazole. Chemical Physics Letters, 1992, 198, 443-448.	2.6	119
13	Effect of cyclodextrine cavity size on twisted intramolecular charge transfer emission: Dimethylamino benzonitrile in β -cyclodextrine. Chemical Physics Letters, 1989, 157, 83-86.	2.6	109
14	Solvation Dynamics of DCM in Human Serum Albumin. Journal of Physical Chemistry B, 2001, 105, 1438-1441.	2.6	103
15	Excited state proton transfer of pyranine in a β -cyclodextrin cavity. Chemical Physics Letters, 2005, 412, 228-234.	2.6	103
16	Twisted intramolecular charge transfer emission of dimethylaminobenzonitrile in α -cyclodextrine cavities. Chemical Physics Letters, 1988, 151, 474-476.	2.6	97
17	Solvation Dynamics of DCM in Lipid. Journal of Physical Chemistry B, 2000, 104, 4529-4531.	2.6	93
18	Fluorescence Anisotropy Decay and Solvation Dynamics in a Nanocavity: Coumarin 153 in Methyl β -Cyclodextrins. Journal of Physical Chemistry A, 2005, 109, 9716-9722.	2.5	89

#	ARTICLE	IF	CITATIONS
19	Solvation Dynamics of Coumarin 480 in Vesicles. <i>Journal of Physical Chemistry B</i> , 1998, 102, 6114-6117.	2.6	88
20	Study of chemical reactions by surface second harmonic generation: <i>p</i> -Nitrophenol at the air/water interface. <i>Journal of Chemical Physics</i> , 1987, 87, 1442-1443.	3.0	82
21	Fluorescence Anisotropy Decay in Polymer-Surfactant Aggregates. <i>Journal of Physical Chemistry A</i> , 2001, 105, 7495-7500.	2.5	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.	2.6	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.	2.6	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.	3.0	77
25	Solvation Dynamics in Aqueous Polymer Solution and in Polymer-Surfactant Aggregate. <i>Journal of Physical Chemistry B</i> , 2002, 106, 3763-3769.	2.6	76
26	Solvation dynamics of 4-aminophthalimide in dioxane/water mixture. <i>Chemical Physics Letters</i> , 2004, 384, 128-133.	2.6	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.	3.0	76
28	Slow Solvation Dynamics at the Active Site of an Enzyme: Implications for Catalysis. <i>Biochemistry</i> , 2005, 44, 8940-8947.	2.5	75
29	Solvation dynamics of DCM in micelles. <i>Chemical Physics Letters</i> , 2000, 327, 91-96.	2.6	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.	2.6	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.	2.6	71
32	Solvation dynamics in organized assemblies, 4-aminophthalimide in micelles. <i>Journal of Molecular Liquids</i> , 1998, 77, 121-129.	4.9	70
33	Excited state proton transfer from pyranine to acetate in a CTAB micelle. <i>Chemical Physics Letters</i> , 2004, 399, 147-151.	2.6	70
34	Excited-State Proton Transfer of 1-Naphthol in Micelles. <i>Journal of Physical Chemistry A</i> , 1998, 102, 9710-9714.	2.5	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.	3.0	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.	3.1	69

#	ARTICLE	IF	CITATIONS
37	Solvation Dynamics of Coumarin 480 in Sol ⁺ Gel Matrix. Journal of Physical Chemistry B, 2000, 104, 2613-2616.	2.6	68
38	Preferential targeting of i-motifs and G-quadruplexes by small molecules. Chemical Science, 2017, 8, 7448-7456.	7.4	65
39	Solvation Dynamics of a Probe Covalently Bound to a Protein and in an AOT Microemulsion: 4-(N-Bromoacetyl amino)-Phthalimide. Journal of Physical Chemistry B, 2002, 106, 10741-10747.	2.6	63
40	Temperature Dependence of Anisotropy Decay and Solvation Dynamics of Coumarin 153 in β -Cyclodextrin Aggregates. Journal of Physical Chemistry A, 2005, 109, 7359-7364.	2.5	63
41	Fluorescent Metal Nano-Clusters as Next Generation Fluorescent Probes for Cell Imaging and Drug Delivery. Bulletin of the Chemical Society of Japan, 2018, 91, 447-454.	3.2	63
42	Photophysical Processes of Ethidium Bromide in Micelles and Reverse Micelles. Journal of Physical Chemistry B, 1998, 102, 11017-11023.	2.6	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. Journal of Physical Chemistry B, 2012, 116, 12189-12198.	2.6	61
44	Ultrafast FRET in a Room Temperature Ionic Liquid Microemulsion: A Femtosecond Excitation Wavelength Dependence Study. Journal of Physical Chemistry A, 2009, 113, 3737-3743.	2.5	60
45	Temperature dependence of the lifetimes of excited benzyl and other arylmethyl radicals. Journal of the American Chemical Society, 1986, 108, 4706-4710.	13.7	59
46	Femtosecond study of solvation dynamics of DCM in micelles. Chemical Physics Letters, 2002, 359, 77-82.	2.6	59
47	Study of protein-surfactant interaction using excited state proton transfer. Chemical Physics Letters, 2005, 404, 341-345.	2.6	59
48	Solvation dynamics of 4-(dicyanomethylene)-2-methyl-6-(p-dimethylaminostyryl)-4H-pyran (DCM) in a microemulsion. Chemical Physics Letters, 1999, 312, 178-184.	2.6	57
49	Photophysical Processes of Merocyanine 540 in Solutions and in Organized Media. Journal of Physical Chemistry A, 1999, 103, 8156-8159.	2.5	57
50	Slow Solvation Dynamics of Dimethylformamide in a Nanocavity. 4-Aminophthalimide in β -Cyclodextrin. Journal of Physical Chemistry A, 2001, 105, 10635-10639.	2.5	56
51	Solvation Dynamics in the Water Pool of an Aerosol-OT Microemulsion. Effect of Sodium Salicylate and Sodium Cholate. Journal of Physical Chemistry B, 2003, 107, 10815-10822.	2.6	56
52	Fluorescent Gold Nanocluster Inside a Live Breast Cell: Etching and Higher Uptake in Cancer Cell. Journal of Physical Chemistry C, 2014, 118, 22339-22346.	3.1	56
53	Study of Diffusion of Organic Dyes in a Triblock Copolymer Micelle and Gel by Fluorescence Correlation Spectroscopy. Chemistry - an Asian Journal, 2009, 4, 948-954.	3.3	53
54	Dual luminescence of dimethylaminobenzonitrile in β -cyclodextrin. Environmental effects on twisted intramolecular charge-transfer phenomenon. Journal of the Chemical Society, Faraday Transactions, 1990, 86, 53-54.	1.7	50

#	ARTICLE	IF	CITATIONS
55	Photoisomerisation of diethyloxadecarboxyanine iodide in micelles. <i>Chemical Physics Letters</i> , 1998, 288, 793-798.	2.6	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.	2.5	50
57	Solvation Dynamics in Bile Salt Aggregates. <i>Journal of Physical Chemistry B</i> , 2002, 106, 7745-7750.	2.6	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.	2.6	49
59	Solvation Dynamics of Biological Water in a Single Live Cell under a Confocal Microscope. <i>Langmuir</i> , 2013, 29, 2289-2298.	3.5	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.	2.6	48
61	Conformational relaxation in the excited electronic states of benzil and naphthyl. <i>Chemical Physics Letters</i> , 1980, 69, 134-140.	2.6	47
62	Excited State Proton Transfer as a Probe for Polymer-Surfactant Interaction. <i>Journal of Physical Chemistry B</i> , 2000, 104, 6128-6132.	2.6	47
63	Photoinduced electron transfer between dimethylaniline and oxazine 1 in micelles. <i>Chemical Physics</i> , 1999, 249, 63-71.	1.9	46
64	Solvation dynamics in a protein-surfactant complex. <i>Chemical Physics Letters</i> , 2003, 377, 229-235.	2.6	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.	2.5	46
66	Diffusion of Organic Dyes in Immobilized and Free Catanionic Vesicles. <i>Journal of Physical Chemistry B</i> , 2010, 114, 15506-15511.	2.6	46
67	Fluorescence Monitoring of Polyacrylamide Hydrogel Using 4-Aminophthalimide. <i>Langmuir</i> , 1997, 13, 6922-6926.	3.5	45
68	Solvation Dynamics in the Molten Globule State of a Protein. <i>Journal of Physical Chemistry B</i> , 2003, 107, 14563-14568.	2.6	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.	2.6	45
70	Salt Effect on the Ultrafast Proton Transfer in Niosome. <i>Journal of Physical Chemistry B</i> , 2012, 116, 8105-8112.	2.6	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.	3.5	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.	2.6	44

#	ARTICLE	IF	CITATIONS
73	Excitation wavelength dependence of solvation dynamics of coumarin 480 in a lipid vesicle. Chemical Physics Letters, 2005, 411, 339-344.	2.6	43
74	Ultrafast fluorescence resonance energy transfer in a reverse micelle: Excitation wavelength dependence. Journal of Chemical Physics, 2006, 125, 224710.	3.0	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. Journal of Physical Chemistry B, 2007, 111, 5896-5902.	2.6	43
76	Ultrafast and ultraslow proton transfer of pyranine in an ionic liquid microemulsion. Journal of Chemical Physics, 2010, 132, 194505.	3.0	43
77	Photoisomerisation near a hydrophobic surface. Diethyloxadicarbocyanine iodide in a reverse micelle. Chemical Physics Letters, 1997, 278, 77-82.	2.6	42
78	Femtosecond Study of Partially Folded States of Cytochrome C by Solvation Dynamics. Journal of Physical Chemistry B, 2006, 110, 1056-1062.	2.6	42
79	Solvation Dynamics in Ionic Liquid Swollen P123 Triblock Copolymer Micelle: A Femtosecond Excitation Wavelength Dependence Study. Journal of Physical Chemistry B, 2008, 112, 6350-6357.	2.6	42
80	Ultrafast photoinduced electron transfer from dimethylaniline to coumarin dyes in sodium dodecyl sulfate and triton X-100 micelles. Journal of Chemical Physics, 2007, 126, 204708.	3.0	41
81	Small molecule regulated dynamic structural changes of human G-quadruplexes. Chemical Science, 2016, 7, 3279-3285.	7.4	41
82	Excitation Wavelength Dependence of Solvation Dynamics in a Water Pool of a Reversed Micelle. Chemistry Letters, 2004, 33, 1090-1091.	1.3	40
83	Excited State Proton Transfer in Ionic Liquid Mixed Micelles. Journal of Physical Chemistry B, 2010, 114, 13136-13142.	2.6	40
84	Probing micro-environment of lipid droplets in a live breast cell: MCF7 and MCF10A. Chemical Physics Letters, 2017, 670, 27-31.	2.6	40
85	Cancer Cell Imaging Using in Situ Generated Gold Nanoclusters. ChemPhysChem, 2016, 17, 61-68.	2.1	39
86	Structure, Activity, and Dynamics of Human Serum Albumin in a Crowded Pluronic F127 Hydrogel. Journal of Physical Chemistry B, 2019, 123, 3397-3408.	2.6	39
87	Effect of urea on micelles: fluorescence of p-toluidino naphthalene sulphonate. Chemical Physics Letters, 1991, 180, 283-286.	2.6	38
88	A Fluorescence Spectroscopic and Molecular Dynamics Study of bis-ANS/Protein Interaction. Journal of Biomolecular Structure and Dynamics, 1998, 15, 959-966.	3.5	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. Journal of Physical Chemistry B, 2010, 114, 5736-5741.	2.6	38
90	Structure and dynamics of lysozyme in DMSO-water binary mixture: fluorescence correlation spectroscopy. RSC Advances, 2014, 4, 14378.	3.6	38

#	ARTICLE	IF	CITATIONS
91	Ionic liquid induced dehydration and domain closure in lysozyme: FCS and MD simulation. Journal of Chemical Physics, 2015, 143, 125103.	3.0	38
92	Solvation dynamics in a solid host. Coumarin 480 in zeolite 13X. Chemical Physics Letters, 1996, 249, 323-328.	2.6	37
93	Effect of pressure on the critical micelle concentration of neutral surfactant using fluorescence probe method. Journal of Photochemistry and Photobiology A: Chemistry, 1999, 124, 159-162.	3.9	36
94	Interaction of Triton X-100 with cyclodextrins. A fluorescence study. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 3471-3475.	1.7	35
95	Excitation Wavelength Dependence of Solvation Dynamics in a Gel. (PEO)20- α -(PPO)70- α -(PEO)20 Triblock Copolymer. Journal of Physical Chemistry C, 2007, 111, 8775-8780.	3.1	35
96	Ultrafast FRET in Ionic Liquid-P123 Mixed Micelles: Region and Counterion Dependence. Journal of Physical Chemistry B, 2010, 114, 13159-13166.	2.6	35
97	Solvation Dynamics under a Microscope: Single Giant Lipid Vesicle. Langmuir, 2012, 28, 10230-10237.	3.5	35
98	Solvation Dynamics in the Water Pool of Aerosol Sodium Dioctylsulfosuccinate Microemulsion: Effect of Polymer. Journal of Physical Chemistry A, 2002, 106, 6017-6023.	2.5	34
99	Femtosecond Solvation Dynamics in a Micron-Sized Aggregate of an Ionic Liquid and P123 Triblock Copolymer. Journal of Physical Chemistry B, 2009, 113, 959-965.	2.6	34
100	FRET between a donor and an acceptor covalently bound to human serum albumin in native and non-native states. Physical Chemistry Chemical Physics, 2013, 15, 16286.	2.8	34
101	Effect of ethanol-water mixture on the structure and dynamics of lysozyme: A fluorescence correlation spectroscopy study. Journal of Chemical Physics, 2014, 140, 115105.	3.0	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. Chemical Physics Letters, 1989, 160, 257-260.	2.6	33
103	Ultrafast Dynamics in Biological Systems and in Nano-Confined Environments. Bulletin of the Chemical Society of Japan, 2007, 80, 1033-1043.	3.2	33
104	Ultrafast Singlet-Singlet Energy Transfer between an Acceptor Electrostatically Attached to the Walls of an Organic Capsule and the Enclosed Donor. Journal of Physical Chemistry C, 2011, 115, 9593-9600.	3.1	33
105	Effect of ionic liquid on the native and denatured state of a protein covalently attached to a probe: Solvation dynamics study. Journal of Chemical Physics, 2012, 137, 055104.	3.0	33
106	Confocal microscopy of cytoplasmic lipid droplets in a live cancer cell: number, polarity, diffusion and solvation dynamics. MedChemComm, 2014, 5, 536.	3.4	33
107	Selective Killing of Breast Cancer Cells by Doxorubicin-Loaded Fluorescent Gold Nanoclusters: Confocal Microscopy and FRET. ChemPhysChem, 2016, 17, 253-259.	2.1	32
108	Solvation dynamics in DMPC vesicle in the presence of a protein. Chemical Physics Letters, 2003, 382, 426-433.	2.6	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.	2.6	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.	2.6	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.	2.6	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.	2.6	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.	2.6	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.	2.6	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.	2.6	28
116	Heterogeneity in binary mixtures of dimethyl sulfoxide and glycerol: Fluorescence correlation spectroscopy. <i>Journal of Chemical Physics</i> , 2013, 138, 214507.	3.0	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.	3.2	27
119	Excited State Proton Transfer of 1-Naphthol in a Hydroxypropylcellulose/Sodium Dodecyl Sulfate System. <i>Langmuir</i> , 2002, 18, 7867-7871.	3.5	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.	3.0	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.	7.4	25
122	Solvation dynamics of TNS in polymer (PEG)-surfactant (SDS) aggregate. <i>Chemical Physics Letters</i> , 2002, 359, 15-21.	2.6	24
123	Fluorescence Dynamics in the Endoplasmic Reticulum of a Live Cell: Time-Resolved Confocal Microscopy. <i>ChemPhysChem</i> , 2016, 17, 2818-2823.	2.1	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.	1.6	23
126	Study of organized and biological systems using an ultrafast laser. <i>International Reviews in Physical Chemistry</i> , 2007, 26, 421-448.	2.3	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.	2.1	23
128	In what time scale proton transfer takes place in a live CHO cell?. <i>Journal of Chemical Physics</i> , 2013, 138, 215102.	3.0	23
129	Solvation dynamics in a microemulsion in near-critical propane. <i>Chemical Physics Letters</i> , 2002, 361, 136-142.	2.6	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.	2.6	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.	2.6	22
132	Excited-state proton transfer from pyranine to acetate in methanol. <i>Journal of Chemical Sciences</i> , 2007, 119, 71-76.	1.5	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.	3.0	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.	3.9	20
135	Salt effect on the hydrophobic binding of p-toluidino naphthalene sulphonate with cyclodextrins. <i>Chemical Physics Letters</i> , 1994, 218, 492-498.	2.6	20
136	Solvation Dynamics of DCM in Dipalmitoyl Phosphatidylcholine Lipid. <i>Tetrahedron</i> , 2000, 56, 6999-7002.	1.9	20
137	Solvation dynamics in a proteinâ€surfactant aggregate. TNS in HSAâ€SDS. <i>Chemical Physics Letters</i> , 2003, 379, 471-478.	2.6	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.	3.9	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.	2.6	20
140	Spectral mapping of 3D multi-cellular tumor spheroids: time-resolved confocal microscopy. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 18381-18390.	2.8	20
141	Cytochromeâ€Capped Fluorescent Gold Nanoclusters: Imaging of Live Cells and Delivery of Cytochromeâ€C. <i>ChemPhysChem</i> , 2016, 17, 2088-2095.	2.1	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.	3.5	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.	4.6	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.	2.8	19
146	Live Cell Microscopy: A Physical Chemistry Approach. <i>Journal of Physical Chemistry B</i> , 2018, 122, 3023-3036.	2.6	19
147	Solvation Dynamics in Dimyristoyl-Phosphatidylcholine Entrapped Inside a Sol ⁺ Gel Matrix. <i>Journal of Physical Chemistry B</i> , 2004, 108, 2309-2312.	2.6	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.	3.0	18
149	Enzyme activity of β -chymotrypsin: Deactivation by gold nano-cluster and reactivation by glutathione. <i>Journal of Colloid and Interface Science</i> , 2017, 494, 74-81.	9.4	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.	3.2	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.	2.8	17
152	Fluorescence from relaxed and unrelaxed excited state of benzil. <i>Journal of Luminescence</i> , 1980, 22, 95-101.	3.1	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.	2.6	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.	2.6	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.	2.8	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.	2.6	14
157	Study of Solvation Dynamics in an Ormosil: CTAB in a Sol ⁺ Gel Matrix. <i>Journal of Physical Chemistry B</i> , 2004, 108, 11971-11975.	2.6	14
158	Deuterium isotope effect on femtosecond solvation dynamics in methyl β -cyclodextrins. <i>Journal of Chemical Physics</i> , 2009, 131, 044509.	3.0	14
159	Time Evolution of Local pH Around a Photoacid in Water and a Polymer Hydrogel: Time Resolved Fluorescence Spectroscopy of Pyranine. <i>ChemPhysChem</i> , 2019, 20, 3221-3227.	2.1	14
160	Probing Viscosity of Co ²⁺ Polymer Hydrogel and HeLa Cell Using Fluorescent Gold Nanoclusters: Fluorescence Correlation Spectroscopy and Anisotropy Decay. <i>ChemPhysChem</i> , 2020, 21, 406-414.	2.1	14
161	Study of Organized Media Using Time-Resolved Fluorescence Spectroscopy. <i>Journal of Fluorescence</i> , 2001, 11, 167-176.	2.5	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.	2.6	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.	1.5	13
164	Dynamics of Gene Silencing in a Live Cell: Stochastic Resonance. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 1012-1016.	4.6	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.	2.8	13
166	Fluorescence monitoring of the hydrophobic surface of dextrin using p-toluidinonaphthalenesulfonate. <i>Langmuir</i> , 1995, 11, 2410-2413.	3.5	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.	3.9	12
168	Ultrafast chemistry in complex and confined systems. <i>Journal of Chemical Sciences</i> , 2004, 116, 5-16.	1.5	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.	3.9	11
170	On the origin of the anomalous ultraslow solvation dynamics in heterogeneous environments. <i>Journal of Chemical Sciences</i> , 2007, 119, 113-121.	1.5	11
171	Probing Deuterium Isotope Effect on Structure and Solvation Dynamics of Human Serum Albumin. <i>ChemPhysChem</i> , 2011, 12, 814-822.	2.1	11
172	Direct observation of the growth and shrinkage of microtubules by single molecule FRET resonance energy transfer. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 6687-6690.	2.8	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.	3.0	11
174	Photoisomerization of Diethyloxadibocyanine Iodide in Dna and Protein#. <i>Research on Chemical Intermediates</i> , 1999, 25, 685-693.	2.7	10
175	Solvation dynamics of 4-aminophthalimide in a polymer (PVP)-surfactant (SDS) aggregate. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 4875-4879.	2.8	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.	2.1	10
177	Physical chemistry in a single live cell: confocal microscopy. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 12620-12627.	2.8	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.	2.6	10
179	Intramolecular charge transfer processes in restricted environments. <i>Journal of Molecular Liquids</i> , 1993, 57, 115-125.	4.9	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. ChemPhysChem, 2013, 14, 788-796.	2.1	9
182	Salt effect on p-nitrophenol at the water surface: a surface second harmonic generation study. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 4993.	1.7	8
183	Effect of Ionic Liquid on Diffusion in P123 Gel: Fluorescence Correlation Spectroscopy. ChemPhysChem, 2012, 13, 1942-1948.	2.1	8
184	Single-molecule Spectroscopy: Exploring Heterogeneity in Chemical and Biological Systems. Chemical Record, 2016, 16, 601-613.	5.8	8
185	Biological oscillations: Fluorescence monitoring by confocal microscopy. Chemical Physics Letters, 2016, 660, 1-10.	2.6	8
186	Differential role of nonmuscle myosin II isoforms during blebbing of MCF-7 cells. Molecular Biology of the Cell, 2017, 28, 1034-1042.	2.1	7
187	Specific ion effects on F127 hydrogel: FCS, anisotropy and solvation dynamics. Chemical Physics Letters, 2019, 735, 136754.	2.6	7
188	Level splitting in double molecules. Chemical Physics Letters, 1981, 83, 259-264.	2.6	5
189	Solvation dynamics in a worm-like CTAB micelle. Research on Chemical Intermediates, 2005, 31, 135-144.	2.7	5
190	Solvation Dynamics in Biological Systems and Organized Assemblies. Journal of the Chinese Chemical Society, 2006, 53, 169-180.	1.4	5
191	Spatial inhomogeneity in spectra and exciton dynamics in porphyrin micro-rods and micro-brushes: Confocal microscopy. Journal of Chemical Sciences, 2016, 128, 1717-1724.	1.5	5
192	Effect of salt and solvents on the ionic solvation of p-toluidinonaphthalene sulfonate. Journal of the Chemical Society, Faraday Transactions, 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 Brassica juncea. Plant Molecular Biology, 2016, 92, 519-537.	3.9	4
194	Probing Deviation of Adhered Membrane Dynamics between Reconstituted Liposome and Cellular System. Chemistry - an Asian Journal, 2019, 14, 4616-4624.	3.3	4
195	Reassignment of the electronic states of the trans dimer of acenaphthylene. Spectrochimica Acta Part A: Molecular Spectroscopy, 1986, 42, 43-45.	0.1	3
196	Study of partially folded states of cytochrome C by solvation dynamics. Journal of Molecular Liquids, 2006, 124, 128-135.	4.9	3
197	Size and Structure of Cytochrome-c bound to Gold nano-clusters: Effect of Ethanol. Journal of Chemical Sciences, 2017, 129, 841-847.	1.5	3
198	Ionic Liquid: Complexity in Structure and Dynamics, Interaction with Proteins and In Situ Generation of Metal Nano-clusters for Live Cell Imaging. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2018, 88, 425-430.	1.2	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.	1.5	2
200	Photoisomerization of merocyanine 540 in polymer-surfactant aggregate. Journal of Chemical Sciences, 2002, 114, 83-91.	1.5	2
201	Fluorescence Probing of Fluctuating Microtubule using a Covalent Fluorescent Probe: Effect of Taxol. ChemistrySelect, 2016, 1, 1841-1847.	1.5	2
202	“New Physical Chemistry Insight” in Experimental Bio-Physical Chemistry. Journal of Physical Chemistry B, 2017, 121, 6455-6455.	2.6	2
203	Probing the conformational dynamics of photosystem I in unconfined and confined spaces. Physical Chemistry Chemical Physics, 2018, 20, 449-455.	2.8	2
204	The <i>JPC</i> Periodic Table. Journal of Physical Chemistry A, 2019, 123, 5837-5848.	2.5	2
205	The <i>JPC</i> Periodic Table. Journal of Physical Chemistry Letters, 2019, 10, 4051-4062.	4.6	2
206	Single-molecule spectroscopy. Resonance, 2015, 20, 151-164.	0.3	1
207	Structural Oscillations of Non-“muscle Myosin II” C2: Time Resolved Confocal Microscopy. ChemistrySelect, 2017, 2, 953-958.	1.5	1
208	The <i>JPC</i> Periodic Table. Journal of Physical Chemistry B, 2019, 123, 5973-5984.	2.6	1
209	The <i>JPC</i> Periodic Table. Journal of Physical Chemistry C, 2019, 123, 17063-17074.	3.1	1
210	Self-Assembly of Antimitotic Peptide at Membranes: Computational and Experimental Investigation. ACS Omega, 2019, 4, 745-754.	3.5	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.	1.5	1
212	Of Molecules, Time, and Space Resolution: An Autobiography of Kankan Bhattacharyya. Journal of Physical Chemistry B, 2022, 126, 3464-3469.	2.6	1
213	Indian association for the cultivation of science. Resonance, 1998, 3, 92-94.	0.3	0
214	Jiggling of Coherent Excitons along a Polymer Chain. ChemPhysChem, 2009, 10, 1981-1982.	2.1	0
215	ACS on Campus in India - 2013. Journal of Physical Chemistry Letters, 2014, 5, 495-495.	4.6	0
216	Ahmed Zewail. Resonance, 2018, 23, 633-640.	0.3	0

#	ARTICLE	IF	CITATIONS
217	Classics. Resonance, 2018, 23, 713-716.	0.3	0