

# Subhadip Ghosh

## List of Publications by Year in descending order

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68  
papers

2,456  
citations

159358

30  
h-index

214527

47  
g-index

72  
all docs

72  
docs citations

72  
times ranked

2161  
citing authors

#	ARTICLE	IF	CITATIONS
1	Positive and negative chemotaxis of enzyme-coated liposome motors. <i>Nature Nanotechnology</i> , 2019, 14, 1129-1134.	15.6	152
2	Luminescent Copper Nanoclusters as a Specific Cell-Imaging Probe and a Selective Metal Ion Sensor. <i>Journal of Physical Chemistry C</i> , 2015, 119, 24657-24664.	1.5	149
3	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
4	Excited state proton transfer of pyranine in a $\beta$ -cyclodextrin cavity. <i>Chemical Physics Letters</i> , 2005, 412, 228-234.	1.2	103
5	Fluorescence Anisotropy Decay and Solvation Dynamics in a Nanocavity: Coumarin 153 in Methyl $\beta$ -Cyclodextrins. <i>Journal of Physical Chemistry A</i> , 2005, 109, 9716-9722.	1.1	89
6	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
7	Photostable Copper Nanoclusters: Compatible Förster Resonance Energy-Transfer Assays and a Nanothermometer. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1293-1298.	2.1	75
8	Luminescent Silver Nanoclusters Acting as a Label-Free Photoswitch in Metal Ion Sensing. <i>Analytical Chemistry</i> , 2014, 86, 3188-3194.	3.2	72
9	Toggling Between Blue- and Red-Emitting Fluorescent Silver Nanoclusters. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3605-3609.	2.1	71
10	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
11	Temperature Dependence of Anisotropy Decay and Solvation Dynamics of Coumarin 153 in $\beta$ -Cyclodextrin Aggregates. <i>Journal of Physical Chemistry A</i> , 2005, 109, 7359-7364.	1.1	63
12	Protein-protected metal nanoclusters as diagnostic and therapeutic platforms for biomedical applications. <i>Materials Today</i> , 2023, 66, 159-193.	8.3	59
13	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
14	Motility of Enzyme-Powered Vesicles. <i>Nano Letters</i> , 2019, 19, 6019-6026.	4.5	52
15	Excited-State Proton Transfer from Pyranine to Acetate in $\beta$ -Cyclodextrin and Hydroxypropyl $\beta$ -Cyclodextrin. <i>Journal of Physical Chemistry A</i> , 2006, 110, 13646-13652.	1.1	50
16	Ultrafast Electron Transfer in a Nanocavity. Dimethylaniline to Coumarin Dyes in Hydroxypropyl $\beta$ -Cyclodextrin. <i>Journal of Physical Chemistry A</i> , 2006, 110, 13139-13144.	1.1	46
17	Ultrafast Fluorescence Resonance Energy Transfer in the Micelle and the Gel Phase of a PEO-PPO-PEO Triblock Copolymer: Excitation Wavelength Dependence. <i>Journal of Physical Chemistry B</i> , 2007, 111, 7085-7091.	1.2	45
18	Temperature Induced Morphological Transitions from Native to Unfolded Aggregated States of Human Serum Albumin. <i>Journal of Physical Chemistry B</i> , 2014, 118, 7267-7276.	1.2	45

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19	A femtosecond study of photoinduced electron transfer from dimethylaniline to coumarin dyes in a cetyltrimethylammonium bromide micelle. <i>Journal of Chemical Physics</i> , 2006, 125, 054509.	1.2	44
20	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
21	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
22	Critical Phenomena in Plasma Membrane Organization and Function. <i>Annual Review of Physical Chemistry</i> , 2021, 72, 51-72.	4.8	42
23	Ultrafast fluorescence resonance energy transfer in a micelle. <i>Journal of Chemical Physics</i> , 2006, 125, 044714.	1.2	41
24	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
25	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
26	Enzymes as Active Matter. <i>Annual Review of Condensed Matter Physics</i> , 2021, 12, 177-200.	5.2	37
27	Excitation Wavelength Dependence of Solvation Dynamics in a Gel. (PEO) <sub>20</sub> -(PPO) <sub>70</sub> -(PEO) <sub>20</sub> Triblock Copolymer. <i>Journal of Physical Chemistry C</i> , 2007, 111, 8775-8780.	1.5	35
28	A Femtosecond Study of Excitation-Wavelength Dependence of Solvation Dynamics in a Vesicle. <i>Chemistry - an Asian Journal</i> , 2006, 1, 188-194.	1.7	33
29	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
30	Probe Dependent Solvation Dynamics Study in a Microscopically Immiscible Dimethyl Sulfoxide-Glycerol Binary Solvent. <i>Journal of Physical Chemistry B</i> , 2014, 118, 7577-7585.	1.2	32
31	Probe dependent anomalies in the solvation dynamics of coumarin dyes in dimethyl sulfoxide-glycerol binary solvent: confirming the local environments are different for coumarin dyes. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 22352-22363.	1.3	31
32	A Femtosecond Study of Excitation Wavelength Dependence of a Triblock Copolymer Surfactant Supramolecular Assembly: (PEO) <sub>20</sub> -(PPO) <sub>70</sub> -(PEO) <sub>20</sub> and CTAC. <i>Journal of Physical Chemistry B</i> , 2008, 112, 5020-5026.	1.2	30
33	Ground-State Heterogeneity along with Fluorescent Byproducts Causes Excitation-Dependent Fluorescence and Time-Dependent Spectral Migration in Citric Acid-Derived Carbon Dots. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 335-345.	2.1	29
34	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
35	Chemotaxis of Molecular Dyes in Polymer Gradients in Solution. <i>Journal of the American Chemical Society</i> , 2017, 139, 15588-15591.	6.6	28
36	Micelles of Benzethonium Chloride undergoes spherical to cylindrical shape transformation: An intrinsic fluorescence and calorimetric approach. <i>Chemical Physics Letters</i> , 2014, 593, 115-121.	1.2	26

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37	Study of organized and biological systems using an ultrafast laser. <i>International Reviews in Physical Chemistry</i> , 2007, 26, 421-448.	0.9	23
38	Protein-templated gold nanoclusters as specific bio-imaging probes for the detection of Hg(II) ions in vivo and in vitro systems: discriminating between MDA-MB-231 and MCF10A cells. <i>Analyst</i> , 2021, 146, 1455-1463.	1.7	22
39	Excited-state proton transfer from pyranine to acetate in methanol. <i>Journal of Chemical Sciences</i> , 2007, 119, 71-76.	0.7	21
40	Structural Aspects of a Protein-Surfactant Assembly: Native and Reduced States of Human Serum Albumin. <i>Protein Journal</i> , 2015, 34, 147-157.	0.7	21
41	The study of electron transfer reactions in a dendrimeric assembly: proper utilization of dendrimer fluorescence. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 24830-24834.	1.3	21
42	Femtosecond Solvation Dynamics in Different Regions of a Bile Salt Aggregate: Excitation Wavelength Dependence. <i>Journal of Physical Chemistry B</i> , 2008, 112, 3575-3580.	1.2	20
43	Kinetic Aspects of Enzyme-Mediated Evolution of Highly Luminescent Silver Nanoclusters. <i>Journal of Physical Chemistry C</i> , 2015, 119, 10776-10784.	1.5	17
44	Study of Diffusion-Assisted Bimolecular Electron Transfer Reactions: CdSe/ZnS Core-Shell Quantum Dot Acts as an Efficient Electron Donor and Acceptor. <i>Journal of Physical Chemistry C</i> , 2016, 120, 13456-13465.	1.5	16
45	Diffusion Assisted Bimolecular Electron Injection to CdS Quantum Dots: Existence of Different Regimes in Time Dependent Sink Term of Collins-Kimball Model. <i>Journal of Physical Chemistry C</i> , 2016, 120, 5308-5314.	1.5	16
46	Study of Microheterogeneity in Acetonitrile-Water Binary Mixtures by using Polarity-Resolved Solvation Dynamics. <i>ChemPhysChem</i> , 2015, 16, 3518-3526.	1.0	15
47	Nonuniform Crowding Enhances Transport. <i>ACS Nano</i> , 2019, 13, 8946-8956.	7.3	15
48	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
49	A deeper insight into an intriguing acetonitrile-water binary mixture: synergistic effect, dynamic Stokes shift, fluorescence correlation spectroscopy, and NMR studies. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 32308-32318.	1.3	13
50	Model-Free Estimation of Energy Transfer Timescales in a Closely Emitting CdSe/ZnS Quantum Dot and Rhodamine-6G FRET Couple. <i>Chemistry - an Asian Journal</i> , 2018, 13, 3296-3303.	1.7	13
51	Ultrafast Interfacial Electron Transfer from Graphene Quantum Dot to 2,4-Dinitrotoluene. <i>Journal of Physical Chemistry C</i> , 2021, 125, 9638-9645.	1.5	13
52	Morphology dependent photoinduced electron transfer from N,N-dimethylaniline to semiconductor cadmium sulfide. <i>RSC Advances</i> , 2014, 4, 35531.	1.7	12
53	An Approach to a Model Free Analysis of Excited-State Proton Transfer Kinetics in a Reverse Micelle. <i>Journal of Physical Chemistry C</i> , 2018, 122, 732-740.	1.5	12
54	Role of Emissive and Non-Emissive Complex Formations in Photoinduced Electron Transfer Reaction of CdTe Quantum Dots. <i>Chemistry - an Asian Journal</i> , 2019, 14, 4207-4216.	1.7	12

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55	Subpicosecond Charge Separation Time Scale at Graphene Quantum Dot Surface. <i>Journal of Physical Chemistry C</i> , 2020, 124, 24115-24125.	1.5	12
56	Spectroscopic and Calorimetric Studies of Molecular Recognitions in a Dendrimer-Surfactant Complex. <i>Langmuir</i> , 2018, 34, 817-825.	1.6	11
57	Study of Interfacial Charge Transfer from an Electron Rich Organic Molecule to CdTe Quantum Dot by using Stern-Volmer and Stochastic Kinetic Models. <i>ChemPhysChem</i> , 2020, 21, 415-422.	1.0	11
58	Synthesis of Cs/Methylammonium/Formamidinium PbBr <sub>3</sub> Perovskite Nanocrystals with Green Emissions: Implications for Display Applications. <i>ACS Applied Nano Materials</i> , 2022, 5, 4360-4366.	2.4	11
59	Investigating the evolution of drug mediated silver nanoparticles. <i>Analyst</i> , 2013, 138, 4270.	1.7	10
60	Revealing Explicit Microsecond Carrier Diffusion from One Emission Center to Another in an All-Inorganic Perovskite Nanocrystal. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 5413-5422.	2.1	10
61	Micelles entrapped Cresyl Violet can selectively detect copper and mercury ions in solution: A fluorescence Correlation Spectroscopy investigation. <i>Chemical Physics Letters</i> , 2017, 682, 147-153.	1.2	8
62	Subpicosecond Hot Hole Transfer in a Graphene Quantum Dot Composite with High Efficiency. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 606-613.	2.1	8
63	Femtosecond Upconversion Study of Interfacial Electron Transfer from Photoexcited CsPbBr <sub>3</sub> Perovskite Nanocrystal to Rhodamine 6G. <i>Journal of Physical Chemistry B</i> , 2021, 125, 11017-11025.	1.2	7
64	Evaluation of intramolecular charge transfer state of 4-N, N-dimethylamino cinnamaldehyde using time-dependent density functional theory. <i>Journal of Chemical Sciences</i> , 2013, 125, 933-938.	0.7	6
65	Encapsulation and Residency of a Hydrophobic Dye within the Water-Filled Interior of a PAMAM Dendrimer Molecule. <i>Journal of Physical Chemistry B</i> , 2017, 121, 1930-1940.	1.2	6
66	Enzyme aggregation and fragmentation induced by catalysis relevant species. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 20709-20717.	1.3	5
67	Fluorescent Biotin Analogues for Microstructure Patterning and Selective Protein Immobilization. <i>Langmuir</i> , 2015, 31, 12573-12578.	1.6	2
68	Probing of Reorganization Dynamics within the Different Phases of Thermotropic Liquid Crystals. <i>ChemistrySelect</i> , 2018, 3, 1551-1560.	0.7	2