

# Rajib Ghosh

## List of Publications by Year in descending order

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36  
papers

740  
citations

516215

16  
h-index

525886

27  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1138  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast Dynamics of the Excited States of Curcumin in Solution. <i>Journal of Physical Chemistry B</i> , 2010, 114, 12129-12143.	1.2	86
2	Solvent sensitive intramolecular charge transfer dynamics in the excited states of 4-N,N-dimethylamino-4-nitrophenyl. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 7661-7671.	1.3	62
3	Effect of Donor-Acceptor Coupling on TICT Dynamics in the Excited States of Two Dimethylamine Substituted Chalcones. <i>Journal of Physical Chemistry A</i> , 2015, 119, 11128-11137.	1.1	55
4	Ultrafast Singlet Exciton Fission Dynamics in 9,10-Bis(phenylethynyl)anthracene Nanoaggregates and Thin Films. <i>Journal of Physical Chemistry C</i> , 2018, 122, 21047-21055.	1.5	50
5	Dynamics of solvent controlled excited state intramolecular proton transfer coupled charge transfer reactions. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 987-995.	1.6	41
6	Excited State Dynamics of Zinc-Phthalocyanine Nanoaggregates in Strong Hydrogen Bonding Solvents. <i>Journal of Physical Chemistry C</i> , 2012, 116, 15155-15166.	1.5	39
7	Ultrafast Twisting Dynamics of Thioflavin: Spectroscopy of the Twisted Intramolecular Charge-transfer State. <i>ChemPhysChem</i> , 2014, 15, 4126-4131.	1.0	31
8	Exciton Dynamics in Anthracene Nanoaggregates. <i>Journal of Physical Chemistry C</i> , 2015, 119, 10641-10652.	1.5	31
9	Ultrafast Dynamics of the Excited States of 1-(p-Nitrophenyl)-2-(hydroxymethyl)pyrrolidine. <i>Journal of Physical Chemistry A</i> , 2012, 116, 1993-2005.	1.1	30
10	Excited state dynamics of a push-pull stilbene: A femtosecond transient absorption spectroscopic study. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 263, 50-60.	2.0	30
11	Conformational Control of Ultrafast Molecular Rotor Property: Tuning Viscosity Sensing Efficiency by Twist Angle Variation. <i>Journal of Physical Chemistry B</i> , 2017, 121, 8786-8794.	1.2	29
12	Interplay of exciton-excimer dynamics in 9,10-diphenylanthracene nanoaggregates and thin films revealed by time-resolved spectroscopic studies. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 11193-11202.	1.3	27
13	Ultrafast Dynamics of the Excited States of the Uranyl Ion in Solutions. <i>Journal of Physical Chemistry A</i> , 2010, 114, 5263-5270.	1.1	25
14	Ultrafast Energy Transfer Process in Doped-Anthracene Nanoaggregates is Controlled by Exciton Diffusion: Multiple Doping Leads to Efficient White Light Emission. <i>Journal of Physical Chemistry C</i> , 2016, 120, 7299-7312.	1.5	23
15	Interaction of a Julolidine-Based Neutral Ultrafast Molecular Rotor with Natural DNA: Spectroscopic and Molecular Docking Studies. <i>Journal of Physical Chemistry B</i> , 2016, 120, 9843-9853.	1.2	18
16	Potential anion sensing properties by a redox and substitution series of [Ru(bpy) <sub>3</sub> ] <sup>n+</sup> (Hdpa) <sub>n</sub> , n = 1, 2, 3; Hdpa = 2,2'-dipyridylamine: selective recognition and stoichiometric binding with cyanide and fluoride ions. <i>RSC Advances</i> , 2016, 6, 62310-62319.	1.7	16
17	Probing excited state charge transfer dynamics in a heteroleptic ruthenium complex. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 219-226.	1.3	15
18	Substituent control of the ultrafast twisted intramolecular charge transfer rate in dimethylaminochalcone derivatives. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 6347-6353.	1.3	14

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19	Ultrafast Dynamics of Hydrogen Bond Breaking and Making in the Excited State of Fluoren-9-one: Time-Resolved Visible Pump-IR Probe Spectroscopic Study. <i>Journal of Physical Chemistry B</i> , 2017, 121, 1068-1080.	1.2	12
20	Ultrafast Conformational Relaxation Dynamics in Anthryl-9-benzothiazole: Dynamic Planarization Driven Delocalization and Protonation-Induced Twisting Dynamics. <i>Journal of Physical Chemistry B</i> , 2019, 123, 5307-5315.	1.2	12
21	Excited state relaxation pathways of 4-dimethylamino-2-nitrostyrene: Effect of solvent polarity and donor-acceptor conjugation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 321, 171-179.	2.0	10
22	Palladium(II)-iodo-{1-alkyl-2-(arylo)imidazole} complexes: Synthesis, structure, dynamics of photochromism and DFT computation. <i>Polyhedron</i> , 2015, 85, 900-911.	1.0	8
23	Spectroscopic characterization, photochromism and mesomorphism of cadmium(II)-1-alkyl-2-(arylo)imidazole complexes and DFT correlative studies. <i>Polyhedron</i> , 2016, 117, 463-477.	1.0	8
24	Protonation-induced ultrafast torsional dynamics in 9-anthrylbenzimidazole: a pH activated molecular rotor. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 7014-7020.	1.3	8
25	Comparative studies of photophysics and exciton dynamics of different diphenylanthracene (DPA) nanoaggregates. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 400, 112700.	2.0	8
26	Singlet Fission Dynamics in the 5,12-Bis(phenylethynyl)tetracene Thin Film. <i>Journal of Physical Chemistry C</i> , 2021, 125, 2583-2591.	1.5	8
27	Shedding light on hydroxyquinoline-based ruthenium sensitizers with a long-lived charge carrier to boost photocatalytic H <sub>2</sub> evolution. <i>RSC Advances</i> , 2016, 6, 41165-41172.	1.7	7
28	Comparative photophysics and ultrafast dynamics of dimethylaminochalcone and a structurally rigid derivative: experimental identification of TICT coordinate. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 23078-23084.	1.3	7
29	Anthryl Benzothiazolium Molecular Rotor-Based Turn-On DNA Probe: Detailed Mechanistic Studies. <i>Journal of Physical Chemistry B</i> , 2019, 123, 7518-7527.	1.2	7
30	Disentangling Time Scales of Vibrational Cooling, Solvation, and Hydrogen Bond Reorganization Dynamics Using Ultrafast Transient Infrared Spectroscopy of Formylperylene. <i>Journal of Physical Chemistry B</i> , 2019, 123, 4408-4414.	1.2	7
31	Strong Dipole Interaction between Chlorophyll-a Molecules and Surface Plasmon Polaritons. <i>Journal of Physical Chemistry C</i> , 2019, 123, 16965-16972.	1.5	6
32	In Stationary Regime, Electron Transfer Rates in RTIL Media Are Diffusion Controlled: Experimental Evidence from Pulse Radiolysis Study. <i>Journal of Physical Chemistry B</i> , 2013, 117, 5113-5120.	1.2	3
33	Solvent- and DNA-Controlled Phototriggered Linkage Isomerization in a Ruthenium Sulfoxide Complex Incorporating Dipyrido[3,2- <i>a</i> :1',2'- <i>b'</i> ]phenazine (dppz). <i>Inorganic Chemistry</i> , 2017, 56, 6310-6317.	1.9	3
34	Energy transfer-mediated white light emission from Nile red-doped 9,10-diphenylanthracene nanoaggregates upon excitation with near UV light. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 2748-2758.	1.6	3
35	Natural DNA assisted white light generation and stimuli responsive colour tuning. <i>International Journal of Biological Macromolecules</i> , 2021, 186, 695-701.	3.6	1
36	EXCITON DYNAMICS IN PHTHALOCYANINE NANOAGGREGATES. , 2016, , .		0