Indrajit Ghosh

List of Publications by Year
in descending order

49 papers	4,995 citations	147726 31 h-index	189801 50 g-index
56 all docs	56 docs citations	56 times ranked	4800 citing authors

#	Article	IF	Citations
1	All-organic Z-scheme photoreduction of CO2 with water as the donor of electrons and protons. Applied Catalysis B: Environmental, 2021, 285, 119773.	10.8	19
2	Photochemical Functionalization of Helicenes. Chemistry - A European Journal, 2020, 26, 543-547.	1.7	15
3	12. Excited radical anions and excited anions in visible light photoredox catalysis. , 2020, , 285-300.		0
4	Photo-Ni-Dual-Catalytic C(sp²)â€“C(sp³) Cross-Coupling Reactions with Mesoporous Graphitic Carbon Nitride as a Heterogeneous Organic Semiconductor Photocatalyst. ACS Catalysis, 2020, 10, 3526-3532.	5.5	63
5	Organic semiconductor photocatalyst can bifunctionalize arenes and heteroarenes. Science, 2019, 365, 360-366.	6.0	416
6	Excited radical anions and excited anions in visible light photoredox catalysis. Physical Sciences Reviews, 2019, 4, .	0.8	4
7	Single-molecule photoredox catalysis. Chemical Science, 2019, 10, 681-687.	3.7	40
8	Utilising excited state organic anions for photoredox catalysis: activation of (hetero)aryl chlorides by visible light-absorbing 9-anthrolate anions. Faraday Discussions, 2019, 215, 364-378.	1.6	43
9	14 Organic Dyes in Photocatalytic Reductive Câ€“H Arylations. , 2019, , .		2
10	Metalâ€free Semiconductor Photocatalysis for sp² Câ^'H Functionalization with Molecular Oxygen. ChemCatChem, 2019, 11, 703-706.	1.8	37
11	Anthraquinones as Photoredox Catalysts for the Reductive Activation of Aryl Halides. European Journal of Organic Chemistry, 2018, 2018, 34-40.	1.2	98
12	Chemical Photocatalysis with Rhodamine 6G: Investigation of Photoreduction by Simultaneous Fluorescence Correlation Spectroscopy and Fluorescence Lifetime Measurements. Journal of Physical Chemistry B, 2018, 122, 10728-10735.	1.2	19
13	Two Orders of Magnitude Variation of Diffusion-Enhanced FÃ¶rster Resonance Energy Transfer in Polypeptide Chains. Polymers, 2018, 10, 1079.	2.0	2
14	Air-Sensitive Photoredox Catalysis Performed under Aerobic Conditions in Gel Networks. Journal of Organic Chemistry, 2018, 83, 7928-7938.	1.7	22
15	Photoredox Catalytic Organic Transformations using Heterogeneous Carbon Nitrides. Angewandte Chemie - International Edition, 2018, 57, 15936-15947.	7.2	339
16	Photoredoxkatalytische organische Umwandlungen an heterogenen Kohlenstoffnitriden. Angewandte Chemie, 2018, 130, 16164-16176.	1.6	55
17	Synthesis of Arylated Nucleobases by Visible Light Photoredox Catalysis. Journal of Organic Chemistry, 2017, 82, 3552-3560.	1.7	44
18	Quantum Dots in Visible-Light Photoredox Catalysis: Reductive Dehalogenations and Câ€“H Arylation Reactions Using Aryl Bromides. Chemistry of Materials, 2017, 29, 5225-5231.	3.2	71

#	Article	IF	Citations
19	Sensitizationâ€Initiated Electron Transfer for Photoredox Catalysis. Angewandte Chemie - International Edition, 2017, 56, 8544-8549.	7.2	198
20	Photoredoxkatalyse durch sensibilisierten Elektronentransfer. Angewandte Chemie, 2017, 129, 8664-8669.	1.6	63
21	Direct Câ^'H Phosphonylation of Electronâ€Rich Arenes and Heteroarenes by Visibleâ€Light Photoredox Catalysis. Chemistry - A European Journal, 2017, 23, 12120-12124.	1.7	63
22	Reply to â€œPhotoredox Catalysis: The Need to Elucidate the Photochemical Mechanismâ€• Angewandte Chemie - International Edition, 2017, 56, 12822-12824.	7.2	44
23	Reply to â€œPhotoredox Catalysis: The Need to Elucidate the Photochemical Mechanismâ€• Angewandte Chemie, 2017, 129, 12998-13000.	1.6	17
24	Helicityâ€Dependent Regiodifferentiation in the Excitedâ€State Quenching and Chiroptical Properties of Inward/Outward Helical Coumarins. Chemistry - A European Journal, 2017, 23, 14797-14805.	1.7	25
25	Chromoselective Photocatalysis: Controlled Bond Activation through Lightâ€Color Regulation of Redox Potentials. Angewandte Chemie - International Edition, 2016, 55, 7676-7679.	7.2	274
26	Visible Light Mediated Photoredox Catalytic Arylation Reactions. Accounts of Chemical Research, 2016, 49, 1566-1577.	7.6	618
27	Metal-Free Photocatalyzed Cross Coupling of Bromoheteroarenes with Pyrroles. ACS Catalysis, 2016, 6, 6780-6784.	5.5	69
28	Farbselektive Photokatalyse: kontrollierte Bindungsaktivierung durch Redoxpotentialregulation Ã¼ber die Anregungslichtfarbe. Angewandte Chemie, 2016, 128, 7806-7810.	1.6	94
29	Synthesis of pyrrolo[1,2-a]quinolines and ullazines by visible light mediated one- and twofold annulation of N-arylpyrroles with arylalkynes. Chemical Communications, 2016, 52, 8695-8698.	2.2	70
30	Synthesis, Photophysical, and Morphological Properties of Azomethineâ€Persylilated Î±â€Cyclodextrin Mainâ€Chain Polyrotaxane. Macromolecular Chemistry and Physics, 2015, 216, 662-670.	1.1	12
31	Visible light Câ€"H amidation of heteroarenes with benzoyl azides. Chemical Science, 2015, 6, 987-992.	3.7	156
32	Reduction of aryl halides by consecutive visible light-induced electron transfer processes. Science, 2014, 346, 725-728.	6.0	860
33	Excited-state properties of fluorenones: influence of substituents, solvent and macrocyclic encapsulation. Physical Chemistry Chemical Physics, 2014, 16, 16436-16445.	1.3	38
34	Efficient Hostâ€"Guest Energy Transfer in Polycationic Cyclophaneâ€"Perylene Diimide Complexes in Water. Journal of the American Chemical Society, 2014, 136, 9053-9060.	6.6	97
35	Diffusion-Enhanced FÃ¶rster Resonance Energy Transfer and the Effects of External Quenchers and the Donor Quantum Yield. Journal of Physical Chemistry B, 2013, 117, 185-198.	1.2	28
36	Cucurbiturils in Drug Delivery And For Biomedical Applications. Monographs in Supramolecular Chemistry, 2013, , 164-212.	0.2	23

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37	In-cage and out-of-cage combinations of benzylic radical pairs in the glassy and melted states of poly(alkyl methacrylate)s. Photochemical and Photobiological Sciences, 2012, 11, 914-924.	1.6	7
38	Interactions of Amino Acids and Polypeptides with Metal Oxide Nanoparticles Probed by Fluorescent Indicator Adsorption and Displacement. ACS Nano, 2012, 6, 5668-5679.	7.3	49
39	Strongly Fluorescent, Switchable Perylene Bis(diimide) Hostâ€"Guest Complexes with Cucurbit[8]uril In Water. Angewandte Chemie - International Edition, 2012, 51, 7739-7743.	7.2	199
40	The strategic use of supramolecular pKa shifts to enhance the bioavailability of drugs. Advanced Drug Delivery Reviews, 2012, 64, 764-783.	6.6	310
41	Effect of Î±-cyclodextrin on the optical and surface-morphological properties of pyreneâ€"triazole azomethine oligomers. Chemical Physics Letters, 2012, 535, 120-125.	1.2	16
42	Effect of cucurbit[n]urils on tropicamide and potential application in ocular drug delivery. Supramolecular Chemistry, 2011, 23, 650-656.	1.5	40
43	A coumarin-based fluorescent PET sensor utilizing supramolecular pKa shifts. Tetrahedron Letters, 2011, 52, 5249-5254.	0.7	33
44	Supramolecular encapsulation of benzimidazole-derived drugs by cucurbit[7]uril. Canadian Journal of Chemistry, 2011, 89, 139-147.	0.6	133
45	Effect of Rotaxane Formation on the Photophysical, Morphological, and Adhesion Properties of Poly[2,7â€(9,9â€dioctylfluorene)â€<i>alt</i>â€(5,5'â€bithiophene)] Mainâ€Chain Polyrotaxanes. Macromolecular Chemistry and Physics, 2011, 212, 1022-1031.	1.1	22
46	Discrepancies between Conformational Distributions of a Polyalanine Peptide in Solution Obtained from Molecular Dynamics Force Fields and Amide Iâ€² Band Profiles. Journal of Physical Chemistry B, 2010, 114, 17201-17208.	1.2	38
47	Selective time-resolved binding of copper(ii) by pyropheophorbide-a methyl ester. Photochemical and Photobiological Sciences, 2010, 9, 649-654.	1.6	9
48	Polyrotaxanes of Pyreneâ€"Triazole Conjugated Azomethine and <i>Î±</i>â€Cyclodextrin with High Fluorescence Properties. Macromolecular Chemistry and Physics, 2009, 210, 1440-1449.	1.1	24
49	Morphology and properties of a polyrotaxane based on Î³-cyclodextrin and a polyfluorene copolymer. Chemical Physics Letters, 2008, 465, 96-101.	1.2	20