

# Indrajit Ghosh

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Reduction of aryl halides by consecutive visible light-induced electron transfer processes. <i>Science</i> , 2014, 346, 725-728.	6.0	860
2	Visible Light Mediated Photoredox Catalytic Arylation Reactions. <i>Accounts of Chemical Research</i> , 2016, 49, 1566-1577.	7.6	618
3	Organic semiconductor photocatalyst can bifunctionalize arenes and heteroarenes. <i>Science</i> , 2019, 365, 360-366.	6.0	416
4	Photoredox Catalytic Organic Transformations using Heterogeneous Carbon Nitrides. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15936-15947.	7.2	339
5	The strategic use of supramolecular pKa shifts to enhance the bioavailability of drugs. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 764-783.	6.6	310
6	Chromoselective Photocatalysis: Controlled Bond Activation through Light-Color Regulation of Redox Potentials. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7676-7679.	7.2	274
7	Strongly Fluorescent, Switchable Perylene Bis(diimide) Host-Guest Complexes with Cucurbit[8]uril In Water. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7739-7743.	7.2	199
8	Sensitization-Initiated Electron Transfer for Photoredox Catalysis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8544-8549.	7.2	198
9	Visible light C-H amidation of heteroarenes with benzoyl azides. <i>Chemical Science</i> , 2015, 6, 987-992.	3.7	156
10	Supramolecular encapsulation of benzimidazole-derived drugs by cucurbit[7]uril. <i>Canadian Journal of Chemistry</i> , 2011, 89, 139-147.	0.6	133
11	Anthraquinones as Photoredox Catalysts for the Reductive Activation of Aryl Halides. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 34-40.	1.2	98
12	Efficient Host-Guest Energy Transfer in Polycationic Cyclophane-Perylene Diimide Complexes in Water. <i>Journal of the American Chemical Society</i> , 2014, 136, 9053-9060.	6.6	97
13	Farbselektive Photokatalyse: kontrollierte Bindungsaktivierung durch Redoxpotentialregulation über die Anregungslichtfarbe. <i>Angewandte Chemie</i> , 2016, 128, 7806-7810.	1.6	94
14	Quantum Dots in Visible-Light Photoredox Catalysis: Reductive Dehalogenations and C-H Arylation Reactions Using Aryl Bromides. <i>Chemistry of Materials</i> , 2017, 29, 5225-5231.	3.2	71
15	Synthesis of pyrrolo[1,2-a]quinolines and ullazines by visible light mediated one- and twofold annulation of N-arylpyrroles with arylalkynes. <i>Chemical Communications</i> , 2016, 52, 8695-8698.	2.2	70
16	Metal-Free Photocatalyzed Cross Coupling of Bromoheteroarenes with Pyrroles. <i>ACS Catalysis</i> , 2016, 6, 6780-6784.	5.5	69
17	Photoredoxkatalyse durch sensibilisierten Elektronentransfer. <i>Angewandte Chemie</i> , 2017, 129, 8664-8669.	1.6	63
18	Direct C-H Phosphonylation of Electron-Rich Arenes and Heteroarenes by Visible-Light Photoredox Catalysis. <i>Chemistry - A European Journal</i> , 2017, 23, 12120-12124.	1.7	63

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19	Photo-Ni-Dual-Catalytic C(sp <sup>2</sup> )â€C(sp <sup>3</sup> ) Cross-Coupling Reactions with Mesoporous Graphitic Carbon Nitride as a Heterogeneous Organic Semiconductor Photocatalyst. ACS Catalysis, 2020, 10, 3526-3532.	5.5	63
20	Photoredoxkatalytische organische Umwandlungen an heterogenen Kohlenstoffnitriden. Angewandte Chemie, 2018, 130, 16164-16176.	1.6	55
21	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
22	Synthesis of Arylated Nucleobases by Visible Light Photoredox Catalysis. Journal of Organic Chemistry, 2017, 82, 3552-3560.	1.7	44
23	Reply to "Photoredox Catalysis: The Need to Elucidate the Photochemical Mechanism" Angewandte Chemie - International Edition, 2017, 56, 12822-12824.	7.2	44
24	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
25	Effect of cucurbit[n]urils on tropicamide and potential application in ocular drug delivery. Supramolecular Chemistry, 2011, 23, 650-656.	1.5	40
26	Single-molecule photoredox catalysis. Chemical Science, 2019, 10, 681-687.	3.7	40
27	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
28	Excited-state properties of fluorenones: influence of substituents, solvent and macrocyclic encapsulation. Physical Chemistry Chemical Physics, 2014, 16, 16436-16445.	1.3	38
29	Metal-free Semiconductor Photocatalysis for sp <sup>2</sup> Câ€H Functionalization with Molecular Oxygen. ChemCatChem, 2019, 11, 703-706.	1.8	37
30	A coumarin-based fluorescent PET sensor utilizing supramolecular pKa shifts. Tetrahedron Letters, 2011, 52, 5249-5254.	0.7	33
31	Diffusion-Enhanced FÃrster 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
32	Helicity-Dependent Regiodifferentiation in the Excited-State Quenching and Chiroptical Properties of Inward/Outward Helical Coumarins. Chemistry - A European Journal, 2017, 23, 14797-14805.	1.7	25
33	Polyrotaxanes of Pyrene-Triazole Conjugated Azomethine and $\alpha$ -Cyclodextrin with High Fluorescence Properties. Macromolecular Chemistry and Physics, 2009, 210, 1440-1449.	1.1	24
34	Cucurbiturils in Drug Delivery And For Biomedical Applications. Monographs in Supramolecular Chemistry, 2013, , 164-212.	0.2	23
35	Effect of Rotaxane Formation on the Photophysical, Morphological, and Adhesion Properties of Poly[2,7-(9,9-diethylfluorene)-alt-(5,5'-bithiophene)] Main-Chain Polyrotaxanes. Macromolecular Chemistry and Physics, 2011, 212, 1022-1031.	1.1	22
36	Air-Sensitive Photoredox Catalysis Performed under Aerobic Conditions in Gel Networks. Journal of Organic Chemistry, 2018, 83, 7928-7938.	1.7	22

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37	Morphology and properties of a polyrotaxane based on $\beta$ -cyclodextrin and a polyfluorene copolymer. <i>Chemical Physics Letters</i> , 2008, 465, 96-101.	1.2	20
38	Chemical Photocatalysis with Rhodamine 6G: Investigation of Photoreduction by Simultaneous Fluorescence Correlation Spectroscopy and Fluorescence Lifetime Measurements. <i>Journal of Physical Chemistry B</i> , 2018, 122, 10728-10735.	1.2	19
39	All-organic Z-scheme photoreduction of CO <sub>2</sub> with water as the donor of electrons and protons. <i>Applied Catalysis B: Environmental</i> , 2021, 285, 119773.	10.8	19
40	Reply to "Photoredox Catalysis: The Need to Elucidate the Photochemical Mechanism". <i>Angewandte Chemie</i> , 2017, 129, 12998-13000.	1.6	17
41	Effect of $\beta$ -cyclodextrin on the optical and surface-morphological properties of pyrene-triazole azomethine oligomers. <i>Chemical Physics Letters</i> , 2012, 535, 120-125.	1.2	16
42	Photochemical Functionalization of Helicenes. <i>Chemistry - A European Journal</i> , 2020, 26, 543-547.	1.7	15
43	Synthesis, Photophysical, and Morphological Properties of Azomethine-Persilylated $\beta$ -Cyclodextrin Main-Chain Polyrotaxane. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 662-670.	1.1	12
44	Selective time-resolved binding of copper(ii) by pyropheophorbide-a methyl ester. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 649-654.	1.6	9
45	In-cage and out-of-cage combinations of benzylic radical pairs in the glassy and melted states of poly(alkyl methacrylate)s. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 914-924.	1.6	7
46	Excited radical anions and excited anions in visible light photoredox catalysis. <i>Physical Sciences Reviews</i> , 2019, 4, .	0.8	4
47	Two Orders of Magnitude Variation of Diffusion-Enhanced Förster Resonance Energy Transfer in Polypeptide Chains. <i>Polymers</i> , 2018, 10, 1079.	2.0	2
48	14 Organic Dyes in Photocatalytic Reductive C-H Arylations. , 2019, , .		2
49	12. Excited radical anions and excited anions in visible light photoredox catalysis. , 2020, , 285-300.		0