

# Sanjoy Mukherjee

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

2,598  
citations

218381

26  
h-index

189595

50  
g-index

57  
all docs

57  
docs citations

57  
times ranked

3730  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in purely organic phosphorescent materials. <i>Chemical Communications</i> , 2015, 51, 10988-11003.	2.2	399
2	Boron clusters in luminescent materials. <i>Chemical Communications</i> , 2016, 52, 1070-1093.	2.2	266
3	Organic white-light emitting materials. <i>Dyes and Pigments</i> , 2014, 110, 2-27.	2.0	247
4	Stimuli and shape responsive boron-containing luminescent organic materials. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2647-2662.	2.7	154
5	Novel mitochondria targeted copper complexes of ferrocenyl terpyridine and anticancer active 8-hydroxyquinolines showing remarkable cytotoxicity, DNA and protein binding affinity. <i>Dalton Transactions</i> , 2017, 46, 396-409.	1.6	97
6	Dual emissive borane-BODIPY dyads: molecular conformation control over electronic properties and fluorescence response towards fluoride ions. <i>Chemical Communications</i> , 2013, 49, 993-995.	2.2	90
7	Molecular flexibility tuned emission in V-shaped naphthalimides: Hg(II) detection and aggregation-induced emission enhancement (AIEE). <i>Chemical Communications</i> , 2013, 49, 7292.	2.2	82
8	Dual Binding Site Assisted Chromogenic and Fluorogenic Recognition and Discrimination of Fluoride and Cyanide by a Peripherally Borylated Metalloporphyrin: Overcoming Anion Interference in Organoboron Based Sensors. <i>Analytical Chemistry</i> , 2014, 86, 3616-3624.	3.2	81
9	Room temperature 3D printing of super-soft and solvent-free elastomers. <i>Science Advances</i> , 2020, 6, .	4.7	81
10	Stable Radical Materials for Energy Applications. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2018, 9, 83-103.	3.3	70
11	Renaissance of Organic Triboluminescent Materials. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7922-7932.	7.2	65
12	Engineering Li/Na selectivity in 12-Crown-4 functionalized polymer membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	65
13	Multichannel-Emissive V-Shaped Boryl-BODIPY Dyads: Synthesis, Structure, and Remarkably Diverse Response toward Fluoride. <i>Inorganic Chemistry</i> , 2014, 53, 4813-4823.	1.9	64
14	Insights into the AIEE of 1,8-Naphthalimides (NPIs): Inverse Effects of Intermolecular Interactions in Solution and Aggregates. <i>Chemistry - A European Journal</i> , 2014, 20, 8012-8023.	1.7	63
15	Super-soft solvent-free bottlebrush elastomers for touch sensing. <i>Materials Horizons</i> , 2020, 7, 181-187.	6.4	63
16	Fine-tuning Dual Emission and Aggregation-Induced Emission Switching in NPI-BODIPY Dyads. <i>Chemistry - A European Journal</i> , 2014, 20, 9052-9062.	1.7	55
17	Radical polymers as interfacial layers in inverted hybrid perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23831-23839.	5.2	44
18	Revisiting Borylanilines: Unique Solid-State Structures and Insight into Photophysical Properties. <i>Organometallics</i> , 2013, 32, 3129-3133.	1.1	43

#	ARTICLE	IF	CITATIONS
19	Going beyond Red with a Tri- and Tetracoordinate Boron Conjugate: Intriguing Near-IR Optical Properties and Applications in Anion Sensing. <i>Inorganic Chemistry</i> , 2014, 53, 2343-2345.	1.9	39
20	Visible light-induced cytotoxicity of a dinuclear iron(III) complex of curcumin with low-micromolar IC50 value in cancer cells. <i>Inorganica Chimica Acta</i> , 2016, 439, 8-17.	1.2	39
21	Mitochondrial selectivity and remarkable photocytotoxicity of a ferrocenyl neodymium( <sup>iii</sup> ) complex of terpyridine and curcumin in cancer cells. <i>Dalton Transactions</i> , 2016, 45, 6424-6438.	1.6	38
22	Highly Transparent Crosslinkable Radical Copolymer Thin Film as the Ion Storage Layer in Organic Electrochromic Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 18956-18963.	4.0	37
23	Universal Approach to Photo-Crosslink Bottlebrush Polymers. <i>Macromolecules</i> , 2020, 53, 1090-1097.	2.2	34
24	Efficient Synthesis of Asymmetric Miktoarm Star Polymers. <i>Macromolecules</i> , 2020, 53, 702-710.	2.2	33
25	Fine-tuning solid-state luminescence in NPIs (1,8-naphthalimides): impact of the molecular environment and cumulative interactions. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 20866-20877.	1.3	29
26	Panchromatic Borane-aza-BODIPY Conjugate: Synthesis, Intriguing Optical Properties, and Selective Fluorescent Sensing of Fluoride Anions. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 2338-2344.	1.0	29
27	Organic Radical Polymers. <i>SpringerBriefs in Materials</i> , 2017, , .	0.1	26
28	Effect of alkyl substituents in BODIPYs: a comparative DFT computational investigation. <i>RSC Advances</i> , 2015, 5, 2706-2714.	1.7	25
29	Controlling open-shell loading in norbornene-based radical polymers modulates the solid-state charge transport exponentially. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017, 55, 1516-1525.	2.4	24
30	Fabrication of silver nanostructures using femtosecond laser-induced photoreduction. <i>Nanotechnology</i> , 2017, 28, 505302.	1.3	24
31	Tuning the solid state emission of meso-Me3SiC6H4 BODIPYs by tuning their solid state structure. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4691.	2.7	22
32	Ferrocene conjugated copper(II) complexes of terpyridine and traditional Chinese medicine (TCM) anticancer ligands showing selective toxicity towards cancer cells. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4287.	1.7	22
33	Design Aspects of Luminescent Organic Crystals. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2014, 84, 131-149.	0.8	18
34	Enhancing polymer thermoelectric performance using radical dopants. <i>Organic Electronics</i> , 2017, 51, 243-248.	1.4	14
35	Photocytotoxic ternary copper(II) complexes of histamine Schiff base and pyridyl ligands. <i>Journal of Chemical Sciences</i> , 2016, 128, 165-175.	0.7	13
36	Origins of Lithium/Sodium Reverse Permeability Selectivity in 12-Crown-4-Functionalized Polymer Membranes. <i>ACS Macro Letters</i> , 2021, 10, 1167-1173.	2.3	13

#	ARTICLE	IF	CITATIONS
37	A Complementary Aggregation Induced Emission Pair for Generating White Light and Four-Colour (RGB) Tj ETQq <sub>1.5</sub> 0.7843 <sub>11</sub> rgBT	1.5	11
38	Cholesterol: A Key in the Pathogenesis of Alzheimer's Disease. ChemMedChem, 2018, 13, 1742-1743.	1.6	11
39	Renaissance of Organic Triboluminescent Materials. Angewandte Chemie, 2019, 131, 8004-8014.	1.6	10
40	Photoinduced DNA Crosslink Formation by Dichloridooxidovanadium(IV) Complexes of Polypyridyl Bases. European Journal of Inorganic Chemistry, 2015, 2015, 3986-3990.	1.0	9
41	Design of a three-state switchable chromogenic radical-based moiety and its translation to molecular logic systems. Molecular Systems Design and Engineering, 2017, 2, 159-164.	1.7	8
42	Frustrated Lewis pairs: Design and reactivity. Journal of Chemical Sciences, 2015, 127, 241-255.	0.7	7
43	Yielding Behavior of Bottlebrush and Linear Block Copolymers. Macromolecules, 2021, 54, 5636-5647.	2.2	7
44	Radical Polymers Alter the Carrier Properties of Semiconducting Carbon Nanotubes. ACS Applied Polymer Materials, 2019, 1, 204-210.	2.0	5
45	Synthesis and spectral characterization of cyclotriphosphazene based 18-membered macrocycles. Inorganica Chimica Acta, 2012, 390, 163-166.	1.2	4
46	Energetic Microparticle Adhesion to Functionalized Surfaces. Propellants, Explosives, Pyrotechnics, 2018, 43, 862-868.	1.0	3
47	Tuning the interfacial and energetic interactions between a photoexcited conjugated polymer and open-shell small molecules. Soft Matter, 2019, 15, 1413-1422.	1.2	3
48	Redox-Active Polymeric Ionic Liquids with Pendant N-Substituted Phenothiazine. ACS Applied Materials & Interfaces, 2021, 13, 5319-5326.	4.0	3
49	Applications of Radical Polymers in Solid-State Devices. SpringerBriefs in Materials, 2017, , 57-71.	0.1	2
50	Frustrated Lewis Pairs. Resonance, 2014, 19, 1017-1027.	0.2	1
51	A Complementary Aggregation Induced Emission Pair for Generating White Light and Four-Colour (RGB) Tj ETQq <sub>1.5</sub> 0.7843 <sub>0</sub> rgBT	1.5	0