

# Sanjib Banerjee

## List of Publications by Year in descending order

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62  
papers

1,290  
citations

346980

22  
h-index

445137

33  
g-index

62  
all docs

62  
docs citations

62  
times ranked

1628  
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile access to template-shape-replicated nitrogen-rich mesoporous carbon nanospheres for highly efficient CO <sub>2</sub> capture and contaminant removal. <i>Materials Advances</i> , 2022, 3, 665-671.	2.6	8
2	Ultrafast and green ionic liquid-mediated controlled cationic polymerization towards amphiphilic diblock copolymers. <i>Polymer Chemistry</i> , 2022, 13, 517-526.	1.9	3
3	Facile Fabrication of Functional Mesoporous Polymer Nanospheres for CO <sub>2</sub> Capture. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 1140-1147.	1.8	3
4	Straightforward synthesis of multifunctional porous polymer nanomaterials for CO <sub>2</sub> capture and removal of contaminants. <i>Polymer Chemistry</i> , 2022, 13, 2165-2172.	1.9	3
5	An amino acid-derived ABCBA-type antifouling biohybrid with multi-stimuli responsivity and contaminant removal capability. <i>Polymer Chemistry</i> , 2022, 13, 1960-1969.	1.9	4
6	Enhancement of electrochemical performances of Li-S batteries using PPEsk and <i>Nelumbo nucifera</i> derived porous carbon modified separator. <i>Materials Letters</i> , 2022, 315, 131935.	1.3	4
7	Multi-stimuli responsive amphiphilic diblock copolymers by a combination of ionic liquid-mediated cationic polymerization and recyclable alloy nanoparticle-mediated photoRDRP. <i>European Polymer Journal</i> , 2022, 175, 111348.	2.6	4
8	Ultrafast, green and recyclable photoRDRP in an ionic liquid towards multi-stimuli responsive amphiphilic copolymers. <i>Polymer Chemistry</i> , 2021, 12, 4954-4960.	1.9	6
9	Well-Defined Fluorinated Copolymers: Current Status and Future Perspectives. <i>Accounts of Materials Research</i> , 2021, 2, 242-251.	5.9	31
10	Anisotropic and Self-Healing Copolymer with Multiresponsive Capability via Recyclable Alloy-Mediated RDRP. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2100096.	2.0	7
11	<sc>Histidine-Derived Smart Antifouling Biohybrid with Multistimuli Responsivity. <i>Biomacromolecules</i> , 2021, 22, 3941-3949.	2.6	9
12	Facile access to functional polyacrylates with dual stimuli response and tunable surface hydrophobicity. <i>Polymer Chemistry</i> , 2021, 12, 3042-3051.	1.9	9
13	Six-Membered Rings with Two or More Heteroatoms With at Least One Silicon to Lead. , 2021, , .		0
14	Recoverable and recyclable nickel-cobalt magnetic alloy nanoparticle catalyzed reversible deactivation radical polymerization of methyl methacrylate at 25 °C. <i>Polymer Chemistry</i> , 2020, 11, 287-291.	1.9	10
15	Macromolecular engineering approach for the preparation of new architectures from fluorinated olefins and their applications. <i>Progress in Polymer Science</i> , 2020, 106, 101255.	11.8	46
16	Emerging Opportunities in Polymerization of Alkyl 2-(Trifluoromethyl)acrylates and 2-(Trifluoromethyl)acrylic Acid and Their Applications. , 2020, , 735-779.		2
17	Tryptophan-based styryl homopolymer and polyzwitterions with solvent-induced UCST, ion-induced LCST and pH-induced UCST. <i>Polymer Chemistry</i> , 2019, 10, 526-538.	1.9	22
18	Functional fluorinated polymer materials and preliminary self-healing behavior. <i>Polymer Chemistry</i> , 2019, 10, 1993-1997.	1.9	24



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37	Kinetic and mechanistic aspects of the iodine transfer copolymerization of vinylidene fluoride with 2,3,3,3-tetrafluoro-1-propene and functionalization into 1%-hydroxy fluorinated copolymers. <i>Polymer Chemistry</i> , 2016, 7, 6099-6109.	1.9	15
38	Nitroxide-Mediated Alternating Copolymerization of Vinyl Acetate with <i>tert</i> -Butyl-2-trifluoromethacrylate Using a SG1-Based Alkoxyamine. <i>ACS Macro Letters</i> , 2016, 5, 1232-1236.	2.3	39
39	Living cationic polymerization and polyhomologation: an ideal combination to synthesize functionalized polyethylene- <i>co</i> -polyisobutylene block copolymers. <i>Polymer Chemistry</i> , 2016, 7, 1217-1220.	1.9	24
40	Self-healing polymer sealant for encapsulating flexible solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2016, 145, 418-422.	3.0	45
41	Cationic Polymerization of Nonpolar Vinyl Monomers for Producing High Performance Polymers. , 2016, , .		3
42	Combined atom-transfer radical polymerization and ring-opening polymerization to design polymer-polypeptide copolymer conjugates toward self-aggregated hybrid micro/nanospheres for dye encapsulation. <i>Journal of Polymer Science Part A</i> , 2015, 53, 2313-2319.	2.5	25
43	Structural characterization of telechelic polyisobutylene diol. <i>Journal of Chromatography A</i> , 2015, 1376, 98-104.	1.8	13
44	Photoinduced Smart, Self-Healing Polymer Sealant for Photovoltaics. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 2064-2072.	4.0	110
45	Dual-Stimuli-Responsive <i>l</i> -Serine-Based Zwitterionic UCST-Type Polymer with Tunable Thermosensitivity. <i>Macromolecules</i> , 2015, 48, 4957-4966.	2.2	100
46	Polymerization of isobutylene catalyzed by EtAlCl <sub>2</sub> /bis(2-chloroethyl) ether complex in steel vessels. <i>Polymer Chemistry</i> , 2015, 6, 4902-4910.	1.9	23
47	Kinetic and Mechanistic Studies of the Polymerization of Isobutylene Catalyzed by EtAlCl <sub>2</sub> /Bis(2-chloroethyl) Ether Complex in Hexanes. <i>Macromolecules</i> , 2015, 48, 5474-5480.	2.2	30
48	Diblock Copolymers with Miscible Blocks via One-Pot Sequential Cationic Polymerization and Their Block Length-Dependent Vesicular Aggregation. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 440-451.	1.1	9
49	Fluorescent Amphiphilic PEG- <i>co</i> -Peptide- <i>co</i> -PEG Triblock Conjugate Micelles for Cell Imaging. <i>Macromolecular Bioscience</i> , 2014, 14, 929-935.	2.1	17
50	Specific Counterion Repercussions on the Thermal, pH-Response, and Electrochemical Properties of Side-Chain Leucine Based Chiral Polyelectrolytes. <i>Langmuir</i> , 2014, 30, 13430-13437.	1.6	11
51	In situ synthesis of ultra-small platinum nanoparticles using a water soluble polyphenolic polymer with high catalytic activity. <i>RSC Advances</i> , 2014, 4, 51745-51753.	1.7	13
52	Graft copolymers via combination of cationic polymerization and atom transfer radical polymerization and their phase separation into spherical/worm-like nanostructures. <i>Colloid and Polymer Science</i> , 2014, 292, 2217-2226.	1.0	9
53	Surface confined atom transfer radical polymerization: access to custom library of polymer-based hybrid materials for speciality applications. <i>Polymer Chemistry</i> , 2014, 5, 4153.	1.9	38
54	Control of Molecular Weight and Tacticity in Stereospecific Living Cationic Polymerization of <i>±</i> -Methylstyrene at 0 °C Using FeCl <sub>3</sub> -Based Initiators: Effect of Tacticity on Thermal Properties. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 1332-1344.	1.1	22

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55	Aminoâ€Acidâ€Based Zwitterionic Polymer and Its Cu(II)â€Induced Aggregation into Nanostructures: A Template for CuS and CuO Nanoparticles. <i>Macromolecular Rapid Communications</i> , 2013, 34, 1480-1486.	2.0	31
56	In situ prepared mesoporous silica nanosphere supported palladium(ii) 2-aminopyridine complex catalyst for Suzukiâ€Miyaura cross-coupling reaction in water. <i>Journal of Materials Chemistry</i> , 2012, 22, 20434.	6.7	24
57	Peptideâ€poly(Îµâ€caprolactone) biohybrids by graftingâ€from ringâ€opening polymerization: Synthesis, aggregation, and crystalline properties. <i>Journal of Polymer Science Part A</i> , 2012, 50, 2130-2141.	2.5	16
58	Surfaceâ€Confined Atom Transfer Radical Polymerization from Sacrificial Mesoporous Silica Nanospheres for Preparing Mesoporous Polymer/Carbon Nanospheres with Faithful Shape Replication: Functional Mesoporous Materials. <i>Advanced Functional Materials</i> , 2012, 22, 4751-4762.	7.8	29
59	Room temperature living cationic polymerization of styrene with HX-styrenic monomer adduct/FeCl <sub>3</sub> systems in the presence of tetrabutylammonium halide and tetraalkylphosphonium bromide salts. <i>Polymer</i> , 2010, 51, 1258-1269.	1.8	27
60	Free radical polymerization of alkyl methacrylates with N,N-dimethylanilinium p-toluenesulfonate at above ambient temperature: a quasi-living system. <i>Polymer Chemistry</i> , 2010, 1, 1689.	1.9	1
61	Ultrasound-Induced In Situ Formation of Coordination Organogels from Isobutyric Acids and Zinc Oxide Nanoparticles. <i>Langmuir</i> , 2010, 26, 6576-6582.	1.6	13
62	Peptideâ€Polymer Bioconjugates via Atom Transfer Radical Polymerization and Their Solution Aggregation into Hybrid Micro/Nanospheres for Dye Uptake. <i>Macromolecules</i> , 2010, 43, 4050-4061.	2.2	41