

Binoy Maiti

List of Publications by Year in descending order

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26
papers

576
citations

567281

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times ranked

837
citing authors

#	ARTICLE	IF	CITATIONS
1	Multimodal Fluorescent Polymer Sensor for Highly Sensitive Detection of Nitroaromatics. <i>Scientific Reports</i> , 2019, 9, 7269.	3.3	61
2	Design of a novel FRET based fluorescent chemosensor and their application for highly sensitive detection of nitroaromatics. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 2628-2634.	7.8	55
3	RAFT polymerization of fatty acid containing monomers: controlled synthesis of polymers from renewable resources. <i>RSC Advances</i> , 2013, 3, 24983.	3.6	54
4	The Prospect of Photochemical Reactions in Confined Gel Media. <i>Accounts of Chemical Research</i> , 2019, 52, 1865-1876.	15.6	43
5	POSS-induced enhancement of mechanical strength in RAFT-made thermoresponsive hydrogels. <i>Polymer Chemistry</i> , 2015, 6, 5077-5085.	3.9	35
6	3D Printed Polymeric Hydrogels for Nerve Regeneration. <i>Polymers</i> , 2018, 10, 1041.	4.5	29
7	Thermoresponsive Shape-Memory Hydrogel Actuators Made by Phototriggered Click Chemistry. <i>Advanced Functional Materials</i> , 2020, 30, 2001683.	14.9	29
8	Controlled RAFT synthesis of side-chain oleic acid containing polymers and their post-polymerization functionalization. <i>RSC Advances</i> , 2014, 4, 56415-56423.	3.6	28
9	Carbohydrate-Conjugated Amino Acid-Based Fluorescent Block Copolymers: Their Self-Assembly, pH Responsiveness, and/or Lectin Recognition. <i>Langmuir</i> , 2015, 31, 9422-9431.	3.5	28
10	Hydrogen bonding driven self-assembly of side-chain amino acid and fatty acid appended poly(methacrylate)s: Gelation and application in oil spill recovery. <i>Journal of Polymer Science Part A</i> , 2019, 57, 511-521.	2.3	26
11	Highly Sensitive Detection of Nitro Compounds Using a Fluorescent Copolymer-Based FRET System. <i>ACS Applied Polymer Materials</i> , 2021, 3, 4017-4026.	4.4	26
12	Self-assembly of well-defined fatty acid based amphiphilic thermoresponsive random copolymers. <i>RSC Advances</i> , 2016, 6, 19322-19330.	3.6	25
13	Synthetic polymeric variant of S-adenosyl methionine synthetase. <i>Polymer Chemistry</i> , 2015, 6, 7796-7800.	3.9	22
14	Exploring the post-polymerization modification of side-chain amino acid containing polymers via Michael addition reactions. <i>Reactive and Functional Polymers</i> , 2015, 91-92, 35-42.	4.1	18
15	Surface functionalized nano-objects from oleic acid-derived stabilizer via non-polar RAFT dispersion polymerization. <i>Journal of Polymer Science Part A</i> , 2017, 55, 263-273.	2.3	16
16	Degradable Crystalline Polyperoxides from Fatty Acid Containing Styrenic Monomers. <i>Macromolecules</i> , 2018, 51, 8912-8921.	4.8	16
17	A dual Turn-on/Turn-off FRET sensor for highly sensitive and selective detection of lead and methylene blue based on fluorescent dansyl tagged copolymer and small molecule diketopyrrolopyrrole. <i>Polymer Testing</i> , 2019, 79, 105997.	4.8	13
18	Side-chain amino acid based cationic polymer induced actin polymerization. <i>Journal of Materials Chemistry B</i> , 2017, 5, 1218-1226.	5.8	12

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19	Functionalâ€Polymer Library through Postâ€Polymerization Modification of Copolymers Having Oleate and Pentafluorophenyl Pendants. Chemistry - A European Journal, 2017, 23, 15156-15165.	3.3	12
20	Methionine-based carbon monoxide releasing polymer for the prevention of biofilm formation. Polymer Chemistry, 2021, 12, 3968-3975.	3.9	9
21	A pHâ€Triggered Polymer Degradation or Drug Delivery System by Lightâ€Mediated Cis / Trans Isomerization of o â€Hydroxy Cinnamates. Macromolecular Rapid Communications, 2021, 42, 2100213.	3.9	7
22	Biomass-derived isosorbide-based thermoresponsive hydrogel for drug delivery. Soft Matter, 2022, 18, 4963-4972.	2.7	6
23	Actuators Displaying Unidirectional Movement. Advanced Intelligent Systems, 2021, 3, 2000214.	6.1	2
24	An air-tolerant polymer gel-immobilized iridium photocatalyst with pumping recyclability properties. Chemical Communications, 2021, 57, 7762-7765.	4.1	2
25	Efficient Oneâ€Pot Preparation of Thermoresponsive Polyurethanes with Lower Critical Solution Temperatures. ChemPlusChem, 2021, 86, 1570-1576.	2.8	2
26	Gele als Reaktoren. Nachrichten Aus Der Chemie, 2020, 68, 70-74.	0.0	0