

Mousumi Deb

List of Publications by Year in descending order

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15
papers

415
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759055

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1058333

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319
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbohydrate and collagen-based doubly-grafted interpenetrating terpolymer hydrogel via Nâ€“H activated in situ allocation of monomer for superadsorption of Pb(II), Hg(II), dyes, vitamin-C, and p-nitrophenol. <i>Journal of Hazardous Materials</i> , 2019, 369, 746-762.	6.5	71
2	An <i>in situ</i> approach for the synthesis of a gum ghatti-interpenetrating terpolymer network hydrogel for the high-performance adsorption mechanism evaluation of Cd(ⁱⁱ), Pb(ⁱⁱ), Bi(ⁱⁱⁱ) and Sb(ⁱⁱⁱ). <i>Journal of Materials Chemistry A</i> , 2018, 6, 8078-8100.	5.2	68
3	In Situ Allocation of a Monomer in Pectin-Terpolymer Hydrogels and Effect of Comonomer Compositions on Superadsorption of Metal Ions/Dyes. <i>ACS Omega</i> , 2018, 3, 4163-4180.	1.6	43
4	Tetrapolymer Network Hydrogels via Gum Ghatti-Grafted and Nâ€“H/Câ€“H-Activated Allocation of Monomers for Composition-Dependent Superadsorption of Metal Ions. <i>ACS Omega</i> , 2018, 3, 10692-10708.	1.6	32
5	Fluorescent Guar Gum-Terpolymer via In Situ Acrylamido-Acid Fluorophore-Monomer in Cell Imaging, Pb(II) Sensor, and Security Ink. <i>ACS Applied Bio Materials</i> , 2020, 3, 1995-2006.	2.3	30
6	Synthesis of Biocompatible Aliphatic Terpolymers via In Situ Fluorescent Monomers for Three-in-One Applications: Polymerization of Hydrophobic Monomers in Water. <i>Langmuir</i> , 2020, 36, 6178-6187.	1.6	28
7	In Situ Attachment of Acrylamido Sulfonic Acid-Based Monomer in Terpolymer Hydrogel Optimized by Response Surface Methodology for Individual and/or Simultaneous Removal(s) of M(III) and Cationic Dyes. <i>ACS Omega</i> , 2019, 4, 1763-1780.	1.6	27
8	Fluorescent Terpolymers Using Two Non-Emissive Monomers for Cr(III) Sensors, Removal, and Bio-Imaging. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 1397-1407.	2.6	26
9	Review on additives-based structure-property alterations in dyeing of collagenic matrices. <i>Journal of Molecular Liquids</i> , 2019, 293, 111470.	2.3	21
10	Light-Emitting Multifunctional Maleic Acid-co-2-(N-(hydroxymethyl)acrylamido)succinic Acid-co-N-(hydroxymethyl)acrylamide for Fe(III) Sensing, Removal, and Cell Imaging. <i>ACS Omega</i> , 2020, 5, 3333-3345.	1.6	20
11	Structures, Properties, and Performances Relationships of Polymeric Membranes for Pervaporative Desalination. <i>Membranes</i> , 2019, 9, 58.	1.4	16
12	Nonconjugated Biocompatible Macromolecular Luminogens for Sensing and Removals of Fe(III) and Cu(II): DFT Studies on Selective Coordination(s) and Onâ€“Off Sensing. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2000522.	2.0	13
13	Light-Emitting Redox Polymers for Sensing and Removal-Reduction of Cu(II): Roles of Hydrogen Bonding in Nonconventional Fluorescence. <i>ACS Applied Polymer Materials</i> , 2022, 4, 1643-1656.	2.0	11
14	Nontraditional Redox Active Aliphatic Luminescent Polymer for Ratiometric pH Sensing and Sensingâ€“Removalâ€“Reduction of Cu(II): Strategic Optimization of Composition. <i>Macromolecular Rapid Communications</i> , 2022, 43, .	2.0	7
15	Chitin and chitosan-based blends and composites. , 2022, , 123-203.		2