

Libin Bai

List of Publications by Year in descending order

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38
papers

462
citations

933447

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h-index

713466

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38
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38
docs citations

38
times ranked

658
citing authors

#	ARTICLE	IF	CITATIONS
1	Smart H ₂ O ₂ -Responsive Drug Delivery System Made by Halloysite Nanotubes and Carbohydrate Polymers. ACS Applied Materials & Interfaces, 2017, 9, 31626-31633.	8.0	77
2	Selective Modification of Halloysite Nanotubes with 1-Pyrenylboronic Acid: A Novel Fluorescence Probe with Highly Selective and Sensitive Response to Hyperoxide. ACS Applied Materials & Interfaces, 2015, 7, 23805-23811.	8.0	56
3	Helical columnar liquid crystals based on dendritic peptides substituted perylene bisimides. Journal of Materials Chemistry, 2011, 21, 15975.	6.7	39
4	A novel surface modification method upon halloysite nanotubes: A desirable cross-linking agent to construct hydrogels. Applied Clay Science, 2019, 182, 105259.	5.2	34
5	A facile one-step grafting of polyphosphonium onto halloysite nanotubes initiated by Ce(IV). Chemical Communications, 2019, 55, 1040-1043.	4.1	33
6	Effect of curcumin derivatives on hen egg white lysozyme amyloid fibrillation and their interaction study by spectroscopic methods. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 223, 117365.	3.9	31
7	Crystal morphology, melting behaviors and isothermal crystallization kinetics of SCF/PTT composites. Polymer Composites, 2009, 30, 87-94.	4.6	19
8	Water-Soluble Fluorescent Probes Based on Dendronized Polyfluorenes for Cell Imaging. Macromolecular Rapid Communications, 2013, 34, 539-547.	3.9	15
9	A Novel Water-Soluble Fluorescence Probe with Wash-Free Cellular Imaging Capacity Based on AIE Characteristics. Macromolecular Rapid Communications, 2017, 38, 1600684.	3.9	15
10	Ladder-Type Perylene Diimides Linked by Pyrene Bridges at Bay Area. ChemistrySelect, 2016, 1, 267-271.	1.5	10
11	Facile preparation of hyperbranched glycopolymers via an AB ₃ * inimer promoted by a hydroxy/cerium(IV) redox process. Polymer Chemistry, 2018, 9, 5024-5031.	3.9	10
12	Synthesis of linear polyglucoside and inhibition on the amyloid fibril formation of hen egg white lysozyme. International Journal of Biological Macromolecules, 2021, 166, 771-777.	7.5	10
13	A novel water-soluble fluorescent polymer based on perylene bisimides dyes: one-pot preparation and its bio-imaging. Journal of Biomaterials Science, Polymer Edition, 2016, 27, 455-471.	3.5	9
14	Microwave-assisted synthesis of 4,9-linked pyrene-based ladder conjugated polymers. Journal of Polymer Science Part A, 2017, 55, 1285-1288.	2.3	9
15	Effective Synthesis of Ladder-type Oligo(<i>p</i> -aniline)s and Poly(<i>p</i> -aniline)s via Intramolecular S _N Ar Reaction. Organic Letters, 2021, 23, 2217-2221.	4.6	9
16	Facile Synthesis of Linear and Hyperbranched Ladder Poly(<i>p</i> -Phenylene)s without Structural Defects. Macromolecular Rapid Communications, 2012, 33, 1787-1790.	3.9	8
17	Preparation of the water-soluble fluorene-containing fluorescent polymer by one-pot method. Macromolecular Research, 2015, 23, 891-897.	2.4	8
18	Graft copolymerization of styrene onto casein initiated by potassium diperiodatonickelate (IV) in alkaline medium. Journal of Applied Polymer Science, 2006, 100, 4247-4251.	2.6	7

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19	Kinetics of graft copolymerization of poly(hexanedioic acid ethylene glycol) and methyl acrylate initiated by potassium diperiodatocuprate(III). <i>Journal of Applied Polymer Science</i> , 2007, 103, 2376-2381.	2.6	7
20	Preparation of the Water-Soluble Pyrene-Containing Fluorescent Polymer by One-Pot Method. <i>Polymers</i> , 2015, 7, 2625-2637.	4.5	7
21	Hyperbranched Glycopolymers of 2-(β -D-Mannopyranose) Ethyl Methacrylate and N,N'-Methylenebisacrylamide: Synthesis, Characterization and Multivalent Recognitions with Concanavalin A. <i>Polymers</i> , 2018, 10, 171.	4.5	7
22	Synthesis backbone-dual-responsive of hyperbranched poly(bis(N,N-ethyl acrylamide))s by RAFT. <i>Macromolecular Research</i> , 2014, 22, 1196-1202.	2.4	6
23	Facile Fabrication of Multiresponsive Self-Healing Hydrogels with Logic-Gate Responses. <i>Macromolecular Chemistry and Physics</i> , 2021, 222, 2000339.	2.2	6
24	Block copolymerization of poly(ethylene glycol) and methyl acrylate using potassium diperiodatocuprate(III). <i>Journal of Applied Polymer Science</i> , 2005, 96, 2139-2145.	2.6	5
25	The Synthesis of Backbone Thermo and pH Responsive Hyperbranched Poly(Bis(N,N-Propyl Acryl) Tj ETQq1 1 0.784314 rgBT /Overlock 1	4.5	5
26	Grafting of 4-Vinyl Pyridine onto Nylon-6 Initiated by Redox System. <i>Chinese Journal of Chemistry</i> , 2011, 29, 351-355.	4.9	4
27	Preparation of porous functional polymer by a simple method and its application in high performance liquid chromatography. <i>Analytical Methods</i> , 2012, 4, 2948.	2.7	3
28	Synthesis, characterization and fluorescent properties of water-soluble glycopolymer bearing curcumin pendant residues. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 1451-1458.	1.3	3
29	Synthesis and characterization of curcumin-incorporated glycopolymers with enhanced water solubility and reduced cytotoxicity. <i>Macromolecular Research</i> , 2016, 24, 655-662.	2.4	3
30	Development of a halloysite nanotube-based 19F NMR probe as a promising detection tool for H2O2. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	1.9	2
31	Block copolymerization of poly(diethylene glycol phthalic anhydride) and methyl methacrylate initiated by potassium diperiodatonickelate(IV). <i>Journal of Applied Polymer Science</i> , 2006, 100, 1312-1317.	2.6	1
32	Facile preparation and evaluation of allylamine hydrochloride-based porous hydrogel without calcium and aluminum: an alternative candidate of phosphate binder. <i>Polymer Bulletin</i> , 2016, 73, 3371-3384.	3.3	1
33	Facile preparation of thermosensitive and water-soluble fluorescent polymer containing curcumin and its cell imaging. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2017, 66, 907-914.	3.4	1
34	A novel fluorescent glycopolymer for endogenous hydrogen peroxide imaging in living cells in a fully aqueous environment. <i>Polymer Journal</i> , 2020, 52, 481-491.	2.7	1
35	Preparation of allylamine-grafted cellulose by Ce(IV): a desirable candidate of oral phosphate binders. <i>Polymer Bulletin</i> , 2021, 78, 2537-2552.	3.3	1
36	Synthesis and characterization of the novel inimer-containing fluorene units and preparation of blue light-emitting polymers. <i>Polymer Bulletin</i> , 2011, 67, 427-439.	3.3	0

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37	Facile One-Pot Synthesis of Hyperbranched Glycopolymers in Aqueous Solution via a Hydroxy/Cu(III) Redox Process. <i>Polymers</i> , 2020, 12, 2065.	4.5	0
38	One-Pot Free Radical Polymerization/Hydroxyl-Isocyanate Reaction: A Facile Strategy to Synthesize Hyperbranched Glycopoly(MaM/IM) with Tunable Structures. <i>Macromolecules</i> , 2021, 54, 2068-2078.	4.8	0