

Xinwu Ba

List of Publications by Year in descending order

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54
papers

738
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516561

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Pyrene-functionalized halloysite nanotubes for simultaneously detecting and separating Hg(II) in aqueous media: A comprehensive comparison on interparticle and intraparticle excimers. <i>Nanotechnology Reviews</i> , 2022, 11, 2038-2049.	2.6	0
2	Preparation of allylamine-grafted cellulose by Ce(IV): a desirable candidate of oral phosphate binders. <i>Polymer Bulletin</i> , 2021, 78, 2537-2552.	1.7	1
3	Synthesis of linear polyglucoside and inhibition on the amyloid fibril formation of hen egg white lysozyme. <i>International Journal of Biological Macromolecules</i> , 2021, 166, 771-777.	3.6	10
4	Facile Fabrication of Multiresponsive Self-Healing Hydrogels with Logic-Gate Responses. <i>Macromolecular Chemistry and Physics</i> , 2021, 222, 2000339.	1.1	6
5	One-Pot Free Radical Polymerization/Hydroxyl-Isocyanate Reaction: A Facile Strategy to Synthesize Hyperbranched Glycopolymers (MaM/IM) with Tunable Structures. <i>Macromolecules</i> , 2021, 54, 2068-2078.	2.2	0
6	Photoredox Organocatalysts with Thermally Activated Delayed Fluorescence for Visible-Light-Driven Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2021, 54, 4633-4640.	2.2	12
7	Chemosensor-Anchored Halloysite Nanotubes for Detection and Removal of Hypochlorite in Water. <i>ACS Applied Nano Materials</i> , 2021, 4, 7435-7442.	2.4	15
8	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.	1.3	1
9	Stretchable, self-healable, and reprocessable chemical cross-linked ionogel electrolytes based on gelatin for flexible supercapacitors. <i>Journal of Materials Science</i> , 2020, 55, 3991-4004.	1.7	57
10	Development of a halloysite nanotube-based ¹⁹ F NMR probe as a promising detection tool for H ₂ O ₂ . <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	0.8	2
11	Multi-Color Emitting Pyrene Derivatives: Synthesis, Optoelectronic and Electroluminescent Properties. <i>ChemistrySelect</i> , 2020, 5, 12465-12469.	0.7	1
12	Eco-friendly fabrication of Au nanoparticles immobilized on tannin-aminopropyltriethoxysilane-coated halloysite nanotubes for thermally tunable catalysis. <i>Journal of Materials Science</i> , 2020, 55, 17094-17107.	1.7	17
13	Coumarin-anchored halloysite nanotubes for highly selective detection and removal of Zn(II). <i>Chemical Engineering Journal</i> , 2020, 393, 124695.	6.6	30
14	Investigate the z-average mean-square radius of gyration of star-shape polymers using the average number of subchains. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 125860.	0.9	1
15	Effect of curcumin derivatives on hen egg white lysozyme amyloid fibrillation and their interaction study by spectroscopic methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 223, 117365.	2.0	31
16	A facile one-step grafting of polyphosphonium onto halloysite nanotubes initiated by Ce(IV). <i>Chemical Communications</i> , 2019, 55, 1040-1043.	2.2	33
17	Novel Chemical Cross-Linked Ionogel Based on Acrylate Terminated Hyperbranched Polymer with Superior Ionic Conductivity for High Performance Lithium-Ion Batteries. <i>Polymers</i> , 2019, 11, 444.	2.0	22
18	Synthesis of water-soluble curcumin derivatives and their inhibition on lysozyme amyloid fibrillation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 190, 89-95.	2.0	24

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19	Facile preparation of hyperbranched glycopolymers via an AB ₃ * inimer promoted by a hydroxy/cerium(IV) redox process. <i>Polymer Chemistry</i> , 2018, 9, 5024-5031.	1.9	10
20	Synthesis and Characterization of Fully Conjugated Ladder Naphthalene Bisimide Copolymers. <i>Polymers</i> , 2018, 10, 790.	2.0	6
21	Facile Synthesis of Ladder-Type Polyacenes with Perylene-Fused Pyrene Structures. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800201.	1.1	4
22	Microwave-assisted synthesis of 4,9-linked pyrene-based ladder conjugated polymers. <i>Journal of Polymer Science Part A</i> , 2017, 55, 1285-1288.	2.5	9
23	A Novel Water-Soluble Fluorescence Probe with Wash-Free Cellular Imaging Capacity Based on AIE Characteristics. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600684.	2.0	15
24	Smart H ₂ O-Responsive Drug Delivery System Made by Halloysite Nanotubes and Carbohydrate Polymers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 31626-31633.	4.0	77
25	Investigation of a halloysite-based fluorescence probe with a highly selective and sensitive response upon hydrogen peroxide. <i>RSC Advances</i> , 2017, 7, 55067-55073.	1.7	10
26	The Synthesis of Backbone Thermo and pH Responsive Hyperbranched Poly(Bis(N,N-Propyl Acryl) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 4	2.0	5
27	Synthesis of TiO ₂ nanoparticles in the PAMAM hydrogen network template. <i>E-Polymers</i> , 2016, 16, 177-180.	1.3	4
28	Synthesis, characterization and fluorescent properties of water-soluble glycopolymer bearing curcumin pendant residues. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 1451-1458.	0.6	3
29	Ladder-Type Perylene Diimides Linked by Pyrene Bridges at Bay Area. <i>ChemistrySelect</i> , 2016, 1, 267-271.	0.7	10
30	Synthesis and characterization of curcumin-incorporated glycopolymers with enhanced water solubility and reduced cytotoxicity. <i>Macromolecular Research</i> , 2016, 24, 655-662.	1.0	3
31	The radius of gyration for a ternary self-condensing vinyl polymerization system. <i>Science China Chemistry</i> , 2015, 58, 1875-1883.	4.2	2
32	High-performance ionic liquid-based nanocomposite polymer electrolytes with anisotropic ionic conductivity prepared by coupling liquid crystal self-templating with unidirectional freezing. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2128-2134.	5.2	22
33	Synthesis of Pyrene-based Planar Conjugated Polymers and the Regioisomers by Intramolecular Cyclization. <i>Chinese Journal of Chemistry</i> , 2015, 33, 431-440.	2.6	6
34	High-efficiency grafting of halloysite nanotubes by using π -conjugated polyfluorenes via click chemistry. <i>Journal of Materials Science</i> , 2015, 50, 4387-4395.	1.7	21
35	Synthesis, Photophysics, and Self-Assembly of Furan-Embedded Heteroarenes. <i>Chemistry - A European Journal</i> , 2015, 21, 14791-14796.	1.7	35
36	Selective Modification of Halloysite Nanotubes with 1-Pyrenylboronic Acid: A Novel Fluorescence Probe with Highly Selective and Sensitive Response to Hyperoxide. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 23805-23811.	4.0	56

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37	The self-assembly behaviors of TiO ₂ nanotree in dendritic PAMAM template. <i>Colloid and Polymer Science</i> , 2015, 293, 303-306.	1.0	3
38	Synthesis backbone-dual-responsive of hyperbranched poly(bis(N,N-ethyl acrylamide))s by RAFT. <i>Macromolecular Research</i> , 2014, 22, 1196-1202.	1.0	6
39	Statistical Investigation of the Mean Size Distribution of AB ₂ /B _f Type Hyperbranched Polymer. <i>Journal of Macromolecular Science - Physics</i> , 2013, 52, 36-47.	0.4	0
40	Fluorescent water-soluble probes based on dendritic PEG substituted perylene bisimides: synthesis, photophysical properties, and live cell images. <i>Journal of Materials Chemistry</i> , 2012, 22, 6176.	6.7	42
41	Helical columnar liquid crystals based on dendritic peptides substituted perylene bisimides. <i>Journal of Materials Chemistry</i> , 2011, 21, 15975.	6.7	39
42	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.	1.7	0
43	Preparation and characterization of crosslinked poly(methylmethacrylate) heat sensitive color-developing nanocapsules. <i>Polymer Bulletin</i> , 2010, 64, 375-386.	1.7	3
44	Tunable fluorescent sensing of cysteine and homocysteine by intramolecular charge transfer. <i>Supramolecular Chemistry</i> , 2010, 22, 380-386.	1.5	10
45	Preparation and Characterization of Heat Sensitive Color-developing Microcapsules. <i>Chinese Journal of Chemistry</i> , 2009, 27, 1153-1158.	2.6	2
46	Statistical theory for hydrogen bonding fluid system of AaDd type (II): Properties of hydrogen bonding networks. <i>Science in China Series B: Chemistry</i> , 2007, 50, 11-17.	0.8	3
47	Statistical theory for hydrogen bonding fluid system of AaDd type (III): Equation of state and fluctuations. <i>Science in China Series B: Chemistry</i> , 2007, 50, 183-189.	0.8	2
48	Statistical theory for hydrogen bonding fluid system of A a D d type (I): The geometrical phase transition. <i>Science in China Series B: Chemistry</i> , 2006, 49, 499-506.	0.8	9
49	Is the polydispersity exponent of the hyperbranched polymers the 3/2 or 5/2?. <i>Science Bulletin</i> , 2006, 51, 1526-1528.	4.3	1
50	Conversion Dependence of the Mean Size of the Star-Branched Polymers Made by AB+AfType Polycondensation. <i>Macromolecules</i> , 2004, 37, 3470-3474.	2.2	6
51	Conversion Dependence of the Average Mean Square Radii of Gyration for Hyperbranched Polymers with Excluded Volume Effect. <i>Macromolecules</i> , 2002, 35, 4193-4197.	2.2	16
52	Conversion Dependence of the Average Mean-Square Radii of Gyration for Hyperbranched Polymers Formed by ABgType Monomers. <i>Macromolecules</i> , 2002, 35, 3306-3308.	2.2	10
53	Curing theory of Af- Ag type free radical polymerization (III). <i>Science in China Series B: Chemistry</i> , 2000, 43, 348-356.	0.8	2
54	Aa-Bb-type Stockmayer distribution and scaling study. <i>Macromolecules</i> , 1991, 24, 3696-3699.	2.2	23