

Qiang Ren

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Proton-conducting poly(ether sulfone ketone)s containing a high density of pendant sulfonic groups by a convenient and mild post-sulfonation. <i>Polymer Chemistry</i> , 2018, 9, 4984-4993.	3.9	51
2	Synthesis and properties of new side-chain-type poly(arylene ether sulfone)s containing tri-imidazole cations as anion-exchange membranes. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 20739-20749.	7.1	41
3	An investigation into synergistic effects of rare earth oxides on intumescent flame retardancy of polypropylene/poly (octylene- <i>co</i> -ethylene) blends. <i>Polymers for Advanced Technologies</i> , 2011, 22, 1414-1421.	3.2	35
4	Synthesis and properties of fluorinated polyimides with multi-bulky pendant groups. <i>RSC Advances</i> , 2017, 7, 26420-26427.	3.6	35
5	New fluorinated poly(ether sulfone imide)s with high thermal stability and low dielectric constant. <i>Materials Chemistry and Physics</i> , 2014, 143, 773-778.	4.0	34
6	Poly(aryl ether nitrile)s containing flexible side-chain-type quaternary phosphonium cations as anion exchange membranes. <i>Science China Materials</i> , 2020, 63, 533-543.	6.3	33
7	Synergistic effect of vermiculite on the intumescent flame retardance of polypropylene. <i>Journal of Applied Polymer Science</i> , 2011, 120, 1225-1233.	2.6	32
8	One-Pack Epoxy Foaming with CO ₂ as Latent Blowing Agent. <i>ACS Macro Letters</i> , 2015, 4, 693-697.	4.8	26
9	Anion exchange membranes with eight flexible side-chain cations for improved conductivity and alkaline stability. <i>Science China Materials</i> , 2020, 63, 2539-2550.	6.3	26
10	Synthesis and properties of new fluorene-based polyimides containing trifluoromethyl and isopropyl substituents. <i>Materials Chemistry and Physics</i> , 2014, 144, 553-559.	4.0	23
11	Sulfonated poly(aryl sulfide sulfone)s containing trisulfonated triphenylphosphine oxide moieties for proton exchange membrane. <i>Electrochimica Acta</i> , 2015, 177, 145-150.	5.2	23
12	High conductivity and alkaline stability of anion exchange membranes containing multiple flexible side-chain piperidinium ions. <i>Materials Chemistry Frontiers</i> , 2021, 5, 6904-6912.	5.9	23
13	Proton exchange membranes containing densely alkyl sulfide sulfonated side chains for vanadium redox flow battery. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 9319-9330.	7.1	21
14	Preparation of hyperbranched polymers through ATRP of in situ formed AB* monomer. <i>Journal of Applied Polymer Science</i> , 2006, 101, 850-856.	2.6	20
15	Development of Epoxy Foaming with CO ₂ as Latent Blowing Agent and Principle in Selection of Amine Curing Agent. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 11056-11064.	3.7	20
16	Synthesis of branched polystyrene by ATRP exploiting divinylbenzene as branching comonomer. <i>European Polymer Journal</i> , 2006, 42, 2573-2580.	5.4	17
17	Tailoring Stress and Ion-Transport Kinetics via a Molecular Layer Deposition-Induced Artificial Solid Electrolyte Interphase for Durable Silicon Composite Anodes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 32520-32530.	8.0	16
18	Synthesis and characterization of an aromatic diamine and its polyimides containing asymmetric large side groups. <i>Polymer Bulletin</i> , 2020, 77, 6509-6523.	3.3	15

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19	Synthesis and characterization of PEDOT aqueous dispersions with sulfonated polyfluorene as a template and doping agent. <i>Reactive and Functional Polymers</i> , 2016, 100, 83-88.	4.1	12
20	Thermo-expandable microcapsules with polyurethane as the shell. <i>Journal of Polymer Research</i> , 2020, 27, 1.	2.4	12
21	Solution Processed Coating of Polyolefin on Melamine Foams to Fabricate Tough Oil Superabsorbents. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1800436.	3.6	11
22	Characterization of poly(butyl acrylate) diols prepared via atom transfer radical polymerization and subsequent modification. <i>Journal of Polymer Research</i> , 2010, 17, 551-556.	2.4	10
23	Graphene/star polymer nanocoating. <i>Progress in Organic Coatings</i> , 2017, 103, 15-22.	3.9	10
24	Soluble Polyimides Containing Bulky Rigid Terphenyl Groups with Low Dielectric Constant and High Thermal Stability. <i>Journal of Electronic Materials</i> , 2021, 50, 6981-6990.	2.2	10
25	Facile synthesis and characterization of star-shaped polystyrene: self-condensing atom transfer radical copolymerization of N -(4-(bromoisobutyryloxy)phenyl)maleimide and styrene. <i>Polymer International</i> , 2008, 57, 1090-1100.	3.1	9
26	Synthesis of amphiphilic block copolymers via ARGET ATRP using an inexpensive ligand of PMDETA. <i>Reactive and Functional Polymers</i> , 2013, 73, 1517-1522.	4.1	8
27	Epoxy-functionalized star-shaped polymers as novel tougheners for epoxy resin. <i>Polymer Bulletin</i> , 2015, 72, 2949-2965.	3.3	8
28	Highly Soluble Polyimides Containing Di-tert-butylbenzene and Dimethyl Groups with Good Gas Separation Properties and Optical Transparency. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2020, 38, 759-768.	3.8	8
29	Synthesis of poly(sodium styrene sulfonate)-b-poly(butyl acrylate) block copolymers via RAFT emulsifier-free emulsion polymerization and their application in PEDOT aqueous dispersions. <i>Synthetic Metals</i> , 2019, 258, 116188.	3.9	7
30	High thermal stability and low dielectric constant of soluble polyimides containing asymmetric bulky pendant groups. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2021, 58, 880-889.	2.2	6
31	Low Concentration Limitations of Catalyst and Conventional Free Radical Polymerization in ICAR ATRP of Butyl Methacrylate With PMDETA as the Ligand. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2015, 52, 609-616.	2.2	5
32	New soluble polyamides with high transparency and improved gas separation properties. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2021, 58, 44-51.	2.2	4
33	Synthesis of PBMA- <i>b</i> -PGMA Block Copolymers via ICAR ATRP and their Application in Polymer/Titanium Dioxide Hybrid Materials. <i>Journal of Nano Research</i> , 0, 41, 63-73.	0.8	3
34	Synthesis and performances of 9,9-bis(perfluorohexylethyl propionate) fluorene copolymers. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50434.	2.6	3
35	Realizing the enhanced cyclability of a cactus-like NiCo ₂ O ₄ nanocrystal anode fabricated by molecular layer deposition. <i>Dalton Transactions</i> , 2021, 50, 511-519.	3.3	3
36	Synthesis and storage stability investigation on curing agent microcapsules of imidazole derivatives with aqueous polyurethane as the shell. <i>Polymer Bulletin</i> , 2022, 79, 10295-10311.	3.3	3

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37	Aqueous self-condensing atom transfer radical copolymerization of a water-soluble inimer with cationic comonomer to prepare hyperbranched cationic polyelectrolytes. <i>Polymer International</i> , 2009, 58, 790-799.	3.1	2
38	Synthesis and characterization of amphiphilic graft copolymers with poly(ethylene glycol) as the hydrophilic backbone and poly(butyl methacrylate) as the hydrophobic graft chain. <i>Colloid and Polymer Science</i> , 2018, 296, 1545-1554.	2.1	2
39	RAFT surfactant-free cationic emulsion polymerization of styrene: effect of hydrophobicity of block macro-RAFT agent. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2021, 58, 232-242.	2.2	2
40	Cross-linking fluorene copolymers via thiol-ene click chemistry. <i>Synthetic Metals</i> , 2021, 282, 116936.	3.9	2
41	Synthesis and characterization of linear waterborne poly(ethyl acrylate-urethane) prepared from poly(ethyl acrylate) diol via atom transfer radical polymerization. <i>Journal of Applied Polymer Science</i> , 2012, 126, 66-71.	2.6	1
42	Moisture curable non-isocyanated polyacrylate triblock copolymer elastomers: synthesis and properties. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	1
43	Synthesis and properties of methyl acrylate-co-MSiA copolymers. <i>Journal of Adhesion Science and Technology</i> , 0, , 1-16.	2.6	0