

Xin Hu

List of Publications by Year in descending order

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516215

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all docs

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docs citations

43
times ranked

734
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#	ARTICLE	IF	CITATIONS
1	Continuous flow cationic polymerizations. <i>Chemical Engineering Journal</i> , 2022, 430, 132791.	6.6	13
2	Access to high-molecular-weight poly(ϵ -butyrolactone) by using simple commercial catalysts. <i>Polymer Chemistry</i> , 2022, 13, 439-445.	1.9	6
3	Anionic polymerizations in a microreactor. <i>Reaction Chemistry and Engineering</i> , 2022, 7, 1026-1036.	1.9	3
4	Fully Chemical Recyclable Poly(ϵ -butyrolactone)-based Copolymers with Tunable Structures and Properties. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2022, 40, 456-461.	2.0	4
5	Microreactor-based chemo-enzymatic ROP-ROMP platform for continuous flow synthesis of bottlebrush polymers. <i>Chemical Engineering Journal</i> , 2022, 437, 135284.	6.6	5
6	Co-delivery of luteolin and TGF- β 1 plasmids with ROS-responsive virus-inspired nanoparticles for microenvironment regulation and chemo-gene therapy of intervertebral disc degeneration. <i>Nano Research</i> , 2022, 15, 8214-8227.	5.8	12
7	Recyclable polymer functionalization via end-group modification and block/random copolymerization. <i>Green Energy and Environment</i> , 2021, 6, 578-584.	4.7	13
8	Continuous flow photo-RAFT and light-PISA. <i>Chemical Engineering Journal</i> , 2021, 420, 127663.	6.6	26
9	Advances, Challenges, and Opportunities of Poly(ϵ -butyrolactone)-Based Recyclable Polymers. <i>ACS Macro Letters</i> , 2021, 10, 284-296.	2.3	40
10	Chemoselective Polymerizations. <i>Progress in Polymer Science</i> , 2021, 117, 101397.	11.8	16
11	Protecting-group-free synthesis of thiol-functionalized degradable polyesters. <i>Polymer Chemistry</i> , 2021, 12, 1749-1757.	1.9	4
12	D-GQDs Modified Epoxy Resin Enhances the Thermal Conductivity of AlN/Epoxy Resin Thermally Conductive Composites. <i>Polymers</i> , 2021, 13, 4074.	2.0	12
13	Continuous flow rare earth phenolates catalyzed chemoselective ring-opening polymerization. <i>Chemical Engineering Science</i> , 2020, 211, 115290.	1.9	6
14	Biorenewable furan-containing polyamides. <i>Materials Today Sustainability</i> , 2020, 10, 100049.	1.9	21
15	Ca/Cu Co-doped SmFeO ₃ as a Fuel Electrode Material for Direct Electrolysis of CO ₂ in SOECs. <i>Fuel Cells</i> , 2020, 20, 682-689.	1.5	3
16	Design, Synthesis, and Self-Assembly of Janus Bottlebrush Polymers. <i>Macromolecular Rapid Communications</i> , 2020, 41, e2000357.	2.0	24
17	Manufacture of luminescent shape-memory polymer composites using rare earth organic complex and commercial carboxylated nitrile rubber. <i>Polymer Composites</i> , 2020, 41, 3732-3747.	2.3	5
18	Functionalization of PVDF-based copolymer via photo-induced p-anisaldehyde catalyzed atom transfer radical polymerization. <i>Reactive and Functional Polymers</i> , 2020, 150, 104541.	2.0	8

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19	100% Bio-Based Polyamide with Temperature/Ultrasound Dually Triggered Reversible Cross-Linking. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 13588-13594.	1.8	13
20	Continuous flow photoinduced phenothiazine derivatives catalyzed atom transfer radical polymerization. <i>European Polymer Journal</i> , 2020, 126, 109565.	2.6	14
21	Surface Structures, Particles, and Fibers of Shape-Memory Polymers at Micro-/Nanoscale. <i>Advances in Polymer Technology</i> , 2020, 2020, 1-16.	0.8	6
22	Organomagnesium towards efficient synthesis of recyclable polymers. <i>European Polymer Journal</i> , 2020, 130, 109659.	2.6	4
23	Advances in Organocatalyzed Atom Transfer Radical Polymerization. <i>Advances in Polymer Technology</i> , 2019, 2019, 1-9.	0.8	8
24	A novel microfluidic enzyme-organocatalysis combination strategy for ring-opening copolymerizations of lactone, lactide and cyclic carbonate. <i>Chemical Engineering Journal</i> , 2019, 356, 592-597.	6.6	28
25	Organocatalyzed chemoselective ring-opening polymerizations. <i>Scientific Reports</i> , 2018, 8, 3734.	1.6	19
26	Enzymatic Continuous Flow Synthesis of Thiol-terminated Poly(ϵ -Valerolactone) and Block Copolymers. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1700807.	2.0	16
27	Copper(II) photoinduced graft modification of P(VDF-co-CTFE). <i>European Polymer Journal</i> , 2018, 100, 228-232.	2.6	11
28	Continuous Flow Photoinduced Reversible Deactivation Radical Polymerization. <i>ChemPhotoChem</i> , 2018, 2, 831-838.	1.5	21
29	Chemoselective polymerization platform for flow synthesis of functional polymers and nanoparticles. <i>Chemical Engineering Journal</i> , 2018, 333, 43-48.	6.6	22
30	Photoinduced Cu(II)-Mediated RDRP to P(VDF-co-CTFE)-g-PAN. <i>Polymers</i> , 2018, 10, 68.	2.0	9
31	Continuous flow ring-opening polymerizations. <i>Reaction Chemistry and Engineering</i> , 2017, 2, 20-26.	1.9	35
32	Poly(vinylidene fluoride-co-chlorotrifluoroethylene) Modification via Organocatalyzed Atom Transfer Radical Polymerization. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700399.	2.0	16
33	Continuous flow copper-mediated reversible deactivation radical polymerizations. <i>European Polymer Journal</i> , 2016, 80, 177-185.	2.6	30
34	Continuous flow protecting-group-free synthetic approach to thiol-terminated poly(μ -caprolactone). <i>European Polymer Journal</i> , 2016, 80, 234-239.	2.6	18
35	Continuous flow SET-LRP in the presence of P(VDF-co-CTFE) as macroinitiator in a copper tubular reactor. <i>Polymer Chemistry</i> , 2016, 7, 474-480.	1.9	33
36	Organocatalyzed continuous flow ring-opening polymerizations to homo- and block-poly lactones. <i>Polymer</i> , 2016, 84, 391-397.	1.8	23

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37	Synthesis of unsaturation containing P(VDF-co-TrFE-co-CTFE) from P(VDF-co-CTFE) in one-pot catalyzed with Cu(0)-based single electron transfer living radical polymerization system. Journal of Polymer Science Part A, 2014, 52, 3429-3440.	2.5	12
38	Tuning phase transition and ferroelectric properties of poly(vinylidene fluoride-co-trifluoroethylene) (P(VDF-co-TrFE)) films. Journal of Materials Chemistry C, 2013, 1, 1111-1121.	2.7	91
39	Significantly improving dielectric and energy storage properties via uniaxially stretching crosslinked P(VDF-co-TrFE) films. Journal of Materials Chemistry A, 2013, 1, 10353.	5.2	83
40	Cu(0)/2,6-bis(imino)pyridines catalyzed single-electron transfer-living radical polymerization of methyl methacrylate initiated with poly(vinylidene fluoride-co-chlorotrifluoroethylene). Journal of Polymer Science Part A, 2013, 51, 4378-4388.	2.5	13
41	Synthesis and characterization of poly(vinylidene fluoride-co-chlorotrifluoroethylene) (P(VDF-co-CTFE)) by single electron transfer-living radical polymerization process. Journal of Polymer Science Part A, 2012, 50, 3126-3134.	2.5	20