Xin Hu

List of Publications by Year
in descending order

41 papers	766 citations	516215 16 h-index	552369 26 g-index
43 all docs	43 docs citations	43 times ranked	734 citing authors

#	Article	IF	Citations
1	Tuning phase transition and ferroelectric properties of poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 Td (fluoride co Journal of Materials Chemistry C, 2013, 1, 1111-1121.	2.7	91
2	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
3	Advances, Challenges, and Opportunities of Poly(Î³-butyrolactone)-Based Recyclable Polymers. ACS Macro Letters, 2021, 10, 284-296.	2.3	40
4	Continuous flow ring-opening polymerizations. Reaction Chemistry and Engineering, 2017, 2, 20-26.	1.9	35
5	Continuous flow SET-LRP in the presence of P(VDF-co-CTFE) as macroinitiator in a copper tubular reactor. Polymer Chemistry, 2016, 7, 474-480.	1.9	33
6	Continuous flow copper-mediated reversible deactivation radical polymerizations. European Polymer Journal, 2016, 80, 177-185.	2.6	30
7	A novel microfluidic enzyme-organocatalysis combination strategy for ring-opening copolymerizations of lactone, lactide and cyclic carbonate. Chemical Engineering Journal, 2019, 356, 592-597.	6.6	28
8	Continuous flow photo-RAFT and light-PISA. Chemical Engineering Journal, 2021, 420, 127663.	6.6	26
9	Design, Synthesis, and Selfâ€Assembly of Janus Bottlebrush Polymers. Macromolecular Rapid Communications, 2020, 41, e2000357.	2.0	24
10	Organocatalyzed continuous flow ring-opening polymerizations to homo- and block-polylactones. Polymer, 2016, 84, 391-397.	1.8	23
11	Chemoselective polymerization platform for flow synthesis of functional polymers and nanoparticles. Chemical Engineering Journal, 2018, 333, 43-48.	6.6	22
12	Continuous Flow Photoinduced Reversible Deactivation Radical Polymerization. ChemPhotoChem, 2018, 2, 831-838.	1.5	21
13	Biorenewable furan-containing polyamides. Materials Today Sustainability, 2020, 10, 100049.	1.9	21
14	Synthesis and characterization of poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (fluorideâ€coâ€chlorotrifluoroeth transferâ€"living radical polymerization process. Journal of Polymer Science Part A, 2012, 50, 3126-3134.	2.5	20
15	Organocatalyzed chemoselective ring-opening polymerizations. Scientific Reports, 2018, 8, 3734.	1.6	19
16	Continuous flow protecting-group-free synthetic approach to thiol-terminated poly(Îµ-caprolactone). European Polymer Journal, 2016, 80, 234-239.	2.6	18
17	Poly(vinylidene fluorideâ€coâ€chlorotrifluoroethylene) Modification via Organocatalyzed Atom Transfer Radical Polymerization. Macromolecular Rapid Communications, 2017, 38, 1700399.	2.0	16
18	Enzymatic Continuous Flow Synthesis of Thiolâ€Terminated Poly(Î´â€Valerolactone) and Block Copolymers. Macromolecular Rapid Communications, 2018, 39, e1700807.	2.0	16

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19	Chemoselective Polymerizations. Progress in Polymer Science, 2021, 117, 101397.	11.8	16
20	Continuous flow photoinduced phenothiazine derivatives catalyzed atom transfer radical polymerization. European Polymer Journal, 2020, 126, 109565.	2.6	14
21	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
22	100% Bio-Based Polyamide with Temperature/Ultrasound Dually Triggered Reversible Cross-Linking. Industrial & Engineering Chemistry Research, 2020, 59, 13588-13594.	1.8	13
23	Recyclable polymer functionalization via end-group modification and block/random copolymerization. Green Energy and Environment, 2021, 6, 578-584.	4.7	13
24	Continuous flow cationic polymerizations. Chemical Engineering Journal, 2022, 430, 132791.	6.6	13
25	Synthesis of unsaturation containing P(VDFâ€coâ€TrFEâ€coâ€CTFE) from P(VDFâ€coâ€CTFE) in oneâ€pot catalyzed with Cu(0)â€based single electron transfer living radical polymerization system. Journal of Polymer Science Part A, 2014, 52, 3429-3440.	2.5	12
26	D-GQDs Modified Epoxy Resin Enhances the Thermal Conductivity of AlN/Epoxy Resin Thermally Conductive Composites. Polymers, 2021, 13, 4074.	2.0	12
27	Co-delivery of luteolin and TGF-Î²1 plasmids with ROS-responsive virus-inspired nanoparticles for microenvironment regulation and chemo-gene therapy of intervertebral disc degeneration. Nano Research, 2022, 15, 8214-8227.	5.8	12
28	Copper(II) photoinduced graft modification of P(VDF- co -CTFE). European Polymer Journal, 2018, 100, 228-232.	2.6	11
29	Photoinduced Cu(II)-Mediated RDRP to P(VDF-co-CTFE)-g-PAN. Polymers, 2018, 10, 68.	2.0	9
30	Advances in Organocatalyzed Atom Transfer Radical Polymerization. Advances in Polymer Technology, 2019, 2019, 1-9.	0.8	8
31	Functionalization of PVDF-based copolymer via photo-induced p-anisaldehyde catalyzed atom transfer radical polymerization. Reactive and Functional Polymers, 2020, 150, 104541.	2.0	8
32	Continuous flow rare earth phenolates catalyzed chemoselective ring-opening polymerization. Chemical Engineering Science, 2020, 211, 115290.	1.9	6
33	Surface Structures, Particles, and Fibers of Shape-Memory Polymers at Micro-/Nanoscale. Advances in Polymer Technology, 2020, 2020, 1-16.	0.8	6
34	Access to high-molecular-weight poly(Î³-butyrolactone) by using simple commercial catalysts. Polymer Chemistry, 2022, 13, 439-445.	1.9	6
35	Manufacture of luminescent shapeâ€memory polymer composites using rare earth organic complex and commercial carboxylated nitrile rubber. Polymer Composites, 2020, 41, 3732-3747.	2.3	5
36	Microreactor-based chemo-enzymatic ROP-ROMP platform for continuous flow synthesis of bottlebrush polymers. Chemical Engineering Journal, 2022, 437, 135284.	6.6	5

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37	Organomagnesium towards efficient synthesis of recyclable polymers. European Polymer Journal, 2020, 130, 109659.	2.6	4
38	Protecting-group-free synthesis of thiol-functionalized degradable polyesters. Polymer Chemistry, 2021, 12, 1749-1757.	1.9	4
39	Fully Chemical Recyclable Poly(Î³-butyrolactone)-based Copolymers with Tunable Structures and Properties. Chinese Journal of Polymer Science (English Edition), 2022, 40, 456-461.	2.0	4
40	Ca/Cu Coâ€doped SmFeO 3 as a Fuel Electrode Material for Direct Electrolysis of CO 2 in SOECsâ–´. Fuel Cells, 2020, 20, 682-689.	1.5	3
41	Anionic polymerizations in a microreactor. Reaction Chemistry and Engineering, 2022, 7, 1026-1036.	1.9	3