Lifen Zhang

List of Publications by Year
in descending order

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100	3,447	126907	168389
papers	citations	33 h-index	53 g-index

100	100	100	2504
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metal-free photoinduced electron transferâ€“atom transfer radical polymerization (PETâ€“ATRP) via a visible light organic photocatalyst. Polymer Chemistry, 2016, 7, 689-700.	3.9	217
2	Iron-Mediated ICAR ATRP of Methyl Methacrylate. Macromolecules, 2011, 44, 3233-3239.	4.8	124
3	AGET ATRP of methyl methacrylate catalyzed by FeCl3/iminodiacetic acid in the presence of air. Polymer, 2008, 49, 3054-3059.	3.8	111
4	Activators generated by electron transfer for atom transfer radical polymerization: recent advances in catalyst and polymer chemistry. Polymer Chemistry, 2012, 3, 2685.	3.9	108
5	Controllable synthesis of poly(N-vinylpyrrolidone) and its block copolymers by atom transfer radical polymerization. Polymer, 2007, 48, 2835-2842.	3.8	85
6	Recent Progress on Transition Metal Catalyst Separation and Recycling in ATRP. Macromolecular Rapid Communications, 2015, 36, 1702-1721.	3.9	81
7	Metalâ€Free Atom Transfer Radical Polymerization of Methyl Methacrylate with ppm Level of Organic Photocatalyst. Macromolecular Rapid Communications, 2017, 38, 1600461.	3.9	78
8	Iron(III)â€Mediated ATRP of Methyl Methacrylate Using Activators Generated by Electron Transfer. Macromolecular Chemistry and Physics, 2008, 209, 1705-1713.	2.2	77
9	Bifunctional Nanoparticles with Fluorescence and Magnetism via Surface-Initiated AGET ATRP Mediated by an Iron Catalyst. Langmuir, 2011, 27, 12684-12692.	3.5	77
10	Iron-Mediated AGET ATRP of Styrene in the Presence of Catalytic Amounts of Base. Macromolecules, 2010, 43, 9283-9290.	4.8	73
11	Airâ€tolerantly surfaceâ€initiated AGET ATRP mediated by iron catalyst from silica nanoparticles. Journal of Polymer Science Part A, 2010, 48, 2006-2015.	2.3	71
12	Photosensitizer cross-linked nano-micelle platform for multimodal imaging guided synergistic photothermal/photodynamic therapy. Nanoscale, 2016, 8, 15323-15339.	5.6	70
13	Atom transfer radical polymerization of hydrophilic monomers and its applications. Polymer Chemistry, 2013, 4, 2919.	3.9	66
14	A Highly Active Ironâ€Based Catalyst System for the AGET ATRP of Styrene. Macromolecular Rapid Communications, 2009, 30, 543-547.	3.9	65
15	Atom transfer radical polymerization of methyl methacrylate with low concentration of initiating system under microwave irradiation. Polymer, 2003, 44, 2243-2247.	3.8	64
16	Ironâ€Mediated ICAR ATRP of Styrene and Methyl Methacrylate in the Absence of Thermal Radical Initiator. Macromolecular Rapid Communications, 2010, 31, 275-280.	3.9	64
17	Photocontrolled Iodineâ€Mediated Reversibleâ€Deactivation Radical Polymerization: Solution Polymerization of Methacrylates by Irradiation with NIR LED Light. Angewandte Chemie - International Edition, 2020, 59, 3910-3916.	13.8	64
18	Iodine-mediated reversible-deactivation radical polymerization: a powerful strategy for polymer synthesis. Polymer Chemistry, 2019, 10, 2504-2515.	3.9	63

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19	Iron(III)â€mediated AGET ATRP of styrene using tris(3,6â€dioxaheptyl)amine as a ligand. Journal of Polymer Science Part A, 2009, 47, 2002-2008.	2.3	61
20	Surface Functionalization of Chitosan Nanospheres via Surface-Initiated AGET ATRP Mediated by Iron Catalyst in the Presence of Limited Amounts of Air. Industrial & Engineering Chemistry Research, 2009, 48, 6216-6223.	3.7	58
21	A Novel and Universal Route to SiO₂-Supported Organic/Inorganic Hybrid Noble Metal Nanomaterials via Surface RAFT Polymerization. Langmuir, 2010, 26, 14806-14813.	3.5	55
22	Developing a Synthetic Approach with Thermoregulated Phase-Transfer Catalysis: Facile Access to Metal-Mediated Living Radical Polymerization of Methyl Methacrylate in Aqueous/Organic Biphasic System. Macromolecules, 2013, 46, 2060-2066.	4.8	55
23	Self-assembly of BODIPY based pH-sensitive near-infrared polymeric micelles for drug controlled delivery and fluorescence imaging applications. Nanoscale, 2015, 7, 16399-16416.	5.6	54
24	Cellulose Filter Paper with Antibacterial Activity from Surface-Initiated ATRP. Journal of Macromolecular Science - Pure and Applied Chemistry, 2009, 46, 989-996.	2.2	53
25	Multistimuli-responsive hybrid nanoparticles with magnetic core and thermoresponsive fluorescence-labeled shell via surface-initiated RAFT polymerization. Soft Matter, 2011, 7, 6958.	2.7	50
26	Facile Ironâ€Mediated AGET ATRP for Waterâ€Soluble Poly(ethylene glycol) Monomethyl Ether Methacrylate in Water. Macromolecular Rapid Communications, 2012, 33, 1067-1073.	3.9	46
27	Visible-light-induced living radical polymerization using in situ bromine-iodine transformation as an internal boost. Polymer Chemistry, 2017, 8, 2538-2551.	3.9	46
28	Catalyst-free iodine-mediated living radical polymerization under irradiation over a wide visible-light spectral scope. Polymer Chemistry, 2016, 7, 3576-3588.	3.9	44
29	An atom transfer radical polymerization system: catalyzed by an iron catalyst in PEG-400. Green Chemistry, 2015, 17, 271-278.	9.0	43
30	The in situ formation of nanoparticles via RAFT polymerization-induced self-assembly in a continuous tubular reactor. Polymer Chemistry, 2017, 8, 1495-1506.	3.9	43
31	Alumina additives for fast ironâ€mediated AGET ATRP of MMA using onium salt as ligand. Journal of Polymer Science Part A, 2011, 49, 3970-3979.	2.3	39
32	Thermo-regulated phase separable catalysis (TPSC)-based atom transfer radical polymerization in a thermo-regulated ionic liquid. Chemical Communications, 2014, 50, 9266-9269.	4.1	39
33	Photocontrolled Iodine-Mediated Green Reversible-Deactivation Radical Polymerization of Methacrylates: Effect of Water in the Polymerization System. ACS Macro Letters, 2019, 8, 1419-1425.	4.8	36
34	Facile Ironâ€Mediated Dispersantâ€Free Suspension Polymerization of Methyl Methacrylate via Reverse ATRP in Water. Macromolecular Rapid Communications, 2013, 34, 1747-1754.	3.9	35
35	Photoâ€Controlled Polymerizationâ€Induced Selfâ€Assembly (Photoâ€PISA): A Novel Strategy Using In Situ Bromineâ€Iodine Transformation Living Radical Polymerization. Macromolecular Rapid Communications, 2019, 40, e1800327.	3.9	34
36	Magnetic nanomaterials with near-infrared pH-activatable fluorescence via iron-catalyzed AGET ATRP for tumor acidic microenvironment imaging. Journal of Materials Chemistry B, 2015, 3, 2786-2800.	5.8	33

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37	Straightforward catalyst/solvent-free iodine-mediated living radical polymerization of functional monomers driven by visible light irradiation. Chemical Communications, 2016, 52, 10850-10853.	4.1	33
38	A surfactant-free emulsion RAFT polymerization of methyl methacrylate in a continuous tubular reactor. Polymer Chemistry, 2015, 6, 1937-1943.	3.9	32
39	A novel approach to modify poly(vinylidene fluoride) via ironâ€mediated atom transfer radical polymerization using activators generated by electron transfer. Journal of Polymer Science Part A, 2011, 49, 2315-2324.	2.3	31
40	Ironâ€mediated AGET ATRP of methyl methacrylate using metal wire as reducing agent. Journal of Polymer Science Part A, 2012, 50, 2244-2253.	2.3	28
41	A versatile Fe₃O₄based platform via iron-catalyzed AGET ATRP: towards various multifunctional nanomaterials. Polymer Chemistry, 2014, 5, 638-645.	3.9	28
42	Visible light controlled aqueous RAFT continuous flow polymerization with oxygen tolerance. Polymer Chemistry, 2019, 10, 2064-2072.	3.9	27
43	Atom transfer radical polymerization of methyl methacrylate with a thermo-responsive ligand: construction of thermoregulated phase-transfer catalysis in an aqueousâ€“organic biphasic system. Polymer Chemistry, 2013, 4, 2876.	3.9	26
44	Fe(<scp>iii</scp>)-mediated ICAR ATRP in a p-xylene/PEG-200 biphasic system: facile and highly efficient separation and recycling of an iron catalyst. Polymer Chemistry, 2015, 6, 6616-6622.	3.9	26
45	Step Transferâ€Addition and Radicalâ€Termination (START) Polymerization of Î±,ï‰â€Unconjugated Dienes under Irradiation of Blue LED Light. Macromolecular Rapid Communications, 2017, 38, 1600587.	3.9	26
46	RATRP of MMA in AIBN/FeC1 3 /PPh 3 initiation system under microwave irradiation. Polymer Bulletin, 2003, 49, 363-369.	3.3	25
47	AGET ATRP of waterâ€soluble PEGMA: Fast living radical polymerization mediated by iron catalyst. Journal of Polymer Science Part A, 2012, 50, 2194-2200.	2.3	24
48	A highly active homogeneous ICAR ATRP of methyl methacrylate using ppm levels of organocopper catalyst. Polymer Chemistry, 2013, 4, 3725.	3.9	24
49	Synthesis of high molecular weight and narrow molecular weight distribution poly(acrylonitrile) via RAFT polymerization. Journal of Polymer Science Part A, 2013, 51, 1197-1204.	2.3	24
50	Iron-Mediated Homogeneous ICAR ATRP of Methyl Methacrylate under ppm Level Organometallic Catalyst Iron(III) Acetylacetonate. Polymers, 2016, 8, 29.	4.5	24
51	Highly Active ppm Level Organic Copper Catalyzed Photoâ€Induced ICAR ATRP of Methyl Methacrylate. Macromolecular Rapid Communications, 2014, 35, 1879-1885.	3.9	23
52	ICAR ATRP of Acrylonitrile under Ambient and High Pressure. Polymers, 2016, 8, 59.	4.5	23
53	Highly Efficient and Facile Photocatalytic Recycling System Suitable for ICAR ATRP of Hydrophilic Monomers. Macromolecular Rapid Communications, 2016, 37, 1337-1343.	3.9	23
54	Facile Fabrication of Biocompatible and Tunable Multifunctional Nanomaterials via Iron-Mediated Atom Transfer Radical Polymerization with Activators Generated by Electron Transfer. ACS Applied Materials & Interfaces, 2013, 5, 9663-9669.	8.0	22

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55	Cu(II)â€Mediated Atom Transfer Radical Polymerization of Methyl Methacrylate via a Strategy of Thermoâ€Regulated Phaseâ€Separable Catalysis in a Liquid/Liquid Biphasic System: Homogeneous Catalysis, Facile Heterogeneous Separation, and Recycling. Macromolecular Rapid Communications, 2014, 35, 1615-1621.	3.9	22
56	Bifunctional nanoparticles with magnetism and NIR fluorescence: controlled synthesis from combination of AGET ATRP and â€˜clickâ€™ reaction. Nanotechnology, 2014, 25, 045602.	2.6	21
57	Insight into the polymerization mechanism of photoinduced step transfer-addition & radical-termination (START) polymerizations. Polymer Chemistry, 2017, 8, 3910-3920.	3.9	21
58	Construction of dual-functional polymer nanomaterials with near-infrared fluorescence imaging and polymer prodrug by RAFT-mediated aqueous dispersion polymerization. Nanoscale, 2018, 10, 10277-10287.	5.6	21
59	Diffusion-Regulated Phase-Transfer Catalysis for Atom Transfer Radical Polymerization of Methyl Methacrylate in an Aqueous/Organic Biphasic System. Macromolecular Rapid Communications, 2015, 36, 538-546.	3.9	20
60	Triphenylphosphine as phosphorus catalyst for reversible chain-transfer catalyzed polymerization (RTCP). Polymer Chemistry, 2013, 4, 3069.	3.9	19
61	Visible light-induced PET-RAFT polymerization of methacrylates with novel organic photocatalysts. RSC Advances, 2017, 7, 24040-24045.	3.6	19
62	Reversible Addition-Fragmentation Chain Transfer Polymerization of Acrylonitrile under Irradiation of Blue LED Light. Polymers, 2017, 9, 4.	4.5	19
63	Organocatalytic Approach to Functional Semifluorinated Polymers Driven by Visible Light. Macromolecular Rapid Communications, 2018, 39, e1800151.	3.9	18
64	Facilely Recyclable Cu(II) Macrocomplex with Thermoregulated Poly(ionic liquid) Macroligand: Serving as a Highly Efficient Atom Transfer Radical Polymerization Catalyst. ACS Sustainable Chemistry and Engineering, 2016, 4, 7066-7073.	6.7	18
65	Facile Soapâ€Free Miniemulsion Polymerization of Methyl Methacrylate via Reverse Atom Transfer Radical Polymerization. Macromolecular Rapid Communications, 2012, 33, 2121-2126.	3.9	17
66	AGET ATRP of methyl methacrylatevia a bimetallic catalyst. RSC Advances, 2012, 2, 840-847.	3.6	17
67	Bulk AGET ATRP of methyl methacrylate using iron(<scp>iii</scp>) acetylacetonate as a catalyst. Polymer Chemistry, 2014, 5, 6804-6810.	3.9	17
68	A novel methacrylate with a bisphosphonate group: RAFT polymerization and flame retardant property of the resultant polymers. Polymer Chemistry, 2015, 6, 2283-2289.	3.9	17
69	Real-time monitoring of a controlled drug delivery system in vivo: construction of a near infrared fluorescence monomer conjugated with pH-responsive polymeric micelles. Journal of Materials Chemistry B, 2016, 4, 3377-3386.	5.8	17
70	AGET ATRP of Methyl Methacrylate Based on Thermoregulated Phase Transfer Catalysis in Organic/Aqueous Biphasic System: Facile and Highly Efficient In Situ Catalyst/Ligand Separation and Recycling. Macromolecular Chemistry and Physics, 2015, 216, 1171-1179.	2.2	16
71	Synthesis of soap-free emulsion with high solid content by differential dripping RAFT polymerization-induced self-assembly. RSC Advances, 2017, 7, 6559-6564.	3.6	16
72	Photocontrolled iodine-mediated reversible-deactivation radical polymerization with a semifluorinated alternating copolymer as the macroinitiator. Polymer Chemistry, 2020, 11, 7497-7505.	3.9	16

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73	Thermoregulated phase transfer catalysis in aqueous/organic biphasic system: facile and highly efficient ATRP catalyst separation and recycling in situ using typical alkyl halide as initiator. Polymer Chemistry, 2015, 6, 6394-6401.	3.9	14
74	Photocontrolled bromineâ€“iodine transformation reversible-deactivation radical polymerization: facile synthesis of star copolymers and unimolecular micelles. Polymer Chemistry, 2021, 12, 2335-2345.	3.9	14
75	Facile Synthesis of Unimodal Polymethacrylates with Narrow Dispersity via NIR LED Lightâ€Controlled Bromineâ€“Iodine Transformation Reversibleâ€Deactivation Radical Polymerization. Macromolecular Rapid Communications, 2021, 42, e2100211.	3.9	14
76	Recent advances in â€œlivingâ€/controlled radical polymerization of phosphorus-containing monomers and their potential applications. Science China Chemistry, 2015, 58, 1633-1640.	8.2	13
77	Facile synthesis of poly(vinyl acetate)-b-polystyrene copolymers mediated by an iniferter agent using a single methodology. Polymer Chemistry, 2017, 8, 5918-5923.	3.9	13
78	Fabrication of magnetic nanofibers via surface-initiated RAFT polymerization and coaxial electrospinning. Reactive and Functional Polymers, 2013, 73, 1447-1454.	4.1	12
79	Photocatalyzed iron-based ATRP of methyl methacrylate using 1,3-dimethyl-2-imidazolidinone as both solvent and ligand. RSC Advances, 2017, 7, 3888-3893.	3.6	12
80	The positive effect of water on photo-induced step transfer-addition & radical-termination (START) polymerization. RSC Advances, 2017, 7, 17988-17996.	3.6	12
81	Reversible additionâ€fragmentation chain transfer polymerization of vinyl acetate under high pressure. Journal of Polymer Science Part A, 2015, 53, 1430-1436.	2.3	11
82	Facile iron(<scp>iii</scp>)-mediated ATRP of MMA with phosphorus-containing ligands in the absence of any additional initiators. RSC Advances, 2015, 5, 62577-62584.	3.6	11
83	Photocontrolled Iodineâ€Mediated Reversibleâ€Deactivation Radical Polymerization: Solution Polymerization of Methacrylates by Irradiation with NIR LED Light. Angewandte Chemie, 2020, 132, 3938-3944.	2.0	11
84	Multimesophase transitions of main-chain liquid crystalline copolymers with strictly alternating fluorocarbon chains. Polymer Chemistry, 2021, 12, 736-743.	3.9	11
85	Reduction-Induced Crystallization-Driven Self-Assembly of Main-Chain-Type Alternating Copolymers: Transformation from 1D Lines to 2D Platelets. ACS Macro Letters, 2021, 10, 564-569.	4.8	11
86	A novel reversible-deactivation radical polymerization strategy via near-infrared light-controlled photothermal conversion dividing wall-type heat exchanger. Science China Chemistry, 2021, 64, 1242-1250.	8.2	11
87	Homogeneous Solution Reverse Atom Transfer Radical Polymerization of Methyl Methacrylate. Journal of Macromolecular Science - Pure and Applied Chemistry, 2003, 40, 371-385.	2.2	10
88	Construction of a near-infrared light-controlled reciprocating piston â€œpumpâ€•based on soft actuators with fluorine-containing alternating polymer. Journal of Materials Chemistry C, 2020, 8, 10238-10247.	5.5	9
89	Facile synthesis of poly(N-vinyl pyrrolidone) block copolymers with â€œmore-activatedâ€• monomers by using photoinduced successive RAFT polymerization. Polymer Chemistry, 2020, 11, 2080-2088.	3.9	9
90	Photoinduced Ironâ€Based Waterâ€Induced Phase Separable Catalysis (WPSC) ICAR ATRP of Poly(ethylene) Tj ETQq0 0 0 rgBT /Overloc	3.9	8

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91	A Green Platform for Preparation of the Well-Defined Polyacrylonitrile: 60Co Î³-ray Irradiation-Initiated RAFT Polymerization at Room Temperature. Polymers, 2017, 9, 26.	4.5	8
92	Surface modification of carbon nanotubes by using iron-mediated activators generated by electron transfer for atom transfer radical polymerization. RSC Advances, 2018, 8, 11150-11156.	3.6	8
93	One-Step Photocontrolled Polymerization-Induced Self-Assembly (Photo-PISA) by Using In Situ Bromine-Iodine Transformation Reversible-Deactivation Radical Polymerization. Polymers, 2020, 12, 150.	4.5	8
94	Synthesis and Phase Behavior of (Semifluorinated Alkane)â€Based Sideâ€Chain Liquid Crystalline Copolymers. Macromolecular Rapid Communications, 2022, 43, .	3.9	8
95	Synthesis of amphiphilic nanoparticles and multi-block hydrophilic copolymers by a facile and effective â€œlivingâ€•radical polymerization in water. Polymer Chemistry, 2016, 7, 2486-2491.	3.9	7
96	Poly(Ionic Liquid): A New Phase in a Thermoregulated Phase Separated Catalysis and Catalyst Recycling System of Transition Metal-Mediated ATRP. Polymers, 2018, 10, 347.	4.5	7
97	Facile photochemical synthesis of main-chain-type semifluorinated alternating copolymers catalyzed by conventional amines or halide salts. Chemical Communications, 2021, 57, 11354-11357.	4.1	7
98	Construction of NIR Light Controlled Micelles with Photothermal Conversion Property: Poly(poly(ethylene glycol)methyl ether methacrylate) (PPEGMA) as Hydrophilic Block and Ketocyanine Dye as NIR Photothermal Conversion Agent. Polymers, 2020, 12, 1181.	4.5	5
99	An Alternating Conduction-Insulation Molecular â€œFenceâ€•Model from Fluorinated Metallopolymers. Chemical Communications, 2022, , .	4.1	1
100	Facile synthesis of micron-size Janus particles by one-pot suspension polymerization and their functional modification. Polymer Chemistry, 2021, 12, 2722-2730.	3.9	0