

Xianhong Wang

List of Publications by Year in descending order

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142
papers

4,514
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81900

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all docs

144
docs citations

144
times ranked

3211
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymerization of rac-Lactide Using Schiff Base Aluminum Catalysts: Structure, Activity, and Stereoselectivity. <i>Macromolecules</i> , 2007, 40, 1904-1913.	4.8	174
2	Carbon dioxide-based copolymers: Environmental benefits of PPC, an industrially viable catalyst. <i>Biotechnology Journal</i> , 2010, 5, 1164-1180.	3.5	158
3	An aluminum porphyrin complex with high activity and selectivity for cyclic carbonate synthesis. <i>Green Chemistry</i> , 2015, 17, 2853-2858.	9.0	145
4	Enolic Schiff Base Aluminum Complexes and Their Catalytic Stereoselective Polymerization of Racemic Lactide. <i>Chemistry - A European Journal</i> , 2008, 14, 3126-3136.	3.3	121
5	Synergetic Organocatalysis for Eliminating Epimerization in Ring-Opening Polymerizations Enables Synthesis of Stereoregular Isotactic Polyester. <i>Journal of the American Chemical Society</i> , 2019, 141, 281-289.	13.7	120
6	Recent advances in carbon dioxide based copolymers. <i>Journal of CO2 Utilization</i> , 2015, 11, 3-9.	6.8	111
7	O ₂ Substitution Enables Dovetailing Conflicting Cyclizability, Polymerizability, and Recyclability: Dithiolactone vs. Dilactone. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22547-22553.	13.8	82
8	Waterborne polyurethanes from CO ₂ based polyols with comprehensive hydrolysis/oxidation resistance. <i>Green Chemistry</i> , 2016, 18, 524-530.	9.0	81
9	Fixation of carbon dioxide into aliphatic polycarbonate, cobalt porphyrin catalyzed regio-specific poly(propylene carbonate) with high molecular weight. <i>Journal of Polymer Science Part A</i> , 2008, 46, 5959-5967.	2.3	79
10	A One-Step Route to CO ₂ -Based Block Copolymers by Simultaneous ROCOP of CO ₂ /Epoxides and RAFT Polymerization of Vinyl Monomers. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3593-3597.	13.8	77
11	Dicarboxylic acid promoted immortal copolymerization for controllable synthesis of low-molecular weight oligo(carbonate-ether) diols with tunable carbonate unit content. <i>Journal of Polymer Science Part A</i> , 2012, 50, 5177-5184.	2.3	71
12	Quantitative synthesis of bis(cyclic carbonate)s by iron catalyst for non-isocyanate polyurethane synthesis. <i>Green Chemistry</i> , 2015, 17, 373-379.	9.0	71
13	Breaking the Paradox between Catalytic Activity and Stereoselectivity: <i>rac</i> -Lactide Polymerization by Trinuclear Salen-Al Complexes. <i>Macromolecules</i> , 2018, 51, 906-913.	4.8	71
14	Ugi Reaction of Natural Amino Acids: A General Route toward Facile Synthesis of Polypeptoids for Bioapplications. <i>ACS Macro Letters</i> , 2016, 5, 1049-1054.	4.8	69
15	Air-Stable Salen-Iron Complexes: Stereoselective Catalysts for Lactide and ϵ -Caprolactone Polymerization through <i>In Situ</i> Initiation. <i>Macromolecules</i> , 2017, 50, 9188-9195.	4.8	64
16	Catalytic oxidization polymerization of aniline in an H ₂ O ₂ /Fe ²⁺ system. <i>Journal of Applied Polymer Science</i> , 1999, 72, 1077-1084.	2.6	63
17	Coupling reaction between CO ₂ and cyclohexene oxide: selective control from cyclic carbonate to polycarbonate by ligand design of salen/salalen titanium complexes. <i>Catalysis Science and Technology</i> , 2014, 4, 3964-3972.	4.1	60
18	A versatile strategy for the synthesis of sequence-defined peptoids with side-chain and backbone diversity <i>via</i> amino acid building blocks. <i>Chemical Science</i> , 2019, 10, 1531-1538.	7.4	60

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19	Crosslinkable poly(propylene carbonate): High-yield synthesis and performance improvement. <i>Journal of Polymer Science Part A</i> , 2006, 44, 5329-5336.	2.3	59
20	Trivalent Titanium Salen Complex: Thermally Robust and Highly Active Catalyst for Copolymerization of CO ₂ and Cyclohexene Oxide. <i>ACS Catalysis</i> , 2015, 5, 393-396.	11.2	59
21	Copolymerization of carbon dioxide and propylene oxide with Ln(CCl ₃ COO) ₃ -based catalyst: The role of rare-earth compound in the catalytic system. <i>Journal of Polymer Science Part A</i> , 2001, 39, 2751-2754.	2.3	55
22	One-pot controllable synthesis of oligo(carbonate-ether) triol using a Zn-Co-DMC catalyst: the special role of trimesic acid as an initiation-transfer agent. <i>Polymer Chemistry</i> , 2014, 5, 6171-6179.	3.9	55
23	Alternating copolymerization of carbon dioxide and propylene oxide under bifunctional cobalt salen complexes: Role of Lewis base substituent covalent bonded on salen ligand. <i>Journal of Polymer Science Part A</i> , 2010, 48, 359-365.	2.3	53
24	A novel metalloporphyrin-based conjugated microporous polymer for capture and conversion of CO ₂ . <i>RSC Advances</i> , 2015, 5, 31664-31669.	3.6	53
25	Electromechanical polyaniline-cellulose hydrogels with high compressive strength. <i>Soft Matter</i> , 2013, 9, 10129.	2.7	51
26	Transition of interface oxide layer from porous Mg(OH) ₂ to dense MgO induced by polyaniline and corrosion resistance of Mg alloy therefrom. <i>Applied Surface Science</i> , 2015, 328, 247-254.	6.1	51
27	Homogeneous Metallic Oligomer Catalyst with Multisite Intramolecular Cooperativity for the Synthesis of CO ₂ -Based Polymers. <i>ACS Catalysis</i> , 2019, 9, 8669-8676.	11.2	51
28	Water Dispersed Conducting Polyaniline Nanofibers for High-Capacity Rechargeable Lithium-Oxygen Battery. <i>ACS Macro Letters</i> , 2013, 2, 92-95.	4.8	49
29	New chemosynthetic route to linear $\hat{\mu}$ -poly-lysine. <i>Chemical Science</i> , 2015, 6, 6385-6391.	7.4	49
30	A whole-procedure solvent-free route to CO ₂ -based waterborne polyurethane by an elevated-temperature dispersing strategy. <i>Green Chemistry</i> , 2017, 19, 2194-2200.	9.0	49
31	Bifunctional aluminum porphyrin complex: Soil tolerant catalyst for copolymerization of CO ₂ and propylene oxide. <i>Journal of Polymer Science Part A</i> , 2014, 52, 2346-2355.	2.3	48
32	Selective synthesis of oligo(carbonate-ether) diols from copolymerization of CO ₂ and propylene oxide under zinc-cobalt double metal cyanide complex. <i>Journal of Polymer Research</i> , 2012, 19, 1.	2.4	47
33	New bio-renewable polyester with rich side amino groups from ϵ -lysine via controlled ring-opening polymerization. <i>Polymer Chemistry</i> , 2014, 5, 6495-6502.	3.9	46
34	Synthesis and Stabilization of Novel Aliphatic Polycarbonate from Renewable Resource. <i>Macromolecules</i> , 2009, 42, 9251-9254.	4.8	45
35	Synthesis and properties of carbon dioxide-epoxides copolymers from rare earth metal catalyst. <i>Macromolecular Symposia</i> , 2003, 195, 281-286.	0.7	44
36	Controllable synthesis of a narrow polydispersity CO ₂ -based oligo(carbonate-ether) tetraol. <i>Polymer Chemistry</i> , 2015, 6, 7580-7585.	3.9	44

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37	Carbon dioxide copolymers: Emerging sustainable materials for versatile applications. <i>SusMat</i> , 2021, 1, 88-104.	14.9	44
38	UV-curable waterborne polyurethane from CO ₂ -polyol with high hydrolysis resistance. <i>Polymer</i> , 2016, 100, 219-226.	3.8	43
39	Oxygen-Triggered Switchable Polymerization for the One-Pot Synthesis of CO ₂ -Based Block Copolymers from Monomer Mixtures. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14311-14318.	13.8	41
40	Biodegradable poly(carbonate-ether)s with thermoresponsive feature at body temperature. <i>Journal of Polymer Science Part A</i> , 2013, 51, 282-289.	2.3	40
41	Synthesis and Properties of Alternating Polypeptoids and Polyampholytes as Protein-Resistant Polymers. <i>Biomacromolecules</i> , 2018, 19, 936-942.	5.4	40
42	Facile synthesis of poly(ether carbonate)s via copolymerization of CO ₂ and propylene oxide under combinatorial catalyst of rare earth ternary complex and double metal cyanide complex. <i>Journal of Polymer Science Part A</i> , 2012, 50, 362-370.	2.3	39
43	Hydrophilic CO ₂ -based biodegradable polycarbonates: Synthesis and rapid thermo-responsive behavior. <i>Journal of Polymer Science Part A</i> , 2013, 51, 2834-2840.	2.3	39
44	Construction of PANI-cellulose composite fibers with good antistatic properties. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7669-7673.	10.3	39
45	<i>S</i> -Carboxyanhydrides: Ultrafast and Selective Ring-Opening Polymerizations Towards Well-defined Functionalized Polythioesters. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10798-10805.	13.8	39
46	Thermal degradation kinetics of poly(propylene carbonate) obtained from the copolymerization of carbon dioxide and propylene oxide. <i>Journal of Applied Polymer Science</i> , 2003, 90, 947-953.	2.6	38
47	Toughening of poly(propylene carbonate) by hyperbranched poly(ester-amide) via hydrogen bonding interaction. <i>Polymer International</i> , 2011, 60, 1697-1704.	3.1	38
48	Unimolecular Anion-Binding Catalysts for Selective Ring-Opening Polymerization of <i>O</i> -carboxyanhydrides. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6003-6012.	13.8	38
49	Aluminum porphyrin complexes via delicate ligand design: emerging efficient catalysts for high molecular weight poly(propylene carbonate). <i>RSC Advances</i> , 2014, 4, 54043-54050.	3.6	36
50	Efficient synthesis and stabilization of poly(propylene carbonate) from delicately designed bifunctional aluminum porphyrin complexes. <i>Polymer Chemistry</i> , 2015, 6, 4719-4724.	3.9	35
51	Crystallization and Melting Behaviors of PPC-BS/PVA Blends. <i>Macromolecular Chemistry and Physics</i> , 2003, 204, 1557-1566.	2.2	34
52	Miscibility and hydrogen-bonding interactions in blends of carbon dioxide/epoxy propane copolymer with poly(p-vinylphenol). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2002, 40, 1957-1964.	2.1	33
53	Thermotropic liquid crystallinity, thermal decomposition behavior, and aggregated structure of poly(propylene carbonate)/ethyl cellulose blends. <i>Journal of Applied Polymer Science</i> , 2006, 100, 584-592.	2.6	31
54	Bimetallic Schiff-base aluminum complexes based on pentaerythritol tetramine and their stereoselective polymerization of racemic lactide. <i>RSC Advances</i> , 2014, 4, 22561.	3.6	31

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55	Facile preparation of an ultrathin sulfur-wrapped polyaniline nanofiber composite with a core-shell structure as a high performance cathode material for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7215-7218.	10.3	31
56	One-Pot Terpolymerization of CO ₂ , Propylene Oxide and Lactide Using Rare-Earth Ternary Catalyst. <i>Chinese Journal of Chemistry</i> , 2012, 30, 2121-2125.	4.9	30
57	Terminal Hydrophilicity-Induced Dispersion of Cationic Waterborne Polyurethane from CO ₂ -Based Polyol. <i>Macromolecules</i> , 2020, 53, 6322-6330.	4.8	30
58	Thermal and pH responsive high molecular weight poly(urethane-amine) with high urethane content. <i>Journal of Polymer Science Part A</i> , 2011, 49, 5162-5168.	2.3	28
59	CO ₂ -Tuned Sequential Synthesis of Stereoblock Copolymers Comprising a Stereoregularity-Adjustable Polyester Block and an Atactic CO ₂ -Based Polycarbonate Block. <i>Macromolecules</i> , 2017, 50, 9207-9215.	4.8	28
60	Stable Aqueous Dispersion of Conducting Polyaniline with High Electrical Conductivity. <i>Macromolecules</i> , 2007, 40, 8132-8135.	4.8	27
61	Synthesis and characterization of half-salen complexes and their application in the polymerization of lactide and μ -caprolactone. <i>Polymer Chemistry</i> , 2014, 5, 6857-6864.	3.9	27
62	Cheap and fast: oxalic acid initiated CO ₂ -based polyols synthesized by a novel preactivation approach. <i>Polymer Chemistry</i> , 2016, 7, 146-152.	3.9	27
63	Switchable Polymerization Organocatalysis: From Monomer Mixtures to Block Copolymers. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	27
64	Regio-regular structure high molecular weight poly(propylene carbonate) by rare earth ternary catalyst and Lewis base cocatalyst. <i>Journal of Polymer Science Part A</i> , 2008, 46, 4451-4458.	2.3	26
65	From amorphous to crystalline: Practical way to improve electrical conductivity of water-borne conducting polyaniline. <i>Polymer</i> , 2011, 52, 3059-3064.	3.8	26
66	One-pot atom-efficient synthesis of bio-renewable polyesters and cyclic carbonates through tandem catalysis. <i>Chemical Communications</i> , 2015, 51, 8504-8507.	4.1	26
67	Functional Polyamides: A Sustainable Access via Lysine Cyclization and Organocatalytic Ring-Opening Polymerization. <i>Macromolecules</i> , 2018, 51, 8248-8257.	4.8	26
68	Biodegradable CO ₂ -based polycarbonates with rapid and reversible thermal response at body temperature. <i>Journal of Polymer Science Part A</i> , 2013, 51, 1893-1898.	2.3	25
69	Facile Organocatalyzed Synthesis of Poly(μ -lysine) under Mild Conditions. <i>Macromolecules</i> , 2017, 50, 9128-9134.	4.8	25
70	New bifunctional catalyst based on cobalt-porphyrin complex for the copolymerization of propylene oxide and CO ₂ . <i>Journal of Polymer Science Part A</i> , 2013, 51, 493-498.	2.3	24
71	CO ₂ -based amphiphilic polycarbonate micelles enable a reliable and efficient platform for tumor imaging. <i>Theranostics</i> , 2017, 7, 4689-4698.	10.0	23
72	Cobalt-Mediated Switchable Catalysis for the One-Pot Synthesis of Cyclic Polymers. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16974-16979.	13.8	23

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73	Copolymerization of carbon dioxide and propylene oxide under inorganic oxide supported rare earth ternary catalyst. <i>Journal of Polymer Science Part A</i> , 2011, 49, 3797-3804.	2.3	22
74	A new strategy to synthesize bottlebrushes with a helical polyglutamate backbone via N-carboxyanhydride polymerization and RAFT. <i>Chemical Communications</i> , 2014, 50, 14183-14186.	4.1	22
75	Sandwich nanocomposites of polyaniline embedded between graphene layers and multi-walled carbon nanotubes for cycle-stable electrode materials of organic supercapacitors. <i>RSC Advances</i> , 2013, 3, 1797-1807.	3.6	21
76	Construction of Well-Defined Redox-Responsive CO ₂ -Based Polycarbonates: Combination of Immortal Copolymerization and Prereaction Approach. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600754.	3.9	21
77	Organocatalyzed Ring-Opening Polymerization of Cyclic Lysine Derivative: Sustainable Access to Cationic Poly(μ -lysine) Mimics. <i>Macromolecules</i> , 2021, 54, 2226-2231.	4.8	21
78	Study on the influence of metal residue on thermal degradation of poly(cyclohexene carbonate). <i>Journal of Polymer Research</i> , 2011, 18, 1177-1183.	2.4	20
79	Growth Behavior of Initial Product Layer Formed on Mg Alloy Surface Induced by Polyaniline. <i>Journal of the Electrochemical Society</i> , 2015, 162, C294-C301.	2.9	20
80	On-Demand Transformation of Carbon Dioxide into Polymers Enabled by a Comb-Shaped Metallic Oligomer Catalyst. <i>ACS Catalysis</i> , 2022, 12, 481-490.	11.2	20
81	Five-coordinated active species in the stereoselective polymerization of ϵ -lactide using N,N ² -(2,2-dimethyl-1,3-propylene) bis(3,5-di-tert-butyl-salicylideneimine) aluminum complexes. <i>Journal of Polymer Science Part A</i> , 2006, 44, 4932-4938.	2.3	19
82	Living and stereoselective polymerization of ϵ -lactide by bimetallic aluminum Schiff ² Base complexes. <i>Journal of Polymer Science Part A</i> , 2014, 52, 1344-1352.	2.3	18
83	Crystalline Regio-/Stereoregular Glycine-Bearing Polymers from ROMP: Effect of Microstructures on Materials Performances. <i>Macromolecules</i> , 2016, 49, 9415-9424.	4.8	18
84	Synthesis of Y-Shaped OEGylated Poly(amino acid)s: The Impact of OEG Architecture. <i>Biomacromolecules</i> , 2019, 20, 1655-1666.	5.4	18
85	Iterative Synthesis of Stereo- and Sequence-Defined Polymers via Acid-Orthogonal Deprotection Chemistry. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	18
86	Deciphering Structure-Functionality Relationship of Polycarbonate-Based Polyelectrolytes by AIE Technology. <i>Macromolecules</i> , 2020, 53, 5839-5846.	4.8	16
87	S Substitution Enables Dovetailing Conflicting Cyclizability, Polymerizability, and Recyclability: Dithiolactone vs. Dilactone. <i>Angewandte Chemie</i> , 2021, 133, 22721-22727.	2.0	16
88	Unity Makes Strength: Constructing Polymeric Catalyst for Selective Synthesis of CO ₂ /Epoxide Copolymer. <i>CCS Chemistry</i> , 2023, 5, 750-760.	7.8	16
89	Soluble 2,5-Dimercapto-1,3,4-thiadiazole/Poly(α -toluidine) Electroactive Composite. <i>Journal of the Electrochemical Society</i> , 1999, 146, 1712-1716.	2.9	15
90	A Multifunctional Polypeptide via Ugi Reaction for Compact and Biocompatible Quantum Dots with Efficient Bioconjugation. <i>Bioconjugate Chemistry</i> , 2018, 29, 1335-1343.	3.6	15

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91	UV-curable cationic waterborne polyurethane from CO ₂ -polyol with excellent water resistance. <i>Polymer</i> , 2021, 218, 123536.	3.8	15
92	Highly stereoselective bimetallic complexes for lactide and ϵ -caprolactone polymerization. <i>RSC Advances</i> , 2014, 4, 57210-57217.	3.6	14
93	One-pot synthesis and postpolymerization functionalization of cyclic carbonate/epoxide-difunctional polycarbonates prepared by regioselective diepoxide/CO ₂ copolymerization. <i>Polymer Chemistry</i> , 2016, 7, 4453-4457.	3.9	14
94	Preparation and Thermal Properties of Polycarbonates/esters Catalyzed by Using Dinuclear Salphâ€Al from Ringâ€Opening Polymerization of Epoxide Monomers. <i>Chemistry - an Asian Journal</i> , 2017, 12, 3135-3140.	3.3	14
95	Temperatureâ€responsive Catalyst for the Coupling Reaction of Carbon Dioxide and Propylene Oxide. <i>Chinese Journal of Chemistry</i> , 2018, 36, 299-305.	4.9	14
96	Organocatalytic Polymerization of Morpholine-2,5-diones toward Methionine-Containing Poly(ester) Tj ETQq0 0 0 rgBT /Overlock 10 TF 5	4.8	14
97	Environmentally benign metal catalyst for the ring-opening copolymerization of epoxide and CO ₂ : state-of-the-art, opportunities, and challenges. <i>Green Chemical Engineering</i> , 2022, 3, 111-124.	6.3	14
98	Organocatalytic Copolymerization of Cyclic Lysine Derivative and ϵ -Caprolactam toward Antibacterial Nylon-6 Polymers. <i>ACS Macro Letters</i> , 2022, 11, 46-52.	4.8	14
99	Morphology and thermal properties of conductive polyaniline/polyamide composite films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2002, 40, 2531-2538.	2.1	13
100	Ether linkage in poly(1,2-propylene carbonate), a key structure factor to tune its performances. <i>Journal of Polymer Research</i> , 2012, 19, 1.	2.4	13
101	One-step synthesis of an urchin-like sulfur/polyaniline nano-composite as a promising cathode material for high-capacity rechargeable lithiumâ€sulfur batteries. <i>RSC Advances</i> , 2015, 5, 92918-92922.	3.6	13
102	Multidentate Comb-Shaped Polypeptides Bearing Trithiocarbonate Functionality: Synthesis and Application for Water-Soluble Quantum Dots. <i>Biomacromolecules</i> , 2017, 18, 924-930.	5.4	13
103	A Oneâ€Step Route to CO ₂ -Based Block Copolymers by Simultaneous ROCOP of CO ₂ /Epoxides and RAFT Polymerization of Vinyl Monomers. <i>Angewandte Chemie</i> , 2018, 130, 3655-3659.	2.0	13
104	Unimolecular Anionâ€Binding Catalysts for Selective Ringâ€Opening Polymerization of Oâ€carboxyanhydrides. <i>Angewandte Chemie</i> , 2021, 133, 6068-6077.	2.0	13
105	<i>S</i> -Carboxyanhydrides: Ultrafast and Selective Ringâ€Opening Polymerizations Towards Wellâ€defined Functionalized Polythioesters. <i>Angewandte Chemie</i> , 2021, 133, 10893-10900.	2.0	13
106	Controlled metalâ€free polymerization toward wellâ€defined thermoresponsive polypeptides by polymerization at low temperature. <i>Journal of Polymer Science Part A</i> , 2016, 54, 2618-2624.	2.3	12
107	Controlled synthesis of CO ₂ -diol from renewable starter by reducing acid value through preactivation approach. <i>Science China Chemistry</i> , 2016, 59, 1369-1375.	8.2	12
108	A One-Pot Procedure to Prepare S-Protected 4-Iodothiophenols. <i>Synthetic Communications</i> , 2000, 30, 4293-4298.	2.1	11

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109	Morphological study on water-borne conducting polyaniline-poly(ethylene oxide) blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2002, 40, 605-612.	2.1	11
110	Polyaniline: an effective suppressor against diffusion and dissolution of polysulfides in Li-S battery. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 2559-2567.	2.5	11
111	Near neutral waterborne cationic polyurethane from CO ₂ -polyol, a compatible binder to aqueous conducting polyaniline for eco-friendly anti-corrosion purposes. <i>Green Chemistry</i> , 2020, 22, 7823-7831.	9.0	11
112	Solvent-Free Polyaniline Coating for Corrosion Prevention of Metal. <i>ACS Symposium Series</i> , 2003, , 254-267.	0.5	10
113	Toughening of amorphous poly(propylene carbonate) by rubbery CO ₂ -based polyurethane: transition from brittle to ductile. <i>RSC Advances</i> , 2015, 5, 49979-49986.	3.6	10
114	Synthesis of Monodisperse Oligo[(1,4-Phenyleneethynylene)- <i>Alt</i> -(2,5-Thiopheneethynylene)]s. <i>Synthetic Communications</i> , 2005, 35, 115-119.	2.1	9
115	Propylene oxide end-capping route to primary hydroxyl group dominated CO ₂ -polyol. <i>Polymer</i> , 2018, 153, 167-172.	3.8	9
116	Oxygen-Triggered Switchable Polymerization for the One-Pot Synthesis of CO ₂ -Based Block Copolymers from Monomer Mixtures. <i>Angewandte Chemie</i> , 2019, 131, 14449-14456.	2.0	9
117	From Impossible to Possible: Atom-Economic Polymerization of Low Strain Five-Membered Carbonates. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	9
118	Amino-functionalized poly(N-vinylcaprolactam) derived from lysine: a sustainable polymer with thermo and pH dual stimuli response. <i>Polymer Chemistry</i> , 2016, 7, 7101-7107.	3.9	8
119	Chain-transfer-catalyst: strategy for construction of site-specific functional CO ₂ -based polycarbonates. <i>Science China Chemistry</i> , 2022, 65, 162-169.	8.2	8
120	Aldehyde end-capped CO ₂ -based polycarbonates: a green synthetic platform for site-specific functionalization. <i>Polymer Chemistry</i> , 2022, 13, 1731-1738.	3.9	8
121	Two-in-One: Photothermal Ring-Opening Copolymerization of CO ₂ and Epoxides. <i>ACS Macro Letters</i> , 2022, 11, 941-947.	4.8	8
122	The Electrochemical Reversibility of the Polyaniline/Organodisulfide Composite Cathode Containing an Organomonothiol. <i>Journal of the Electrochemical Society</i> , 1999, 146, 3230-3233.	2.9	7
123	Cobalt-Mediated Switchable Catalysis for the One-Pot Synthesis of Cyclic Polymers. <i>Angewandte Chemie</i> , 2021, 133, 17111-17116.	2.0	7
124	Water-resistant conducting hybrids from electrostatic interactions. <i>Journal of Polymer Science Part A</i> , 2007, 45, 1424-1431.	2.3	6
125	Cationic polyurethane from CO ₂ -polyol as an effective barrier binder for polyaniline-based metal anti-corrosion materials. <i>Polymer Chemistry</i> , 2021, 12, 1950-1956.	3.9	6
126	Facile Aluminum Porphyrin Complexes Enable Flexible Terminal Epoxides to Boost Properties of CO ₂ -Polycarbonate. <i>Macromolecular Chemistry and Physics</i> , 2022, 223, .	2.2	6

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127	The copolymerization of carbon dioxide and propylene oxide with Y(CCl ₃ COO) ₃ -diphenylzinc-glycerol catalyst. <i>Polymer Bulletin</i> , 2008, 61, 679-688.	3.3	5
128	Iterative Synthesis of Stereo- and Sequence-Defined Polymers via Acid-Orthogonal Deprotection Chemistry. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	5
129	Switchable Polymerization Organocatalysis: From Monomer Mixtures to Block Copolymers. <i>Angewandte Chemie</i> , 0, , .	2.0	5
130	Construction of Self-Reporting Biodegradable CO ₂ -Based Polycarbonates for the Visualization of Thermoresponsive Behavior with Aggregation-Induced Emission Technology. <i>Chinese Journal of Chemistry</i> , 2021, 39, 3037.	4.9	4
131	Synthesis and properties of carbon dioxide based copolymers. <i>Scientia Sinica Chimica</i> , 2018, 48, 883-893.	0.4	4
132	Triple hydrogen-bonding block copolymers via RAFT polymerization: Synthesis, vesicle formation, and molecule-recognition behavior. <i>Journal of Polymer Science Part A</i> , 2016, 54, 1633-1638.	2.3	3
133	COPOLYMERIZATION OF CYCLOHEXENE OXIDE AND CARBON DIOXIDE CATALYZED BY ALUMINUM PORPHYRIN. <i>Acta Polymerica Sinica</i> , 2011, 011, 784-790.	0.0	3
134	DIELS-ALDER REACTION OF FURFURYL GLYCIDYL ETHER/CARBON DIOXIDE COPOLYMER. <i>Acta Polymerica Sinica</i> , 2011, 011, 1336-1340.	0.0	3
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