Jun Ling

List of Publications by Citations

179 papers	3,716 citations	34 h-index	48 g-index
194 ext. papers	4,349 ext. citations	5.5 avg, IF	5.77 L-index

#	Paper	IF	Citations
179	Novel Single Rare Earth Aryloxide Initiators for Ring-Opening Polymerization of 2,2-Dimethyltrimethylene Carbonate. *Macromolecules*, **2001**, 34, 7613-7616	5.5	119
178	Spontaneous Amino-yne Click Polymerization: A Powerful Tool toward Regio- and Stereospecific Poly(aminoacrylate)s. *Journal of the American Chemical Society*, **2017**, 139, 5437-5443	16.4	114
177	Controlling Ring-Opening Copolymerization of Caprolactone with Trimethylene Carbonate by Scandium Tris(2,6-di-tert-butyl-4-methylphenolate). *Macromolecules*, **2004**, 37, 758-763	5.5	98
176	Polysarcosine-containing copolymers: Synthesis, characterization, self-assembly, and applications. *Progress in Polymer Science*, **2018**, 81, 163-208	29.6	96
175	Low-cost AlCl3/Et3NHCl electrolyte for high-performance aluminum-ion battery. *Energy Storage Materials*, **2019**, 17, 38-45	19.4	84
174	A solution-processable bipolar diketopyrrolopyrrole molecule used as both electron donor and acceptor for efficient organic solar cells. *Journal of Materials Chemistry A*, **2015**, 3, 1902-1905	13	71
173	Controlled enzymatic degradation of poly(e-caprolactone)-based copolymers in the presence of porcine pancreatic lipase. *Polymer Degradation and Stability*, **2010**, 95, 643-650	4.7	71
172	Homo- and Block Copolymerizations of Decalactone with l-Lactide Catalyzed by Lanthanum Compounds. *Macromolecules*, **2013**, 46, 7769-7776	5.5	68
171	Pyrene and diketopyrrolopyrrole-based oligomers synthesized via direct arylation for OSC applications. *ACS Applied Materials & Interfaces*, **2014**, 6, 6765-75	9.5	65
170	Lanthanum Tris(2,6-di-tert-butyl-4-methylphenolate) as a Novel, Versatile Initiator for Homo- and Copolymerization of Cyclic Carbonates and Lactones. *Macromolecular Chemistry and Physics*, **2002**, 203, 735-738	2.6	65
169	An ester-functionalized diketopyrrolopyrrole molecule with appropriate energy levels for application in solution-processed organic solar cells. *Journal of Materials Chemistry A*, **2013**, 1, 105-111	13	60
168	Controlled Polymerization of N-Substituted Glycine N-Thiocarboxyanhydrides Initiated by Rare Earth Borohydrides toward Hydrophilic and Hydrophobic Polypeptoids. *Macromolecules*, **2014**, 47, 6173-6180	5.5	57
167	Biased Lewis Pairs: A General Catalytic Approach to Ether-Ester Block Copolymers with Unlimited Ordering of Sequences. *Angewandte Chemie - International Edition*, **2019**, 58, 15478-15487	16.4	55
166	A density functional theory study of the mechanisms of scandium-alkoxide initiated coordination–insertion ring-opening polymerization of cyclic esters. *Polymer*, **2009**, 50, 3575-3581	3.9	51
165	Single Chromophore-Based White-Light-Emitting Hydrogel with Tunable Fluorescence and Patternability. *ACS Applied Materials & Interfaces*, **2018**, 10, 39343-39352	9.5	51
164	PEG-amine-initiated polymerization of sarcosine N-thiocarboxyanhydrides toward novel double-hydrophilic PEG-b-polysarcosine diblock copolymers. *Macromolecular Rapid Communications* , **2014**, 35, 875-81	4.8	47
163	Polysarcosine brush stabilized gold nanorods for in vivo near-infrared photothermal tumor therapy. *Acta Biomaterialia*, **2017**, 50, 534-545	10.8	46

162	A highly selective two-photon fluorogenic probe for formaldehyde and its bioimaging application in cells and zebrafish. *Sensors and Actuators B: Chemical*, **2017**, 241, 1050-1056	8.5	46
161	Polypeptoids with tunable cloud point temperatures synthesized from N-substituted glycine N-thiocarboxyanhydrides. *Polymer Chemistry*, **2015**, 6, 3164-3174	4.9	45
160	Rare-Earth Metal Cations Incorporated Silica Hybrid Nanoparticles Templated by Cylindrical Polymer Brushes. *Chemistry of Materials*, **2013**, 25, 4585-4594	9.6	45
159	Monomer insertion mechanism of ring-opening polymerization of e-caprolactone with yttrium alkoxide intermediate: A DFT study. *Journal of Molecular Catalysis A*, **2009**, 300, 59-64		45
158	Ring opening polymerization of □-amino acid N-carboxyanhydrides catalyzed by rare earth catalysts: Polymerization characteristics and mechanism. *Journal of Polymer Science Part A*, **2012**, 50, 1076-1085	2.5	43
157	Radical Addition-Coupling Polymerization (RACP) toward Periodic Copolymers. *Macromolecules*, **2011**, 44, 8739-8743	5.5	43
156	Phenol-yne Click Polymerization: An Efficient Technique to Facilely Access Regio- and Stereoregular Poly(vinylene ether ketone)s. *Chemistry - A European Journal*, **2017**, 23, 10725-10731	4.8	42
155	Poly(□-caprolactone)-block-polysarcosine by Ring-Opening Polymerization of Sarcosine N-Thiocarboxyanhydride: Synthesis and Thermoresponsive Self-Assembly. *Biomacromolecules*, **2015**, 16, 3265-74	6.9	41
154	Dual-Encryption in a Shape-Memory Hydrogel with Tunable Fluorescence and Reconfigurable Architecture. *Advanced Materials*, **2021**, 33, e2102023	24	39
153	Physical stimuli-responsive liposomes and polymersomes as drug delivery vehicles based on phase transitions in the membrane. *Nanoscale*, **2018**, 10, 6781-6800	7.7	38
152	A diketopyrrolopyrrole molecule end-capped with a furan-2-carboxylate moiety: the planarity of molecular geometry and photovoltaic properties. *Journal of Materials Chemistry A*, **2014**, 2, 6589	13	38
151	Nanoparticle-enhanced chemo-immunotherapy to trigger robust antitumor immunity. *Science Advances*, **2020**, 6, eabc3646	14.3	38
150	Enhanced tumour penetration and prolonged circulation in blood of polyzwitterion-drug conjugates with cell-membrane affinity. *Nature Biomedical Engineering*, **2021**, 5, 1019-1037	19	37
149	Revival of the R-group approach: a "CTA-shuttled" grafting from approach for well-defined cylindrical polymer brushes via RAFT polymerization. *Macromolecular Rapid Communications*, **2014**, 35, 234-241	4.8	35
148	Polymerization of □-amino acid N-carboxyanhydrides catalyzed by rare earth tris(borohydride) complexes: Mechanism and hydroxy-endcapped polypeptides. *Journal of Polymer Science Part A*, **2012**, 50, 3016-3029	2.5	35
147	Hydroxyl Group Tolerated Polymerization of N-Substituted Glycine N-Thiocarboxyanhydride Mediated by Aminoalcohols: A Simple Way to □-Hydroxyl-□-aminotelechelic Polypeptoids. *Macromolecules*, **2017**, 50, 3066-3077	5.5	34
146	A simple and effective fluorescent chemosensor for the cascade recognition of Zn2+ and H2PO4□ ions in protic media. *Tetrahedron*, **2014**, 70, 1011-1015	2.4	34
145	Fe3+@polyDOPA-b-polysarcosine, a T1-Weighted MRI Contrast Agent via Controlled NTA Polymerization. *ACS Macro Letters*, **2018**, 7, 693-698	6.6	34

144	Well-defined biodegradable amphiphilic conetworks. *Soft Matter*, **2013**, 9, 6309	3.6	32
143	Structure-dependent emission of polytriazoles. *Polymer Chemistry*, **2014**, 5, 2301	4.9	31
142	Understanding the Ring-Opening Reaction of α-Amino Acid N-Carboxyanhydride in an Amine-Mediated Living Polymerization: A DFT Study. *Macromolecular Chemistry and Physics*, **2010**, 211, 1708-1711	2.6	31
141	Fabrication of homogeneously Cu2+/La3+-doped CeO2 nanosheets and their application in CO oxidation. *Journal of Materials Chemistry A*, **2017**, 5, 9717-9722	13	30
140	Gold nanoparticles coated with polysarcosine brushes to enhance their colloidal stability and circulation time in vivo. *Journal of Colloid and Interface Science*, **2016**, 483, 201-210	9.3	30
139	Acceptor–acceptor conjugated copolymers based on perylenediimide and benzothiadiazole for all-polymer solar cells. *Journal of Polymer Science Part A*, **2014**, 52, 1200-1215	2.5	30
138	Synthesis, characterization, and mechanism studies on novel rare-earth calixarene complexes initiating ring-opening polymerization of 2,2-dimethyltrimethylene carbonate. *Journal of Polymer Science Part A*, **2003**, 41, 1390-1399	2.5	30
137	Synthesis and characterization of poly(DTC-b-PEG-b-DTC) triblock and poly(TMC-b-DTC-b-PEG-b-DTC-b-TMC) pentablock copolymers and kinetics of the polymerization. *Journal of Polymer Science Part A*, **2005**, 43, 1787-1796	2.5	30
136	Janus Polymerization. *Macromolecules*, **2014**, 47, 2219-2225	5.5	29
135	Unsaturated polyurethane films grafted with enantiomeric polylysine promotes macrophage polarization to a M2 phenotype through PI3K/Akt1/mTOR axis. *Biomaterials*, **2020**, 246, 120012	15.6	28
134	Highly efficient and stable blue polymer light emitting diodes based on polysilafluorenes with pendent hole transporting groups. *Journal of Materials Chemistry C*, **2016**, 4, 905-913	7.1	28
133	α-Amino acid N-thiocarboxyanhydrides: A novel synthetic approach toward poly(α-amino acid)s. *European Polymer Journal*, **2018**, 109, 26-42	5.2	28
132	Polymerization of N-Substituted Glycine N-Thiocarboxyanhydride through Regioselective Initiation of Cysteamine: A Direct Way toward Thiol-Capped Polypeptoids. *Macromolecules*, **2018**, 51, 4494-4501	5.5	28
131	Oxidation-Sensitive Polymersomes Based on Amphiphilic Diblock Copolypeptoids. *Biomacromolecules*, **2019**, 20, 3435-3444	6.9	28
130	Influence of moiety sequence on the performance of small molecular photovoltaic materials. *Journal of Materials Chemistry A*, **2014**, 2, 15396-15405	13	28
129	Copolymerization of trimethylene carbonate and 2,2-dimethyltrimethylene carbonate by rare earth calixarene complexes. *Polymer*, **2005**, 46, 8379-8385	3.9	28
128	Novel lanthanide–polymer complexes for dye-free dual modal probes for MRI and fluorescence imaging. *Polymer Chemistry*, **2015**, 6, 7949-7957	4.9	27
127	Are N-substituted glycine N-thiocarboxyanhydride monomers really hard to polymerize?. *Journal of Polymer Science Part A*, **2017**, 55, 404-410	2.5	27

126	Synthesis and Characterization of Amphiphilic Star-Shaped Polymers With Calix[6]arene Cores. *Macromolecular Chemistry and Physics*, **2006**, 207, 844-849	2.6	27
125	DFT Study on Amine-Mediated Ring-Opening Mechanism of α-Amino Acid N-Carboxyanhydride and N-Substituted Glycine N-Carboxyanhydride: Secondary Amine versus Primary Amine. *Journal of Physical Chemistry A*, **2015**, 119, 7070-4	2.8	26
124	Chemoselective RAFT Polymerization of a Trivinyl Monomer Derived from Carbon Dioxide and 1,3-Butadiene: From Linear to Hyperbranched. *Macromolecules*, **2017**, 50, 9598-9606	5.5	25
123	Brønsted acid-free controlled polymerization of tetrahydrofuran catalyzed by recyclable rare earth triflates in the presence of epoxides. *Polymer*, **2012**, 53, 4112-4118	3.9	25
122	Multifunctional Linear and Hyperbranched Five-Membered Cyclic Carbonate-Based Polymers Directly Generated from CO2 and Alkyne-Based Three-Component Polymerization. *Macromolecules* , **2019**, 52, 5546-5554	5.5	24
121	Design and synthesis of dithieno[3,2-b:2?3?-d]pyrrole-based conjugated polymers for photovoltaic applications: consensus between low bandgap and low HOMO energy level. *Journal of Polymer Science Part A*, **2011**, 49, 1453-1461	2.5	24
120	Near-infrared light triggered photothermal and photodynamic therapy with an oxygen-shuttle endoperoxide of anthracene against tumor hypoxia. *Polymer Chemistry*, **2018**, 9, 2124-2133	4.9	23
119	Preparation of fluorescent organometallic porphyrin complex nanogels of controlled molecular structure via reverse-emulsion click chemistry. *Macromolecular Rapid Communications*, **2012**, 33, 1523-7	4.8	23
118	DFT based Monte Carlo simulations of poly(9,9-dialkylfluorene-2,7-diyl) polymers in solution. *Journal of Physical Chemistry B*, **2008**, 112, 10116-22	3.4	22
117	Ring-opening polymerization of 1-methyltrimethylene carbonate by rare earth initiators. *Journal of Polymer Science Part A*, **2010**, 48, 3807-3815	2.5	21
116	NAM-TMS Mechanism of α-Amino Acid N-Carboxyanhydride Polymerization: A DFT Study. *Journal of Physical Chemistry A*, **2017**, 121, 4588-4593	2.8	20
115	Highly efficient hybrid solar cells with tunable dipole at the donor-acceptor interface. *Nanoscale*, **2014**, 6, 10545-50	7.7	20
114	Surface interactions surpass carbon-carbon bond: understanding and control of the scission behavior of core-shell polymer brushes on surfaces. *ACS Nano*, **2013**, 7, 2284-91	16.7	20
113	Ring-opening polymerization of ε-caprolactone catalyzed by Yttrium trisphenolate in the presence of 1,2-propanediol. Do both primary and secondary hydroxyl groups initiate polymerization?. *Journal of Polymer Science Part A*, **2011**, 49, 2081-2089	2.5	20
112	Bio-inspired and lanthanide-induced hierarchical sodium alginate/graphene oxide composite paper with enhanced physicochemical properties. *Composites Science and Technology*, **2017**, 145, 62-70	8.6	19
111	Solvation effect in precursor solution enables over 16% efficiency in thick 2D perovskite solar cells. *Journal of Materials Chemistry A*, **2019**, 7, 19423-19429	13	19
110	Deprotonation reaction of α-amino acid N-carboxyanhydride at 4-CH position by yttrium tris[bis(trimethylsilyl)amide]. *Journal of Polymer Science Part A*, **2012**, 50, 3743-3749	2.5	19
109	Molecular Simulation on the Interactions of Water with Polypropylene Surfaces. *Journal of Physical Chemistry C*, **2011**, 115, 10702-10708	3.8	19

108	Interaction among violanthrone molecules: observation, enhancement, and resulting charge transport properties. *Journal of Physical Chemistry B*, **2011**, 115, 618-23	3.4	19
107	Monte Carlo simulation of gas phase polymerization of 1,3-butadiene Part I. Modeling and programming. *Polymer*, **2000**, 41, 8703-8707	3.9	19
106	Europium(III) diketone complex as portable luminescent chemosensor for naked eye Cu2+ detection and recyclable on off on vapor response. *RSC Advances*, **2015**, 5, 102535-102541	3.7	17
105	Diketopyrrolopyrrole-based acceptor acceptor conjugated polymers: The importance of comonomer on their charge transportation nature. *Journal of Polymer Science Part A*, **2014**, 52, 2356-2366	2.5	17
104	Effect of Solvent-Assisted Nanoscaled Organo-Gels on Morphology and Performance of Organic Solar Cells. *Journal of Physical Chemistry C*, **2012**, 116, 16893-16900	3.8	17
103	Synthesis and Spectroscopic Studies of Macrocyclic Polystyrene Containing Two Fluorene Units and Single 9,10-Anthracenylidene Group. *Macromolecules*, **2009**, 42, 6015-6022	5.5	17
102	Novel direct synthetic approach to thiol-functionalized poly(caprolactone) by highly chemselective and low costly rare earth phenolate catalysts. *Journal of Polymer Science Part A*, **2010**, 48, 4366-4369	2.5	17
101	Organocatalyzed chemoselective ring-opening polymerizations. *Scientific Reports*, **2018**, 8, 3734	4.9	16
100	Correlation between phenol structure and catalytic activity of samarium(III) phenolates in polymerization of e-caprolactone. *Journal of Molecular Catalysis A*, **2005**, 230, 135-141		16
99	A-D-A small molecule donors based on pyrene and diketopyrrolopyrrole for organic solar cells. *Science China Chemistry*, **2017**, 60, 561-569	7.9	15
98	A novel approach to RE OR bond from in situ reaction of rare earth triflates and sodium alkoxides: A versatile catalyst for living ring-opening polymerization of caprolactone. *Polymer*, **2014**, 55, 2404-2410	3.9	15
97	Direct cyclodextrin-mediated ring opening polymerization of ?-caprolactone in the presence of yttrium trisphenolate catalyst. *Macromolecular Rapid Communications*, **2012**, 33, 1008-13	4.8	15
96	Recognition mechanism of theophylline-imprinted polymers: two-dimensional infrared analysis and density functional theory study. *Journal of Physical Chemistry B*, **2009**, 113, 7053-8	3.4	15
95	Branched Polytetrahydrofuran and Poly(tetrahydrofuran-co- caprolactone) Synthesized by Janus Polymerization: A Novel Self-Healing Material. *Macromolecular Chemistry and Physics*, **2017**, 218, 1600450	2.6	14
94	Synthetic protocols toward polypeptide conjugates via chain end functionalization after RAFT polymerization. *RSC Advances*, **2015**, 5, 18546-18553	3.7	14
93	Pracinostat (SB939), a histone deacetylase inhibitor, suppresses breast cancer metastasis and growth by inactivating the IL-6/STAT3 signalling pathways. *Life Sciences*, **2020**, 248, 117469	6.8	14
92	One-pot grafting-from synthesis of amphiphilic bottlebrush block copolymers containing PLA and PVP side chains via tandem ROP and RAFT polymerization. *Polymer*, **2018**, 138, 378-386	3.9	14
91	3-Miktoarm Star Terpolymers via Janus Polymerization: One-Step Synthesis and Self-Assembly. *Macromolecules*, **2018**, 51, 4938-4944	5.5	14

90	Ring-opening polymerization of cyclohexene oxide by recyclable scandium triflate in room temperature ionic liquid. *Journal of Applied Polymer Science*, **2012**, 124, 2537-2540	2.9	14
89	Donor-Acceptor Oligomers and Polymers Composed of Benzothiadiazole and 3-Hexylthiophene: Effect of Chain Length and Regioregularity. *Chinese Journal of Chemistry*, **2013**, 31, 1367-1379	4.9	14
88	Polymersomes with aggregation-induced emission based on amphiphilic block copolypeptoids. *Chemical Communications*, **2019**, 55, 13530-13533	5.8	14
87	Aroylacetylene-Based Amino-Yne Click Polymerization toward Nitrogen-Containing Polymers. *Macromolecules*, **2020**, 53, 2516-2525	5.5	13
86	Hierarchical alginate biopolymer papers produced via lanthanide ion coordination. *RSC Advances*, **2016**, 6, 63171-63177	3.7	13
85	Palladium/Benzoic Acid-Catalyzed Regio- and Stereoselective Polymerization of Internal Diynes and Diols through C(sp3)–H Activation. *ACS Macro Letters*, **2019**, 8, 1068-1074	6.6	13
84	A chiral polymer-based turn-on fluorescent sensor for specific recognition of hydrogen sulfate. *Journal of Polymer Science Part A*, **2012**, 50, 4191-4197	2.5	13
83	Controlled ring-opening polymerization of ε-caprolactone initiated by in situ formed yttrium trisalicylaldimine complexes, and their study by density functional theory. *Polymer International*, **2011**, 60, 1745-1752	3.3	13
82	Homo- and Copolymerization of ε-Caprolactone and 2,2-Dimethyltrimethylene Carbonate by Rare Earth Initiators. *Chinese Journal of Chemistry*, **2010**, 20, 1369-1374	4.9	13
81	Carbon Dot/Poly(methylacrylic acid) Nanocomposite Hydrogels with High Toughness and Strong Fluorescence. *ACS Applied Polymer Materials*, **2020**, 2, 1043-1052	4.3	13
80	Identifying the Hydrolysis of Carbonyl Sulfide as a Side Reaction Impeding the Polymerization of N-Substituted Glycine N-Thiocarboxyanhydride. *Biomacromolecules*, **2018**, 19, 4263-4269	6.9	13
79	Self-assembly and pH-responsive properties of poly(L-glutamic acid-r-L-leucine) and poly(L-glutamic acid-r-L-leucine)-b-polysarcosine. *Chinese Journal of Polymer Science (English Edition)*, **2015**, 33, 1186-1195	3.5	12
78	Chiroptical inversion induced by rotation of a carbon-carbon single bond: an experimental and theoretical study. *Journal of Physical Chemistry A*, **2014**, 118, 283-92	2.8	12
77	[PCL-b-P(THF-co-CL)]m multiblock copolymer synthesized by Janus polymerization. *Polymer*, **2017**, 128, 71-77	3.9	12
76	Properties of Electrospun Nanofibers of Multi-Block Copolymers of [Poly-ε-caprolactone-b-poly(tetrahydrofuran-co-ε-caprolactone)] Synthesized by Janus Polymerization. *Polymers*, **2017**, 9,	4.5	12
75	Azo-capped polysarcosine-b-polylysine as polypeptide gene vector: A new strategy to improve stability and easy optimization via host-guest interaction. *Colloids and Surfaces B: Biointerfaces*, **2015**, 130, 31-9	6	11
74	Selective Adsorption of Isopropyl Alcohol Aqueous Solution on Polypropylene Surfaces: A Molecular Dynamics Simulation. *Journal of Physical Chemistry C*, **2011**, 115, 22415-22421	3.8	11
73	Synthesis and Solution Self-Assembly of Poly(1,3-dioxolane). *Macromolecules*, **2019**, 52, 3359-3366	5.5	10

72	Phosgene-free synthesis of non-ionic hydrophilic polyserine. *Polymer Chemistry*, **2016**, 7, 519-522	4.9	10
71	White light emission of multi-chromophore photoluminescent nanoparticles using polyacrylate scaffold copolymers with pendent polyfluorene groups. *Polymer Chemistry*, **2014**, 5, 5109	4.9	10
70	Synthesis of □hydroxy-□aminotelechelic polypeptide from □amino acid N-carboxyanhydrides catalyzed by alkali-metal borohydrides. *Chinese Journal of Polymer Science (English Edition)*, **2014**, 32, 743-750	3.5	10
69	Photoluminescent nanoparticles in water with tunable emission for coating and ink-jet printing. *Journal of Materials Chemistry C*, **2015**, 3, 3666-3675	7.1	10
68	Research into europium complexes as magnetic resonance imaging contrast agents (Review). *Experimental and Therapeutic Medicine*, **2015**, 9, 1561-1566	2.1	10
67	Synthesis and self-assembly of poly(ethylene glycol)-block-poly(N-3-(methylthio)propyl glycine) and their oxidation-sensitive polymersomes. *Chinese Chemical Letters*, **2020**, 31, 1931-1935	8.1	10
66	Side chain engineering on a small molecular semiconductor: Balance between solubility and performance by choosing proper positions for alkyl side chains. *Organic Electronics*, **2018**, 61, 56-64	3.5	10
65	Block Polypeptoids: Synthesis, Characterization, and Response Toward Irradiation with UV Light and Temperature. *Macromolecules*, **2020**, 53, 5218-5226	5.5	9
64	Rod-like nano-light harvester. *Macromolecular Rapid Communications*, **2014**, 35, 52-5	4.8	9
63	Homopolymerization of □caprolactone Initiated by a Scandium Aryloxide. *Polymer Bulletin*, **2004**, 52, 185-189	2.4	9
62	Isothermal crystallization of random copolymers of □caprolactone with 2,2-dimethyltrimethylene carbonate. *Polymer*, **2003**, 44, 5827-5832	3.9	9
61	Heavy Water Enables High-Voltage Aqueous Electrochemistry via the Deuterium Isotope Effect. *Journal of Physical Chemistry Letters*, **2020**, 11, 303-310	6.4	9
60	Synthesis and Properties of Networks Based on Thiol-ene Chemistry Using a CO -Based □Lactone. *Macromolecular Rapid Communications*, **2018**, 39, e1800395	4.8	8
59	Carbon bridged triphenolate lanthanide complexes: synthesis, characterization, DFT studies and catalytic activities for isoprene polymerization. *Dalton Transactions*, **2015**, 44, 11182-90	4.3	8
58	Synthesis of star-shaped poly(?-caprolactone) by samarium-based tetrafunctional initiator and its dilute-solution properties. *Journal of Applied Polymer Science*, **2006**, 102, 175-182	2.9	8
57	Molecular structure and properties of click hydrogels with controlled dangling end defect. *Journal of Polymer Science, Part B: Polymer Physics*, **2016**, 54, 1227-1236	2.6	8
56	Hydroxyl-tolerated polymerization of N-phenoxycarbonyl □amino acids: A simple way to polypeptides bearing hydroxyl groups. *Journal of Polymer Science Part A*, **2019**, 57, 907-916	2.5	7
55	Zwitterionic copolymerization of □butyrolactone with 3,3-bis(chloromethyl) oxacyclobutane catalyzed by scandium triflates. *Polymer Chemistry*, **2020**, 11, 1845-1851	4.9	7

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52	Syntheses and properties of poly(diethyl vinylphosphonate) initiated by lanthanide tris(borohydride) complexes: Polymerization controllability and mechanism. *Journal of Polymer Science Part A*, **2013**, 51, 2409-2415	2.5	7
51	Well-defined novel fluorene-containing polymers: synthesis, fluorescent properties, and micellar nanoparticles. *Journal of Colloid and Interface Science*, **2013**, 390, 105-13	9.3	7
50	Monte Carlo simulation of gas phase polymerization of 1,3-butadiene. Part II: Kinetics optimization and confirmation. *Polymer International*, **2003**, 52, 213-217	3.3	7
49	Polymerization rate difference of N-alkyl glycine NCAs: Steric hindrance or not?. *Biopolymers*, **2019**, 110, e23261	2.2	7
48	Ring-Opening Polymerization of CO-Based Disubstituted δ-Valerolactone toward Sustainable Functional Polyesters.. *ACS Macro Letters*, **2021**, 10, 1055-1060	6.6	7
47	A CTA-shuttled R-group approach: a versatile synthetic tool towards well-defined functional cylindrical polymer brushes via RAFT polymerization. *Polymer Chemistry*, **2017**, 8, 2659-2665	4.9	6
46	Searching proper oligothiophene segment as centre donor moiety for isoindigo-based small molecular photovoltaic materials. *Organic Electronics*, **2017**, 42, 93-101	3.5	6
45	Synthesis of Polypeptoid-Polycaprolactone-Polytetrahydrofuran Heterograft Molecular Polymer Brushes via a Combination of Janus Polymerization and ROMP. *Macromolecular Rapid Communications*, **2019**, 40, e1800905	4.8	6
44	Preparation and polymerization mechanism of dihydroxy-capped PCL, poly(CL-b-PEG-b-CL) and poly(DTC-b-CL-b-DTC). *Science in China Series B: Chemistry*, **2005**, 48, 334		6
43	Kinetics simulation of high viscous styrene bulk polymerization system. *European Polymer Journal*, **2001**, 37, 2407-2411	5.2	6
42	Amphiphilic Copolymers of Polyfluorene Methacrylates Exhibiting Tunable Emissions for Ink-Jet Printing. *Macromolecular Rapid Communications*, **2016**, 37, 1352-6	4.8	6
41	Ag@polyDOPA-b-polysarcosine hybrid nanoparticles with antimicrobial properties from in-situ reduction and NTA polymerization. *European Polymer Journal*, **2019**, 121, 109269	5.2	5
40	One-step synthesis and regioselective polymerization of Nε,Nε-bisphenoxycarbonyl-L-ornithine. *Polymer Chemistry*, **2019**, 10, 1062-1066	4.9	5
39	Understanding ring-closing and racemization to prepare α-amino acid NCA and NTA monomers: a DFT study. *Physical Chemistry Chemical Physics*, **2020**, 22, 14868-14874	3.6	5
38	Donor–acceptor photovoltaic polymers based on 1,4-dithienyl-2,5-dialkoxybenzene with intramolecular noncovalent interactions. *Journal of Polymer Science Part A*, **2018**, 56, 689-698	2.5	5
37	Mechanism of Janus Polymerization: A DFT Study. *Chinese Journal of Polymer Science (English Edition)*, **2019**, 37, 990-994	3.5	5

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35	Donor–acceptor optoelectronic molecules based on hexa-peri-hexabenzocoronene and benzothiadiazole units: effect of different combinations. *Tetrahedron*, **2016**, 72, 4329-4336	2.4	4
34	Special photophysical properties of poly(2,11-diquinoxalinopyrene)s. *Chinese Journal of Polymer Science (English Edition)*, **2017**, 35, 1097-1109	3.5	4
33	Mechanism of Phosphor Ylide-Mediated Living Polymerizations of MMA. Nature of Side Reactions in the Formation of Initiators. *Macromolecules*, **2006**, 39, 9665-9667	5.5	4
32	A novel catalyst of lanthanum tris(2,6-di-tert-butyl-4-methylphenolate) for ring-opening polymerization of adipic anhydride. *European Polymer Journal*, **2004**, 40, 647-650	5.2	4
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