

Daniel Taton

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130
papers

7,286
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49
h-index

81
g-index

131
ext. papers

7,759
ext. citations

6.6
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5.86
L-index

#	Paper	IF	Citations
130	N-Heterocyclic carbenes (NHCs) as organocatalysts and structural components in metal-free polymer synthesis. <i>Chemical Society Reviews</i> , 2013 , 42, 2142-72	58.5	417
129	Atom Transfer Radical Polymerization of Styrene Using a Novel Octafunctional Initiator: Synthesis of Well-Defined Polystyrene Stars. <i>Macromolecules</i> , 1998 , 31, 7218-7225	5.5	296
128	Update and challenges in organo-mediated polymerization reactions. <i>Progress in Polymer Science</i> , 2016 , 56, 64-115	29.6	226
127	Amphiphilic Stars and Dendrimer-Like Architectures Based on Poly(Ethylene Oxide) and Polystyrene. <i>Macromolecules</i> , 2000 , 33, 5418-5426	5.5	211
126	Synthesis of Polyurethanes Using Organocatalysis: A Perspective. <i>Macromolecules</i> , 2015 , 48, 3153-3165	5.5	180
125	A Versatile Synthetic Approach to Polypeptide Based Rod-Coil Block Copolymers by Click Chemistry. <i>Macromolecules</i> , 2007 , 40, 5653-5661	5.5	175
124	Synthesis by RAFT and Ionic Responsiveness of Double Hydrophilic Block Copolymers Based on Ionic Liquid Monomer Units. <i>Macromolecules</i> , 2008 , 41, 6299-6308	5.5	172
123	Xanthates as Chain-Transfer Agents in Controlled Radical Polymerization (MADIX): Structural Effect of the O-Alkyl Group. <i>Macromolecular Rapid Communications</i> , 2002 , 23, 1049-1054	4.8	167
122	pH and temperature responsive polymeric micelles and polymersomes by self-assembly of poly[2-(dimethylamino)ethyl methacrylate]-b-poly(glutamic acid) double hydrophilic block copolymers. <i>Langmuir</i> , 2010 , 26, 10546-54	4	153
121	Synthesis and Surface Properties of Amphiphilic Star-Shaped and Dendrimer-like Copolymers Based on Polystyrene Core and Poly(ethylene oxide) Corona. <i>Macromolecules</i> , 2003 , 36, 8253-8259	5.5	145
120	N-heterocyclic carbene-induced zwitterionic ring-opening polymerization of ethylene oxide and direct synthesis of alpha,omega-difunctionalized poly(ethylene oxide)s and poly(ethylene oxide)-b-poly(epsilon-caprolactone) block copolymers. <i>Journal of the American Chemical Society</i> , 2002 , 124, 2001-2008	16.4	144
119	Direct Synthesis of Double Hydrophilic Statistical Di- and Triblock Copolymers Comprised of Acrylamide and Acrylic Acid Units via the MADIX Process. <i>Macromolecular Rapid Communications</i> , 2001 , 22, 1497	4.8	143
118	Synthesis of Water-Soluble Star-Block and Dendrimer-like Copolymers Based on Poly(ethylene oxide) and Poly(acrylic acid). <i>Macromolecules</i> , 2003 , 36, 3874-3881	5.5	141
117	Imidazol(in)ium hydrogen carbonates as a genuine source of N-heterocyclic carbenes (NHCs): applications to the facile preparation of NHC metal complexes and to NHC-organocatalyzed molecular and macromolecular syntheses. <i>Journal of the American Chemical Society</i> , 2012 , 134, 6776-84	16.4	138
116	Synthesis of chiral and racemic functional polymers from glycidol and thioglycidol. <i>Macromolecular Chemistry and Physics</i> , 1994 , 195, 139-148	2.6	134
115	Poly(N-heterocyclic-carbene)s and their CO ₂ Adducts as Recyclable Polymer-Supported Organocatalysts for Benzoin Condensation and Transesterification Reactions. <i>Macromolecules</i> , 2011 , 44, 1900-1908	5.5	125
114	Toward an easy access to dendrimer-like poly(ethylene oxide)s. <i>Journal of the American Chemical Society</i> , 2005 , 127, 10956-66	16.4	119

113	Harnessing the potential of N-heterocyclic carbenes for the rejuvenation of group-transfer polymerization of (meth)acrylics. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 5390-3	16.4	113
112	Group Transfer Polymerization of (Meth)acrylic Monomers Catalyzed by N-Heterocyclic Carbenes and Synthesis of All Acrylic Block Copolymers: Evidence for an Associative Mechanism. <i>Macromolecules</i> , 2009 , 42, 5996-6005	5.5	103
111	Toward an Easy Access to Asymmetric Stars and Miktoarm Stars by Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2002 , 35, 9001-9008	5.5	100
110	Scope of the Copper Halide/Bipyridyl System Associated with Calixarene-Based Multihalides for the Synthesis of Well-Defined Polystyrene and Poly(meth)acrylate Stars. <i>Macromolecules</i> , 2000 , 33, 7261-7274	5.5	100
109	pH responsiveness of dendrimer-like poly(ethylene oxide)s. <i>Journal of the American Chemical Society</i> , 2006 , 128, 11551-62	16.4	92
108	Polymeric Vesicles and Micelles Obtained by Self-Assembly of Ionic Liquid-Based Block Copolymers Triggered by Anion or Solvent Exchange. <i>Macromolecules</i> , 2009 , 42, 5167-5174	5.5	89
107	Metal-free and solvent-free access to alpha,omega-heterodifunctionalized poly(propylene oxide)s by N-heterocyclic carbene-induced ring opening polymerization. <i>Chemical Communications</i> , 2010 , 46, 3203-5	5.8	85
106	Synthesis of Dendrimer-Like Polystyrene by Atom Transfer Radical Polymerization and Investigation of Their Viscosity Behavior. <i>Macromolecules</i> , 2005 , 38, 3120-3128	5.5	85
105	Micelles and polymersomes obtained by self-assembly of dextran and polystyrene based block copolymers. <i>Biomacromolecules</i> , 2009 , 10, 32-40	6.9	84
104	Synthesis and Self-Assembly in Bulk of Linear and Mikto-Arm Star Block Copolymers Based on Polystyrene and Poly(glutamic acid). <i>Macromolecules</i> , 2008 , 41, 1384-1392	5.5	83
103	Janus-type dendrimer-like poly(ethylene oxide)s. <i>Journal of the American Chemical Society</i> , 2008 , 130, 11662-76	16.4	77
102	Polymer support of single-site catalysts for heterogeneous olefin polymerization. <i>Progress in Polymer Science</i> , 2011 , 36, 89-126	29.6	76
101	Synthesis of Multifunctional Dithioesters Using Tetraphosphorus Decasulfide and Their Behavior as RAFT Agents. <i>Macromolecules</i> , 2004 , 37, 5513-5519	5.5	75
100	Synthesis and characterization of linear, hyperbranched, and dendrimer-like polymers constituted of the same repeating unit. <i>Chemistry - A European Journal</i> , 2001 , 7, 3095-105	4.8	74
99	Functional mesoporous poly(ionic liquid)-based copolymer monoliths: From synthesis to catalysis and microporous carbon production. <i>Polymer</i> , 2014 , 55, 3423-3430	3.9	73
98	N-Heterocyclic Carbene-Organocatalyzed Ring-Opening Polymerization of Ethylene Oxide in the Presence of Alcohols or Trimethylsilyl Nucleophiles as Chain Moderators for the Synthesis of Heterodifunctionalized Poly(ethylene oxide)s. <i>Macromolecules</i> , 2010 , 43, 2814-2823	5.5	72
97	Imidazolium hydrogen carbonates versus imidazolium carboxylates as organic precatalysts for N-heterocyclic carbene catalyzed reactions. <i>Journal of Organic Chemistry</i> , 2012 , 77, 10135-44	4.2	67
96	Dendrimer-like polymers: a new class of structurally precise dendrimers with macromolecular generations. <i>New Journal of Chemistry</i> , 2007 , 31, 1097	3.6	67

95	Synthesis of 1-Vinyl-3-ethylimidazolium-Based Ionic Liquid (Co)polymers by Cobalt-Mediated Radical Polymerization. <i>Macromolecules</i> , 2011 , 44, 6397-6404	5.5	65
94	Thermoresponsive micelles from Jeffamine-b-poly(L-glutamic acid) double hydrophilic block copolymers. <i>Langmuir</i> , 2007 , 23, 11526-33	4	65
93	Towards an easy access to amphiphilic rod-coil miktoarm star copolymers. <i>Chemical Communications</i> , 2005 , 1993-5	5.8	62
92	Expanding the Scope of Group Transfer Polymerization Using N-Heterocyclic Carbenes as Catalysts: Application to Miscellaneous (Meth)acrylic Monomers and Kinetic Investigations. <i>Macromolecules</i> , 2010 , 43, 8853-8861	5.5	58
91	Polymerization of ethylene oxide with a calixarene-based precursor: Synthesis of eight-arm poly(ethylene oxide) stars by the core-first methodology. <i>Journal of Polymer Science Part A</i> , 2003 , 41, 1669-1676	2.5	58
90	Enzyme-degradable self-assembled nanostructures from polymer-peptide hybrids. <i>Biomacromolecules</i> , 2014 , 15, 1882-8	6.9	54
89	No matter the order of monomer addition for the synthesis of well-defined block copolymers by sequential group transfer polymerization using N-heterocyclic carbenes as catalysts. <i>Polymer Chemistry</i> , 2011 , 2, 1706	4.9	54
88	Synthesis and Investigation of Surface Properties of Dendrimer-like Copolymers Based on Polystyrene and Poly(tert-butylacrylate). <i>Macromolecules</i> , 2005 , 38, 5459-5467	5.5	54
87	Controlled polymerizations as tools for the design of star-like and dendrimer-like polymers. <i>Polymer International</i> , 2006 , 55, 1138-1145	3.3	54
86	Poly(ionic liquid)s based on imidazolium hydrogen carbonate monomer units as recyclable polymer-supported N-heterocyclic carbenes: Use in organocatalysis. <i>Journal of Polymer Science Part A</i> , 2013 , 51, 4530-4540	2.5	53
85	Closer to the "ideal recoverable catalyst" for atom transfer radical polymerization using a molecular non-fluorous thermomorphic system. <i>Journal of the American Chemical Society</i> , 2004 , 126, 7764-5	16.4	50
84	Reaction of cyclic tetrathiophosphates with carboxylic acids as a means to generate dithioesters and control radical polymerization by RAFT. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 2869-72	16.4	50
83	Opportunities for organocatalysis in polymer synthesis via step-growth methods. <i>Progress in Polymer Science</i> , 2019 , 90, 164-210	29.6	50
82	Synthesis of Block Copolypeptides by Click Chemistry. <i>Macromolecular Rapid Communications</i> , 2008 , 29, 1147-1155	4.8	49
81	Novel amphiphilic branched copolymers based on polystyrene and poly(ethylene oxide). <i>Macromolecular Chemistry and Physics</i> , 1998 , 199, 2501-2510	2.6	48
80	Water soluble polymeric nanogels by xanthate-mediated radical crosslinking copolymerisation. <i>Chemical Communications</i> , 2006 , 1953-5	5.8	46
79	Fluorinated Poly(ionic liquid) Diblock Copolymers Obtained by Cobalt-Mediated Radical Polymerization-Induced Self-Assembly. <i>ACS Macro Letters</i> , 2017 , 6, 121-126	6.6	44
78	AFM study of micelle chaining in surface films of polystyrene-block-poly(ethylene oxide) stars at the air/water interface. <i>Langmuir</i> , 2005 , 21, 3424-31	4	44

77	pH and redox responsive hydrogels and nanogels made from poly(2-ethyl-2-oxazoline). <i>Polymer Chemistry</i> , 2013 , 4, 4801	4.9	43
76	N-Heterocyclic carbene-catalysed synthesis of polyurethanes. <i>Polymer Chemistry</i> , 2012 , 3, 605	4.9	43
75	Aggregation and Surface Morphology of a Poly(ethylene oxide)-block-polystyrene Three-Arm Star Polymer at the Air/Water Interface Studied by AFM. <i>Macromolecules</i> , 2002 , 35, 6483-6485	5.5	43
74	Step-Growth Polymerization of Terephthaldehyde Catalyzed by N-Heterocyclic Carbenes. <i>Macromolecules</i> , 2009 , 42, 4932-4936	5.5	42
73	Synthesis of Poly(vinyl acetate) Nanogels by Xanthate-Mediated Radical Crosslinking Copolymerization. <i>Macromolecular Rapid Communications</i> , 2008 , 29, 1965-1972	4.8	42
72	Association of Adhesive Spheres Formed by Hydrophobically End-Capped PEO. 2. Influence of the Alkyl End-Group Length and the Chain Backbone Architecture. <i>Macromolecules</i> , 2003 , 36, 1341-1348	5.5	42
71	Stars and dendrimer-like architectures by the divergent method using controlled radical polymerization. <i>Macromolecular Symposia</i> , 2001 , 174, 333-341	0.8	42
70	The organocatalytic ring-opening polymerization of N-tosyl aziridines by an N-heterocyclic carbene. <i>Chemical Communications</i> , 2016 , 52, 9719-22	5.8	40
69	Precision synthesis of poly(ionic liquid)-based block copolymers by cobalt-mediated radical polymerization and preliminary study of their self-assembling properties. <i>Macromolecular Rapid Communications</i> , 2014 , 35, 422-30	4.8	39
68	Direct Route to Well-Defined Poly(ionic liquid)s by Controlled Radical Polymerization in Water. <i>ACS Macro Letters</i> , 2014 , 3, 1276-1280	6.6	39
67	Polystyrene-b-poly(tert-butyl acrylate) and polystyrene-b-poly(acrylic acid) dendrimer-like copolymers: two-dimensional self-assembly at the air-water interface. <i>Langmuir</i> , 2007 , 23, 2531-8	4	38
66	Synthesis of functionalized multiarm poly(ethylene oxide) stars. <i>Polymer</i> , 2003 , 44, 5067-5074	3.9	38
65	Crystallisation-driven self-assembly of poly(2-isopropyl-2-oxazoline)-block-poly(2-methyl-2-oxazoline) above the LCST. <i>Soft Matter</i> , 2015 , 11, 3354-9	3.6	37
64	Unexpected Synthesis of Segmented Poly(hydroxyurea-urethane)s from Dicyclic Carbonates and Diamines by Organocatalysis. <i>Macromolecules</i> , 2018 , 51, 5556-5566	5.5	37
63	Post-polymerization modification and organocatalysis using reactive statistical poly(ionic liquid)-based copolymers. <i>Polymer</i> , 2014 , 55, 3404-3414	3.9	37
62	Polystyrene-block-poly(ethylene oxide) stars as surface films at the air/water interface. <i>Langmuir</i> , 2005 , 21, 7380-9	4	35
61	One-Pot Synthesis of Double Poly(Ionic Liquid) Block Copolymers by Cobalt-Mediated Radical Polymerization-Induced Self-Assembly (CMR-PISA) in Water. <i>Macromolecular Rapid Communications</i> , 2016 , 37, 1181-7	4.8	35
60	Isoselective Ring-Opening Polymerization of rac-Lactide from Chiral Takemoto-Organocatalysts: Elucidation of Stereocontrol. <i>ACS Macro Letters</i> , 2018 , 7, 1413-1419	6.6	35

- 59 Cyclodimerization versus polymerization of methyl methacrylate induced by N-heterocyclic carbenes: a combined experimental and theoretical study. *Chemistry - A European Journal*, **2014**, 20, 3989-3997 4.8 34
- 58 Fast Access to Dendrimer-like Poly(ethylene oxide)s through Anionic Ring-Opening Polymerization of Ethylene Oxide and Use of Nonprotected Glycidol as Branching Agent. *Macromolecules*, **2009**, 42, 7292-7298 5.5 34
- 57 Macromolecular Design by Interchange of Xanthates: Background, Design, Scope and Applications 373-421 34
- 56 Innovative polyelectrolytes/poly(ionic liquid)s for energy and the environment. *Polymer International*, **2017**, 66, 1119-1128 3.3 33
- 55 All Poly(ionic liquid)-Based Block Copolymers by Sequential Controlled Radical Copolymerization of Vinylimidazolium Monomers. *Macromolecules*, **2015**, 48, 5230-5243 5.5 33
- 54 One-Pot Synthesis and PEGylation of Hyperbranched Polyacetals with a Degree of Branching of 100%. *Macromolecules*, **2014**, 47, 1532-1542 5.5 32
- 53 A comprehensive investigation into controlled/living chain growth crosslinking copolymerization including a back to basics modeling. *Journal of Polymer Science Part A*, **2009**, 47, 5313-5327 2.5 30
- 52 Aldehyde-functional copolymers based on poly(2-oxazoline) for post-polymerization modification. *European Polymer Journal*, **2015**, 62, 322-330 5.2 29
- 51 Selective Initiation from Unprotected Aminoalcohols for the N-Heterocyclic Carbene-Organocatalyzed Ring-Opening Polymerization of 2-Methyl-N-tosyl Aziridine: Telechelic and Block Copolymer Synthesis. *Macromolecules*, **2018**, 51, 2533-2541 5.5 29
- 50 Hyperbranched polyesters by polycondensation of fatty acid-based AB_n-type monomers. *Green Chemistry*, **2017**, 19, 259-269 10 29
- 49 Block copolymer micelles as nanoreactors for single-site polymerization catalysts. *Journal of Polymer Science Part A*, **2009**, 47, 197-209 2.5 29
- 48 Non-Isocyanate Polyurethane Soft Nanoparticles Obtained by Surfactant-Assisted Interfacial Polymerization. *Langmuir*, **2017**, 33, 1959-1968 4 28
- 47 Organic Lewis Pairs Based on Phosphine and Electrophilic Silane for the Direct and Controlled Polymerization of Methyl Methacrylate: Experimental and Theoretical Investigations. *Macromolecules*, **2017**, 50, 762-774 5.5 28
- 46 Functionalized Star-Like Polystyrenes as Organic Supports of a Tridentate Bis(imino)pyridinyliron/Aluminic Derivative Catalytic System for Ethylene Polymerization. *Macromolecular Rapid Communications*, **2005**, 26, 1619-1625 4.8 28
- 45 Imidazolium-Based Poly(Ionic Liquid)s Featuring Acetate Counter Anions: Thermally Latent and Recyclable Precursors of Polymer-Supported N-Heterocyclic Carbenes for Organocatalysis. *Macromolecular Rapid Communications*, **2016**, 37, 1143-9 4.8 27
- 44 Synthesis of self-healable waterborne isocyanate-free poly(hydroxyurethane)-based supramolecular networks by ionic interactions. *Polymer Chemistry*, **2019**, 10, 2723-2733 4.9 26
- 43 Synthesis and Characterization of C60 End-Capped Poly(ethylene oxide) Stars. *Macromolecules*, **1998**, 31, 6030-6033 5.5 26
- 42 Intramolecular Quaternization as Folding Strategy for the Synthesis of Catalytically Active Imidazolium-Based Single Chain Nanoparticles. *ACS Macro Letters*, **2017**, 6, 489-494 6.6 25

41	Expanding the scope of N-heterocyclic carbene-organocatalyzed ring-opening polymerization of N-tosyl aziridines using functional and non-activated amine initiators. <i>European Polymer Journal</i> , 2017 , 95, 746-755	5.2	25
40	Tris(2,4,6-trimethoxyphenyl)phosphine (TTMPP) as Potent Organocatalyst for Group Transfer Polymerization of Alkyl (Meth)acrylates. <i>Macromolecules</i> , 2012 , 45, 7711-7718	5.5	25
39	Tailored drug-release from multi-functional polymer-peptide hybrid vesicles. <i>European Polymer Journal</i> , 2015 , 62, 363-373	5.2	23
38	Nickel-Catalyzed Coordination Polymerization-Induced Self-Assembly of Helical Poly(aryl isocyanide)s. <i>ACS Macro Letters</i> , 2020 , 9, 226-232	6.6	22
37	Azolium hydrogen carbonates and azolium carboxylates as organic pre-catalysts for N-heterocyclic carbene-catalysed group transfer and ring-opening polymerisations. <i>Polymer Chemistry</i> , 2013 , 4, 1995	4.9	22
36	Bouquet-type dendrimerlike poly(ethylene oxide)s with a focal aldehyde and peripheral hydroxyls. <i>Biomacromolecules</i> , 2007 , 8, 2374-8	6.9	22
35	C ₆₀ couplings in water by micellar catalysis at low loadings from a recyclable polymer-supported Pd(II)/NHC nanocatalyst. <i>Polymer Chemistry</i> , 2019 , 10, 460-466	4.9	21
34	From the N-Heterocyclic Carbene-Catalyzed Conjugate Addition of Alcohols to the Controlled Polymerization of (Meth)acrylates. <i>Chemistry - A European Journal</i> , 2015 , 21, 9447-53	4.8	21
33	MALDI-TOF Analysis of Dendrimer-like Poly(ethylene oxide)s. <i>Macromolecules</i> , 2005 , 38, 10609-10613	5.5	21
32	SAXS from Four-Arm Polyelectrolyte Stars in Semi-Dilute Solutions. <i>Macromolecular Chemistry and Physics</i> , 2003 , 204, 89-97	2.6	20
31	Bulk Organocatalytic Synthetic Access to Statistical Copolyesters from L-Lactide and ε-Caprolactone Using Benzoic Acid. <i>Biomacromolecules</i> , 2019 , 20, 1965-1974	6.9	19
30	Harnessing the Potential of N-Heterocyclic Carbenes for the Rejuvenation of Group-Transfer Polymerization of (Meth)Acrylics. <i>Angewandte Chemie</i> , 2008 , 120, 5470-5473	3.6	19
29	Alcohol- and Water-Tolerant Living Anionic Polymerization of Aziridines. <i>Macromolecules</i> , 2018 , 51, 5713-5719	5.5	18
28	Synthesis and thermal properties of side-chain liquid-crystalline poly(glycidyl ethers) with racemic and chiral backbone. <i>Macromolecular Chemistry and Physics</i> , 1995 , 196, 2941-2954	2.6	17
27	Pd(II)/NHC coordination-driven formation of water-soluble catalytically active single chain nanoparticles. <i>Polymer Chemistry</i> , 2018 , 9, 3199-3204	4.9	16
26	Partially Biosourced Poly(1,2,3-triazolium)-Based Diblock Copolymers Derived from Levulinic Acid. <i>Macromolecules</i> , 2018 , 51, 5820-5830	5.5	14
25	Synthesis and Characterization of Diaminodithio- and Aminotrithiophosphoric Acid Esters. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2007 , 182, 1233-1244	1	14
24	Benzophenone-functionalized, starlike polystyrenes as organic supports for a tridentate bis(imino)pyridinyliron/trimethylaluminum catalytic system for ethylene polymerization. <i>Journal of Polymer Science Part A</i> , 2006 , 44, 6997-7007	2.5	14

23	Benzoic Acid as an Efficient Organocatalyst for the Statistical Ring-Opening Copolymerization of ϵ -Caprolactone and L-Lactide: A Computational Investigation. <i>Macromolecules</i> , 2019 , 52, 9238-9247	5.5	13
22	Benzoic acid-organocatalyzed ring-opening (co)polymerization (ORO(c)P) of L-lactide and ϵ -caprolactone under solvent-free conditions: from simplicity to recyclability. <i>Green Chemistry</i> , 2018 , 20, 5385-5396	10	13
21	Direct one-pot synthesis of poly(ionic liquid) nanogels by cobalt-mediated radical cross-linking copolymerization in organic or aqueous media. <i>Polymer Chemistry</i> , 2016 , 7, 2521-2530	4.9	12
20	Reversible ionically-crosslinked single chain nanoparticles as bioinspired and recyclable nanoreactors for N-heterocyclic carbene organocatalysis. <i>Polymer Chemistry</i> , 2018 , 9, 5286-5294	4.9	12
19	Nanogels based on poly(vinyl acetate) for the preparation of patterned porous films. <i>Langmuir</i> , 2011 , 27, 4290-5	4	9
18	Stereoselective ROP of rac- and meso-Lactides Using Achiral TBD as Catalyst. <i>Catalysts</i> , 2020 , 10, 620	4	8
17	Facile synthesis of reversibly crosslinked poly(ionic liquid)-type gels: Recyclable supports for organocatalysis by N-heterocyclic carbenes. <i>European Polymer Journal</i> , 2018 , 107, 82-88	5.2	8
16	Direct Synthetic Strategies to Hydrophilic Starlike Polymers by MADIX. <i>ACS Symposium Series</i> , 2006 , 578-594	5.4	8
15	Catalytically Active N-Heterocyclic Carbene Release from Single-Chain Nanoparticles Following a Thermolysis-Driven Unfolding Strategy. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1900071	4.8	7
14	Extending the Scope of Benign and Thermally Stable Organocatalysts: Application of Dibenzoylmethane for the Bulk Copolymerization of L-Lactide and ϵ -Caprolactone. <i>Journal of Polymer Science Part A</i> , 2018 , 56, 475-479	2.5	7
13	Macromolecular Engineering by Controlled/Living Radical Polymerization	775-844	6
12	Poly(arylene vinylene) Synthesis via a Precursor Step-Growth Polymerization Route Involving the Ramberg-Bäcklund Reaction as a Key Post-Chemical Modification Step. <i>Macromolecules</i> , 2018 , 51, 5852-5862	5.5	5
11	Guidelines for Synthesizing Block Copolymers	9-38	5
10	Self-catalysed folding of single chain nanoparticles (SCNPs) by NHC-mediated intramolecular benzoin condensation. <i>Polymer Chemistry</i> , 2019 , 10, 2282-2289	4.9	3
9	From Stars to Microgels	2011, 1007-1056	3
8	Reaction of Cyclic Tetrathiophosphates with Carboxylic Acids as a Means to Generate Dithioesters and Control Radical Polymerization By RAFT. <i>Angewandte Chemie</i> , 2003 , 115, 2975-2978	3.6	3
7	Functional nanostructures by NiCCo-PISA of helical poly(aryl isocyanide) copolymers. <i>Polymer Chemistry</i> , 2021 , 12, 105-112	4.9	3
6	A chiral thiourea and a phosphazene for fast and stereoselective organocatalytic ring-opening-polymerization of racemic lactide. <i>Chemical Communications</i> , 2021 , 57, 3777-3780	5.8	3

5	Tuning the activity and selectivity of polymerised ionic liquid-stabilised ruthenium nanoparticles through anion exchange reactions.. <i>Nanoscale</i> , 2022 ,	7.7	2
4	Ester-Containing Imidazolium-Type Ionic Liquid Crystals Derived from Bio-based Fatty Alcohols. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 12687-12698	8.3	1
3	From Star-Like to Dendrimer-Like Polymers 2012 , 819-840		1
2	Direct and selective access to amino-poly(phenylene vinylenes)s with switchable properties by dimerizing polymerization of aminoaryl carbenes. <i>Nature Communications</i> , 2021 , 12, 4093	17.4	
1	N-Heterocyclic Carbenes for Organopolymerization: Metal-Free Polymer Synthesis 2019 , 309-344		