

Antoine Debuigne

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129
papers

4,567
citations

42
h-index

62
g-index

131
ext. papers

4,946
ext. citations

6.6
avg, IF

5.64
L-index

#	Paper	IF	Citations
129	Overview of cobalt-mediated radical polymerization: Roots, state of the art and future prospects. <i>Progress in Polymer Science</i> , 2009 , 34, 211-239	29.6	314
128	Highly efficient cobalt-mediated radical polymerization of vinyl acetate. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 1101-1104	16.4	227
127	Mechanistic insights into the cobalt-mediated radical polymerization (CMRP) of vinyl acetate with cobalt(III) adducts as initiators. <i>Chemistry - A European Journal</i> , 2008 , 14, 4046-59	4.8	165
126	Insight into Organometallic-Mediated Radical Polymerization. <i>Polymer Reviews</i> , 2011 , 51, 188-213	14	133
125	Amphiphilic Poly(vinyl acetate)-b-poly(N-vinylpyrrolidone) and Novel Double Hydrophilic Poly(vinyl alcohol)-b-poly(N-vinylpyrrolidone) Block Copolymers Prepared by Cobalt-Mediated Radical Polymerization. <i>Macromolecules</i> , 2007 , 40, 7111-7118	5.5	112
124	Synthesis of End-Functional Poly(vinyl acetate) by Cobalt-Mediated Radical Polymerization. <i>Macromolecules</i> , 2005 , 38, 5452-5458	5.5	110
123	Effective cobalt mediation of the radical polymerization of vinyl acetate in suspension. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 3439-42	16.4	109
122	Precision design of ethylene- and polar-monomer-based copolymers by organometallic-mediated radical polymerization. <i>Nature Chemistry</i> , 2014 , 6, 179-87	17.6	105
121	Poly(N-vinylcaprolactam): a thermoresponsive macromolecule with promising future in biomedical field. <i>Advanced Healthcare Materials</i> , 2014 , 3, 1941-68	10.1	103
120	Synthesis of Poly(vinyl acetate) and Poly(vinyl alcohol) Containing Block Copolymers by Combination of Cobalt-Mediated Radical Polymerization and ATRP. <i>Macromolecules</i> , 2005 , 38, 9488-9496	5.5	93
119	Cobalt-mediated radical polymerization of acrylonitrile: kinetics investigations and DFT calculations. <i>Chemistry - A European Journal</i> , 2008 , 14, 7623-37	4.8	91
118	Synthesis of Novel Well-Defined Poly(vinyl acetate)-b-poly(acrylonitrile) and Derivatized Water-Soluble Poly(vinyl alcohol)-b-poly(acrylic acid) Block Copolymers by Cobalt-Mediated Radical Polymerization. <i>Macromolecules</i> , 2008 , 41, 2353-2360	5.5	85
117	Synthesis of macrocyclic poly(epsilon-caprolactone) by intramolecular cross-linking of unsaturated end groups of chains precyclic by the initiation. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 2264-71	16.4	79
116	Input of supercritical carbon dioxide to polymer synthesis: An overview. <i>European Polymer Journal</i> , 2014 , 61, 45-63	5.2	75
115	Organocobalt Complexes as Sources of Carbon-Centered Radicals for Organic and Polymer Chemistries. <i>Chemical Reviews</i> , 2019 , 119, 6906-6955	68.1	74
114	Synthesis of thermo-responsive poly(N-vinylcaprolactam)-containing block copolymers by cobalt-mediated radical polymerization. <i>Journal of Polymer Science Part A</i> , 2012 , 50, 400-408	2.5	72
113	One-pot controlled synthesis of double thermoresponsive N-vinylcaprolactam-based copolymers with tunable LCSTs. <i>Polymer Chemistry</i> , 2013 , 4, 2575	4.9	67

112	Effect of Head-to-Head Addition in Vinyl Acetate Controlled Radical Polymerization: Why Is Co(acac) ₂ -Mediated Polymerization so Much Better?. <i>Macromolecules</i> , 2013 , 46, 4303-4312	5.5	65
111	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
110	Interpolymer radical coupling: A toolbox complementary to controlled radical polymerization. <i>Progress in Polymer Science</i> , 2012 , 37, 1004-1030	29.6	61
109	Isoprene-assisted radical coupling of (co)polymers prepared by cobalt-mediated radical polymerization. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 1422-4	16.4	57
108	Cobalt-Mediated Radical Polymerization (CMRP) of Vinyl Acetate Initiated by Redox Systems: Toward the Scale-Up of CMRP. <i>Macromolecules</i> , 2006 , 39, 8263-8268	5.5	54
107	Solving the Problem of Bis(acetylacetonato)cobalt(II)-Mediated Radical Polymerization (CMRP) of Acrylic Esters. <i>Macromolecules</i> , 2010 , 43, 886-894	5.5	52
106	Key role of intramolecular metal chelation and hydrogen bonding in the cobalt-mediated radical polymerization of N-vinyl amides. <i>Chemistry - A European Journal</i> , 2012 , 18, 12834-44	4.8	51
105	Effective Cobalt-Mediated Radical Coupling (CMRC) of Poly(vinyl acetate) and Poly(N-vinylpyrrolidone) (Co)polymer Precursors. <i>Macromolecules</i> , 2010 , 43, 2801-2813	5.5	51
104	Synthesis of poly(vinyl acetate)-b-polystyrene and poly(vinyl alcohol)-b-polystyrene copolymers by cobalt-mediated radical polymerization. <i>Journal of Polymer Science Part A</i> , 2007 , 45, 81-89	2.5	51
103	Organometallic-mediated radical polymerization of π - π activated monomers: Fundamentals, challenges and opportunities. <i>Polymer</i> , 2017 , 115, 285-307	3.9	50
102	Improved photo-induced cobalt-mediated radical polymerization in continuous flow photoreactors. <i>Polymer Chemistry</i> , 2015 , 6, 3847-3857	4.9	50
101	Organometallic-Mediated Radical Polymerization of Vinylidene Fluoride. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2934-2937	16.4	50
100	Glucose-, pH- and thermo-responsive nanogels crosslinked by functional superparamagnetic maghemite nanoparticles as innovative drug delivery systems. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 1009-1023	7.3	50
99	Synthetic and mechanistic inputs of photochemistry into the bis-acetylacetonatocobalt-mediated radical polymerization of n-butyl acrylate and vinyl acetate. <i>Polymer Chemistry</i> , 2012 , 3, 1856-1866	4.9	49
98	Cobalt-Mediated Radical Polymerization of Vinyl Acetate in Miniemulsion: Very Fast Formation of Stable Poly(vinyl acetate) Latexes at Low Temperature. <i>Macromolecular Rapid Communications</i> , 2006 , 27, 37-41	4.8	49
97	New functional poly(N-vinylpyrrolidone) based (co)polymers via photoinitiated cobalt-mediated radical polymerization. <i>Chemical Communications</i> , 2011 , 47, 12703-5	5.8	48
96	Cobalt-mediated radical coupling (CMRC): an unusual route to midchain-functionalized symmetrical macromolecules. <i>Chemistry - A European Journal</i> , 2010 , 16, 1799-811	4.8	47
95	Cobalt-mediated radical (co)polymerization of vinyl chloride and vinyl acetate. <i>Polymer Chemistry</i> , 2012 , 3, 2880	4.9	46

94	Key Role of Metal-Coordination in Cobalt-Mediated Radical Polymerization of Vinyl Acetate. <i>ACS Symposium Series</i> , 2009 , 131-147	0.4	46
93	Influence of the Macromolecular Surfactant Features and Reactivity on Morphology and Surface Properties of Emulsion-Templated Porous Polymers. <i>Macromolecules</i> , 2015 , 48, 6489-6498	5.5	45
92	Poly(vinyl ester 1,2,3-triazolium)s: a new member of the poly(ionic liquid)s family. <i>Chemical Communications</i> , 2015 , 51, 3332-5	5.8	45
91	Highly Efficient Cobalt-Mediated Radical Polymerization of Vinyl Acetate. <i>Angewandte Chemie</i> , 2005 , 117, 1125-1128	3.6	45
90	Antibacterial activity of poly(vinyl alcohol)-b-poly(acrylonitrile) based micelles loaded with silver nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2010 , 344, 424-8	9.3	43
89	Reversibly crosslinked thermo- and redox-responsive nanogels for controlled drug release. <i>Polymer Chemistry</i> , 2014 , 5, 77-88	4.9	42
88	Use of ionic liquids for biocatalytic synthesis of sugar derivatives. <i>Journal of Chemical Technology and Biotechnology</i> , 2012 , 87, 451-471	3.5	42
87	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
86	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
85	Synthesis of star and H-shape polymers via a combination of cobalt-mediated radical polymerization and nitrene-mediated radical coupling reactions. <i>Polymer Chemistry</i> , 2012 , 3, 135-147	4.9	39
84	Surface- and Redox-Active Multifunctional Polyphenol-Derived Poly(ionic liquid)s: Controlled Synthesis and Characterization. <i>Macromolecules</i> , 2016 , 49, 7676-7691	5.5	36
83	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
82	All Poly(ionic liquid)-Based Block Copolymers by Sequential Controlled Radical Copolymerization of Vinylimidazolium Monomers. <i>Macromolecules</i> , 2015 , 48, 5230-5243	5.5	33
81	Poly(acrylic acid)-block-poly(vinyl alcohol) anchored maghemite nanoparticles designed for multi-stimuli triggered drug release. <i>Nanoscale</i> , 2013 , 5, 11464-77	7.7	32
80	Macroporous poly(ionic liquid) and poly(acrylamide) monoliths from CO ₂ -in-water emulsion templates stabilized by sugar-based surfactants. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 8479	13	31
79	Preparation of Well-Defined PVOH/C60 Nanohybrids by Cobalt-Mediated Radical Polymerization of Vinyl Acetate. <i>Macromolecular Rapid Communications</i> , 2006 , 27, 498-504	4.8	31
78	Double thermoresponsive di- and triblock copolymers based on N-vinylcaprolactam and N-vinylpyrrolidone: synthesis and comparative study of solution behaviour. <i>Polymer Chemistry</i> , 2014 , 5, 6534-6544	4.9	30
77	Organometallic-Mediated Radical Polymerization: Unusual Route toward (Quasi-) Diblock Graft Copolymers Starting from a Mixture of Monomers of Opposed Reactivity. <i>Macromolecules</i> , 2011 , 44, 4623-4631	5.5	30

76	(Co)Polymerization of vinyl levulinate by cobalt-mediated radical polymerization and functionalization by ketoxime click chemistry. <i>Polymer Chemistry</i> , 2014 , 5, 2973-2979	4.9	29
75	Controlled Radical Polymerization of Styrene by Quinone Transfer Radical Polymerization (QTRP). <i>Macromolecules</i> , 2005 , 38, 27-32	5.5	27
74	Electrostatic hierarchical co-assembly in aqueous solutions of two oppositely charged double hydrophilic diblock copolymers. <i>European Polymer Journal</i> , 2009 , 45, 2913-2925	5.2	25
73	Synthesis of poly(vinyl acetate)-b-poly(vinyl chloride) block copolymers by Cobalt-Mediated Radical Polymerization (CMRP). <i>Polymer Chemistry</i> , 2013 , 4, 1685	4.9	24
72	Controlled Synthesis of Fluorinated Copolymers via Cobalt-Mediated Radical Copolymerization of Perfluorohexylethylene and Vinyl Acetate. <i>Macromolecules</i> , 2017 , 50, 3750-3760	5.5	22
71	Organometallic-Mediated Alternating Radical Copolymerization of tert-Butyl-2-Trifluoromethacrylate with Vinyl Acetate and Synthesis of Block Copolymers Thereof. <i>Macromolecular Rapid Communications</i> , 2017 , 38, 1700203	4.8	21
70	Straightforward Synthesis of Well-Defined Poly(vinylidene fluoride) and Its Block Copolymers by Cobalt-Mediated Radical Polymerization. <i>Macromolecules</i> , 2019 , 52, 1266-1276	5.5	21
69	Expanding the Scope of Controlled Radical Polymerization via Cobalt/Tellurium Radical Exchange Reaction. <i>ACS Macro Letters</i> , 2014 , 3, 114-118	6.6	21
68	Quinone transfer radical polymerization (QTRP) of styrene: Catalysis by different metal complexes. <i>Journal of Polymer Science Part A</i> , 2005 , 43, 2723-2733	2.5	21
67	Unique alternating peptide-peptoid copolymers from dipeptides via a Ugi reaction in water. <i>Chemical Communications</i> , 2017 , 53, 12240-12243	5.8	20
66	Ugi Three-Component Polymerization Toward Poly(α -amino amide)s. <i>ACS Macro Letters</i> , 2019 , 8, 427-434	6.6	20
65	Double thermo-responsive hydrogels from poly(vinylcaprolactam) containing diblock and triblock copolymers. <i>Polymer Chemistry</i> , 2015 , 6, 1856-1864	4.9	20
64	Synthesis of poly(vinyl alcohol)/C(60) and poly(N-vinylpyrrolidone)/C(60) nanohybrids as potential photodynamic cancer therapy agents. <i>Chemistry - an Asian Journal</i> , 2010 , 5, 859-68	4.5	20
63	Supported cobalt mediated radical polymerization (SCMRP) of vinyl acetate and recycling of the cobalt complex. <i>Chemical Communications</i> , 2006 , 4180-2	5.8	20
62	Thermo-responsive gold/poly(vinyl alcohol)-b-poly(N-vinylcaprolactam) core/shell nanoparticles as a drug delivery system. <i>Polymer Chemistry</i> , 2014 , 5, 5289-5299	4.9	19
61	Stable Free Radical Polymerization of Acrylates Promoted by α -Hydroxycarbonyl Compounds. <i>Macromolecules</i> , 2006 , 39, 5359-5363	5.5	19
60	Locating carbon nanotubes (CNTs) at the surface of polymer microspheres using poly(vinyl alcohol) grafted CNTs as dispersion co-stabilizers. <i>Chemical Communications</i> , 2010 , 46, 3330-2	5.8	18
59	Joining Efforts of Nitroxide-Mediated Polymerization (NMP) and Cobalt-Mediated Radical Polymerization (CMRP) for the Preparation of Novel ABC Triblock Copolymers. <i>Macromolecules</i> , 2009 , 42, 8604-8607	5.5	18

58	Simultaneous synthesis and chemical functionalization of emulsion-templated porous polymers using nitroxide-terminated macromolecular surfactants. <i>Polymer Chemistry</i> , 2017 , 8, 1850-1861	4.9	17
57	Synthesis and Evaluation of Sterically Hindered 1,1-Diadamantyl Nitroxide as a Low-Temperature Mediator for the Stable Free Radical Polymerization Process. <i>Macromolecules</i> , 2007 , 40, 6224-6232	5.5	17
56	Macro- and near-mesoporous monoliths by medium internal phase emulsion polymerization: A systematic study. <i>Polymer</i> , 2016 , 99, 157-165	3.9	17
55	Controlled Synthesis of Poly(vinylamine)-Based Copolymers by Organometallic-Mediated Radical Polymerization. <i>Macromolecules</i> , 2016 , 49, 4817-4827	5.5	17
54	Use of Primary and Secondary Polyvinylamines for Efficient Gene Transfection. <i>Biomacromolecules</i> , 2017 , 18, 440-451	6.9	16
53	Controlled Synthesis of Ethylene-Vinyl Acetate Based Copolymers by Organometallic Mediated Radical Polymerization. <i>ACS Symposium Series</i> , 2015 , 47-61	0.4	16
52	Organometallic-Mediated Radical Polymerization of Vinylidene Fluoride. <i>Angewandte Chemie</i> , 2018 , 130, 2984-2987	3.6	16
51	Functional Polyethylene (PE) and PE-Based Block Copolymers by Organometallic-Mediated Radical Polymerization. <i>Macromolecules</i> , 2019 , 52, 9053-9063	5.5	16
50	Effective Cobalt Mediation of the Radical Polymerization of Vinyl Acetate in Suspension. <i>Angewandte Chemie</i> , 2005 , 117, 3505-3508	3.6	16
49	Far beyond primary poly(vinylamine)s through free radical copolymerization and amide hydrolysis. <i>Polymer Chemistry</i> , 2016 , 7, 69-78	4.9	15
48	Cobalt-Mediated Radical Polymerization of Vinyl Acetate and Acrylonitrile in Supercritical Carbon Dioxide. <i>Macromolecular Rapid Communications</i> , 2016 , 37, 539-44	4.8	15
47	Design of mesoporous carbon fibers from a poly(acrylonitrile) based block copolymer by a simple templating compression moulding process. <i>Polymer</i> , 2010 , 51, 2965-2971	3.9	15
46	Stimuli-responsive behavior of micelles prepared from a poly(vinyl alcohol)-block-poly(acrylic acid)-block-poly(4-vinylpyridine) triblock terpolymer. <i>European Polymer Journal</i> , 2015 , 62, 418-425	5.2	14
45	Merging CO ₂ -Based Building Blocks with Cobalt-Mediated Radical Polymerization for the Synthesis of Functional Poly(vinyl alcohol)s. <i>Macromolecules</i> , 2018 , 51, 3379-3393	5.5	14
44	Macroporous poly(ionic liquid)/ionic liquid gels via CO ₂ -based emulsion-templating polymerization. <i>Polymer Chemistry</i> , 2018 , 9, 428-437	4.9	14
43	Synthesis of microsphere-loaded porous polymers by combining emulsion and dispersion polymerisations in supercritical carbon dioxide. <i>Chemical Communications</i> , 2012 , 48, 8356-8	5.8	14
42	Multicomponent Radziszewski Emulsion Polymerization toward Macroporous Poly(ionic liquid) Catalysts. <i>ACS Macro Letters</i> , 2020 , 9, 134-139	6.6	14
41	Core cross-linked micelles of polyphosphoester containing amphiphilic block copolymers as drug nanocarriers. <i>RSC Advances</i> , 2016 , 6, 42081-42088	3.7	14

40	Ethylene/vinyl acetate-based macrocycles via organometallic-mediated radical polymerization and CuAAC click reaction. <i>Polymer Chemistry</i> , 2018 , 9, 273-278	4.9	14
39	Halomethyl-cobalt(bis-acetylacetonate) for the controlled synthesis of functional polymers. <i>Chemical Communications</i> , 2015 , 51, 14334-7	5.8	13
38	In situ bidentate to tetradentate ligand exchange reaction in cobalt-mediated radical polymerization. <i>European Polymer Journal</i> , 2015 , 62, 312-321	5.2	13
37	Protein encapsulation and release from PEO-b-polyphosphoester templated calcium carbonate particles. <i>International Journal of Pharmaceutics</i> , 2016 , 513, 130-137	6.5	13
36	Monocatenary, branched, double-headed, and bolaform surface active carbohydrate esters via photochemical thiol-ene/yne reactions. <i>Carbohydrate Research</i> , 2013 , 380, 29-36	2.9	13
35	Bis(formylphenolato)cobalt(II)-Mediated Alternating Radical Copolymerization of tert-Butyl 2-Trifluoromethylacrylate with Vinyl Acetate. <i>Polymers</i> , 2017 , 9,	4.5	13
34	Small-angle X-ray scattering insights into the architecture-dependent emulsifying properties of amphiphilic copolymers in supercritical carbon dioxide. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 1706-1714	3.4	13
33	Enzymatic synthesis and surface active properties of novel hemifluorinated mannose esters. <i>Carbohydrate Research</i> , 2011 , 346, 1161-4	2.9	13
32	Quinone Transfer Radical Polymerization of Styrene Catalyzed by Metal Complexes in the Presence of Various o-Quinones. <i>Macromolecules</i> , 2005 , 38, 6310-6315	5.5	13
31	Lipase catalysis and thiol-Michael addition: a relevant association for the synthesis of new surface-active carbohydrate esters. <i>Carbohydrate Research</i> , 2011 , 346, 2121-5	2.9	12
30	Synthesis of Macrocyclic Poly(ϵ -caprolactone) by Intramolecular Cross-Linking of Unsaturated End Groups of Chains Precyclic by the Initiation. <i>Angewandte Chemie</i> , 2006 , 118, 2322-2325	3.6	12
29	Straightforward Synthesis of Symmetrical Multiblock Copolymers by Simultaneous Block Extension and Radical Coupling Reactions. <i>Macromolecules</i> , 2013 , 46, 8922-8931	5.5	10
28	Electrophile induced rearrangement of 1-alkynylaluminium ate complexes. <i>Tetrahedron Letters</i> , 1999 , 40, 5943-5944	2	9
27	Study of the Influence of Pure Ionic Liquids on the Lipase-catalyzed (Trans)esterification of Mannose Based on their Anion and Cation Nature. <i>Current Organic Chemistry</i> , 2013 , 17, 763-770	1.7	9
26	Quinone transfer radical polymerization of styrene: Synthesis of the actual initiator. <i>Journal of Polymer Science Part A</i> , 2006 , 44, 1233-1244	2.5	8
25	Enhanced Stabilization of Water/scCO ₂ Interface by Block-Like Spontaneous Gradient Copolymers. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 9645-9650	8.3	6
24	Organometallic-Mediated Radical (Co)polymerization of ϵ -Methylene- ϵ -Butyrolactone: Access to pH-Responsive Poly(vinyl alcohol) Derivatives. <i>Macromolecules</i> , 2019 , 52, 8976-8988	5.5	6
23	Gold-loaded carbon nanoparticles from poly(vinyl alcohol)-b-poly(acrylonitrile) non-shell-cross-linked micelles. <i>Chemistry - an Asian Journal</i> , 2009 , 4, 1338-45	4.5	6

22	Cobalt-Mediated Radical Polymerization of Vinyl Acetate: A New Tool for Macromolecular Engineering. <i>ACS Symposium Series</i> , 2006 , 372-386	0.4	6
21	Isoprene-Assisted Radical Coupling of (Co)polymers Prepared by Cobalt-Mediated Radical Polymerization. <i>Angewandte Chemie</i> , 2009 , 121, 1450-1452	3.6	5
20	Imidazolium-catalyzed dynamic ester cross-links towards reprocessable epoxy vitrimers. <i>European Polymer Journal</i> , 2021 , 147, 110296	5.2	5
19	Ugi four-component polymerization of amino acid derivatives: a combinatorial tool for the design of polypeptoids. <i>Polymer Chemistry</i> , 2021 , 12, 2141-2151	4.9	5
18	Precision design of vinyl amine and vinyl alcohol-based copolymers via cobalt-mediated radical polymerization. <i>Polymer Chemistry</i> , 2019 , 10, 3055-3065	4.9	4
17	Elaboration of drug nanocarriers based on a glucosamine labeled amphiphilic polymer. <i>Polymer Chemistry</i> , 2014 , 5, 3030-3037	4.9	4
16	Photochemical properties and activity of water-soluble polymer/c(60) nanohybrids for photodynamic therapy. <i>Macromolecular Bioscience</i> , 2013 , 13, 106-115	5.5	4
15	Surface activity of a fluorinated carbohydrate ester in water/carbon dioxide emulsions. <i>Journal of Colloid and Interface Science</i> , 2013 , 398, 273-5	9.3	4
14	Stable free radical polymerization of n-butyl acrylate in the presence of high-temperature initiators. <i>European Polymer Journal</i> , 2009 , 45, 211-216	5.2	4
13	Functional Polyethylenes by Organometallic-Mediated Radical Polymerization of Biobased Carbonates.. <i>ACS Macro Letters</i> , 2021 , 10, 313-320	6.6	4
12	Poly(N-methylvinylamine)-Based Copolymers for Improved Gene Transfection. <i>Macromolecular Bioscience</i> , 2018 , 18, e1700353	5.5	3
11	Radical Coupling of Polymers Formed by Cobalt-Mediated Radical Polymerization. <i>ACS Symposium Series</i> , 2012 , 217-230	0.4	3
10	Reversible deactivation radical (co)polymerization of dimethyl methylene oxazolidinone towards responsive vicinal aminoalcohol-containing copolymers. <i>Polymer Chemistry</i> , 2020 , 11, 7207-7220	4.9	3
9	Carbon-coated porous TiO ₂ layers templated by core-shell polymer particles: Film processing and charge transfer resistance assessment. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 606, 125390	5.1	3
8	Tailor-Made Poly(vinylamine)s via Thermal or Photochemical Organometallic Mediated Radical Polymerization. <i>ACS Symposium Series</i> , 2018 , 349-363	0.4	3
7	pH-Responsive Lipid Nanocapsules: A Promising Strategy for Improved Resistant Melanoma Cell Internalization. <i>Cancers</i> , 2021 , 13,	6.6	2
6	An environmentally benign post-polymerization functionalization strategy towards unprecedented poly(vinylamine) polyHIPEs. <i>Polymer Chemistry</i> , 2021 , 12, 1155-1164	4.9	2
5	Mechanistic investigation and selectivity of the grafting onto C60 of macroradicals prepared by cobalt-mediated radical polymerization. <i>Polymer</i> , 2012 , 53, 4353-4358	3.9	1

4	CO ₂ -Derived Methylene Oxazolidinone: A Platform Building Block for Functionalizing Ethylene/Vinyl Alcohol Copolymers. <i>Macromolecules</i> , 2021 , 54, 10415-10427	5.5	1
3	Imine-based multicomponent polymerization: Concepts, structural diversity and applications. <i>Progress in Polymer Science</i> , 2022 , 128, 101528	29.6	0
2	Bifunctional Imidazolium/Amine Polymer Foams: One-pot Synthesis and Synergistic Promotion of CO ₂ Sorption. <i>Chemical Engineering Journal</i> , 2022 , 137012	14.7	0
1	Cobalt-Mediated Radical Polymerization 2012 , 67-80		