

# Stefan Mecking

## List of Publications by Year in descending order

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285  
papers

17,673  
citations

15504

65  
h-index

18647

119  
g-index

319  
all docs

319  
docs citations

319  
times ranked

9507  
citing authors

#	ARTICLE	IF	CITATIONS
1	Copolymerization of Ethylene and Propylene with Functionalized Vinyl Monomers by Palladium(II) Catalysts. <i>Journal of the American Chemical Society</i> , 1996, 118, 267-268.	13.7	1,270
2	Mechanistic Studies of the Palladium-Catalyzed Copolymerization of Ethylene and $\alpha$ -Olefins with Methyl Acrylate. <i>Journal of the American Chemical Society</i> , 1998, 120, 888-899.	13.7	924
3	Nanoparticles of Conjugated Polymers. <i>Chemical Reviews</i> , 2010, 110, 6260-6279.	47.7	655
4	Nature or Petrochemistry? "Biologically Degradable Materials. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1078-1085.	13.8	531
5	<i>ortho</i> -Phosphinobenzenesulfonate: A Superb Ligand for Palladium-Catalyzed Coordination-Insertion Copolymerization of Polar Vinyl Monomers. <i>Accounts of Chemical Research</i> , 2013, 46, 1438-1449.	15.6	471
6	Post-Metallocenes in the Industrial Production of Polyolefins. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9722-9744.	13.8	418
7	Olefin Polymerization by Late Transition Metal Complexes-A Root of Ziegler Catalysts Gains New Ground. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 534-540.	13.8	408
8	Closed-loop recycling of polyethylene-like materials. <i>Nature</i> , 2021, 590, 423-427.	27.8	344
9	Hybrids of silver nanoparticles with amphiphilic hyperbranched macromolecules exhibiting antimicrobial properties. <i>Chemical Communications</i> , 2002, , 3018-3019.	4.1	329
10	Cationic nickel and palladium complexes with bidentate ligands for the C-C linkage of olefins. <i>Coordination Chemistry Reviews</i> , 2000, 203, 325-351.	18.8	320
11	Insertion Polymerization of Acrylate. <i>Journal of the American Chemical Society</i> , 2009, 131, 422-423.	13.7	261
12	Long-Chain Aliphatic Polymers To Bridge the Gap between Semicrystalline Polyolefins and Traditional Polycondensates. <i>Chemical Reviews</i> , 2016, 116, 4597-4641.	47.7	244
13	Coordination Copolymerization of Polar Vinyl Monomers $H_2C=Ci\frac{3}{4}CHX$ . <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2538-2542.	13.8	192
14	Linear Semicrystalline Polyesters from Fatty Acids by Complete Feedstock Molecule Utilization. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4306-4308.	13.8	185
15	Refining of Plant Oils to Chemicals by Olefin Metathesis. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5802-5808.	13.8	185
16	Fluorescent Conjugated Polymer Nanoparticles by Polymerization in Miniemulsion. <i>Journal of the American Chemical Society</i> , 2009, 131, 14267-14273.	13.7	179
17	Aqueous Catalytic Polymerization of Olefins. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 544-561.	13.8	178
18	Long-Chain Linear $C_{19}$ and $C_{23}$ Monomers and Polycondensates from Unsaturated Fatty Acid Esters. <i>Macromolecules</i> , 2011, 44, 4159-4166.	4.8	178

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19	Aqueous Homo- and Copolymerization of Ethylene by Neutral Nickel(II) Complexes. <i>Macromolecules</i> , 2001, 34, 1165-1171.	4.8	177
20	Remote Substituents Controlling Catalytic Polymerization by Very Active and Robust Neutral Nickel(II) Complexes. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 869-873.	13.8	159
21	Mechanistic Features of Isomerizing Alkoxy carbonylation of Methyl Oleate. <i>Journal of the American Chemical Society</i> , 2012, 134, 17696-17703.	13.7	137
22	Direct Synthesis of Ethylene $\alpha$ -Acrylic Acid Copolymers by Insertion Polymerization. <i>Journal of the American Chemical Society</i> , 2010, 132, 17690-17691.	13.7	129
23	Monofunctional Hyperbranched Ethylene Oligomers. <i>Journal of the American Chemical Society</i> , 2014, 136, 2078-2085.	13.7	129
24	Ultrahigh Branching of Main $\alpha$ -Chain $\alpha$ -Functionalized Polyethylenes by Inverted Insertion Selectivity. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14296-14302.	13.8	122
25	Coordination polymerization of ethylene in water by Pd(ii) and Ni(ii) catalysts. <i>Chemical Communications</i> , 2000, , 301-302.	4.1	120
26	High Molecular Mass Polyethylene Aqueous Latexes by Catalytic Polymerization. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 3020-3022.	13.8	116
27	A Comprehensive Mechanistic Picture of the Isomerizing Alkoxy carbonylation of Plant Oils. <i>Journal of the American Chemical Society</i> , 2014, 136, 16871-16881.	13.7	114
28	Water-Soluble Salicylaldiminato Ni(II) $\alpha$ -Methyl Complexes: $\alpha$ Enhanced Dissociative Activation for Ethylene Polymerization with Unprecedented Nanoparticle Formation. <i>Journal of the American Chemical Society</i> , 2006, 128, 7708-7709.	13.7	111
29	Single Lamella Nanoparticles of Polyethylene. <i>Nano Letters</i> , 2007, 7, 2024-2029.	9.1	111
30	Preparation of Catalytically Active Palladium Nanoclusters in Compartments of Amphiphilic Hyperbranched Polyglycerols. <i>Macromolecules</i> , 2000, 33, 3958-3960.	4.8	102
31	Polyethylene materials with in-chain ketones from nonalternating catalytic copolymerization. <i>Science</i> , 2021, 374, 604-607.	12.6	102
32	Mechanistic Insights on Acrylate Insertion Polymerization. <i>Journal of the American Chemical Society</i> , 2010, 132, 4418-4426.	13.7	101
33	Suppression of Chain Transfer in Catalytic Acrylate Polymerization via Rapid and Selective Secondary Insertion. <i>Journal of the American Chemical Society</i> , 2015, 137, 2836-2839.	13.7	98
34	Substituent Effects in ( $\alpha$ -N,O)-Salicylaldiminato Nickel(II) $\alpha$ -Methyl Pyridine Polymerization Catalysts: $\alpha$ Terphenyls Controlling Polyethylene Microstructures. <i>Organometallics</i> , 2007, 26, 2348-2362.	2.3	97
35	Polymer precursors from catalytic reactions of natural oils. <i>Green Chemistry</i> , 2012, 14, 472-477.	9.0	97
36	Controlled Polymerization in Polar Solvents to Ultrahigh Molecular Weight Polyethylene. <i>Journal of the American Chemical Society</i> , 2018, 140, 6685-6689.	13.7	97

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37	Cationic Palladium $\eta^3$ -Allyl Complexes with Hemilabile P,O-Ligands: Synthesis and Reactivity. Insertion of Ethylene into the Pd $\eta^3$ -Allyl Function. <i>Organometallics</i> , 1996, 15, 2650-2656.	2.3	96
38	Deactivation Pathways of Neutral Ni(II) Polymerization Catalysts. <i>Journal of the American Chemical Society</i> , 2009, 131, 1565-1574.	13.7	96
39	Tailor-Made Conjugated Polymer Nanoparticles for Multicolor and Multiphoton Cell Imaging. <i>Biomacromolecules</i> , 2010, 11, 2776-2780.	5.4	93
40	Extremely Narrow-Dispersed High Molecular Weight Polyethylene from Living Polymerization at Elevated Temperatures with <i>o</i> -F Substituted Ti Enolatoimines. <i>Journal of the American Chemical Society</i> , 2008, 130, 13204-13205.	13.7	91
41	A 3-dimensional human embryonic stem cell (hESC)-derived model to detect developmental neurotoxicity of nanoparticles. <i>Archives of Toxicology</i> , 2013, 87, 721-733.	4.2	90
42	Heterogeneous Diffusion in Thin Polymer Films As Observed by High-Temperature Single-Molecule Fluorescence Microscopy. <i>Journal of the American Chemical Society</i> , 2012, 134, 480-488.	13.7	89
43	Electronic Influences in Phosphinesulfonato Palladium(II) Polymerization Catalysts. <i>Organometallics</i> , 2013, 32, 4516-4522.	2.3	87
44	Aliphatic Long-Chain C <sub>20</sub> Polyesters from Olefin Metathesis. <i>Macromolecular Rapid Communications</i> , 2011, 32, 1352-1356.	3.9	84
45	Incorporation of Vinyl Chloride in Insertion Polymerization. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3963-3966.	13.8	83
46	Synthetic Polyester from Algae Oil. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6800-6804.	13.8	82
47	Shape-Selective Synthesis of Palladium Nanoparticles Stabilized by Highly Branched Amphiphilic Polymers. <i>Advanced Functional Materials</i> , 2004, 14, 999-1004.	14.9	81
48	Long-chain aliphatic polyesters from plant oils for injection molding, film extrusion and electrospinning. <i>Green Chemistry</i> , 2014, 16, 2008.	9.0	81
49	Control of Chain Walking by Weak Neighboring Group Interactions in Unsymmetrical Catalysts. <i>Journal of the American Chemical Society</i> , 2018, 140, 1305-1312.	13.7	80
50	Long-Spaced Aliphatic Polyesters. <i>Macromolecules</i> , 2013, 46, 7213-7218.	4.8	79
51	Mechanistic Insights on the Copolymerization of Polar Vinyl Monomers with Neutral Ni(II) Catalysts. <i>Journal of the American Chemical Society</i> , 2009, 131, 12613-12622.	13.7	78
52	Hemilabile P,O-ligands in palladium catalysed C=C linkages: codimerization of ethylene and styrene and cooligomerization of ethylene and carbon monoxide. <i>Journal of the Chemical Society Chemical Communications</i> , 1993, .	2.0	77
53	Breaking the regioselectivity rule for acrylate insertion in the Mizoroki-Heck reaction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 8955-8959.	7.1	77
54	Mechanistic Insights into Polar Monomer Insertion Polymerization from Acrylamides. <i>Journal of the American Chemical Society</i> , 2012, 134, 1010-1018.	13.7	76

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55	Coordination Polymerization in Water Affording Amorphous Polyethylenes. <i>Chemistry - A European Journal</i> , 2000, 6, 4623-4629.	3.3	75
56	Reactivity of Methacrylates in Insertion Polymerization. <i>Journal of the American Chemical Society</i> , 2010, 132, 16623-16630.	13.7	75
57	Insertion Homo- and Copolymerization of Diallyl Ether. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15845-15849.	13.8	74
58	Catalytic Isomerizing $\alpha$ -Functionalization of Fatty Acids. <i>ACS Catalysis</i> , 2015, 5, 5951-5972.	11.2	74
59	Nanoparticles from Step-Growth Coordination Polymerization. <i>Macromolecules</i> , 2007, 40, 7733-7735.	4.8	73
60	Pentafluorosulfanyl Substituents in Polymerization Catalysis. <i>Journal of the American Chemical Society</i> , 2017, 139, 13786-13790.	13.7	73
61	Silica/Polyethylene Nanocomposite Particles from Catalytic Emulsion Polymerization. <i>Macromolecules</i> , 2006, 39, 2056-2062.	4.8	72
62	Gyroid and Other Ordered Morphologies in Single-Ion Conducting Polymers and Their Impact on Ion Conductivity. <i>Journal of the American Chemical Society</i> , 2020, 142, 857-866.	13.7	72
63	Ideal Polyethylene Nanocrystals. <i>Journal of the American Chemical Society</i> , 2013, 135, 11645-11650.	13.7	71
64	Neutral Nickel(II) Catalysts: From Hyperbranched Oligomers to Nanocrystal-Based Materials. <i>Accounts of Chemical Research</i> , 2020, 53, 2738-2752.	15.6	70
65	Submicron Polyethylene Particles from Catalytic Emulsion Polymerization. <i>Journal of the American Chemical Society</i> , 2003, 125, 8838-8840.	13.7	67
66	Hyperbranched Polymers: Structure of Hyperbranched Polyglycerol and Amphiphilic Poly(glycerol) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 50	4.8	67
67	Enhanced Brightness Emission-Tuned Nanoparticles from Heterodifunctional Polyfluorene Building Blocks. <i>Journal of the American Chemical Society</i> , 2013, 135, 1148-1154.	13.7	67
68	Copolymerization of Ethylene with 1-Butene and Norbornene to Higher Molecular Weight Copolymers in Aqueous Emulsion. <i>Macromolecules</i> , 2006, 39, 5995-6002.	4.8	66
69	Highly Active Binuclear Neutral Nickel(II) Catalysts Affording High Molecular Weight Polyethylene. <i>Organometallics</i> , 2008, 27, 1399-1408.	2.3	66
70	Catalysis with Soluble Hybrids of Highly Branched Macromolecules with Palladium Nanoparticles in a Continuously Operated Membrane Reactor. <i>Advanced Synthesis and Catalysis</i> , 2003, 345, 333-336.	4.3	65
71	Direct Synthesis of Telechelic Polyethylene by Selective Insertion Polymerization. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14378-14383.	13.8	64
72	Synthesis, characterisation and catalytic activity of Pd(II) and Ni(II) complexes with new cyclic $\beta$ -diphenylphosphino-ketoimines. Crystal structure of 2,6-diisopropyl-N-(2-diphenylphosphino-cyclopentylidene)aniline and of 2,6-diisopropyl-N-(2-diphenylphosphino-cyclohexylidene)aniline. <i>Journal of Organometallic Chemistry</i> , 2002, 662, 150-171.	1.8	63

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73	Catalytic Copolymerization of Ethylene with Vinyl Sulfones. <i>Macromolecules</i> , 2010, 43, 3589-3590.	4.8	63
74	Uniform shape monodisperse single chain nanocrystals by living aqueous catalytic polymerization. <i>Nature Communications</i> , 2019, 10, 2592.	12.8	63
75	Control of molecular weight in Ni(II)-catalyzed polymerization via the reaction medium. <i>Chemical Communications</i> , 2008, , 4965.	4.1	62
76	Activation and Deactivation of Neutral Palladium(II) Phosphinesulfonato Polymerization Catalysts. <i>Organometallics</i> , 2012, 31, 8388-8406.	2.3	61
77	Which Polyesters Can Mimic Polyethylene?. <i>Macromolecular Rapid Communications</i> , 2013, 34, 47-50.	3.9	60
78	Concepts for Stereoselective Acrylate Insertion. <i>Journal of the American Chemical Society</i> , 2013, 135, 1026-1036.	13.7	59
79	A General Route to Very Small Polymer Particles with Controlled Microstructures. <i>Journal of the American Chemical Society</i> , 2005, 127, 14568-14569.	13.7	58
80	Polymer dispersions from catalytic polymerization in aqueous systems. <i>Colloid and Polymer Science</i> , 2007, 285, 605-619.	2.1	56
81	Role of Electron-Withdrawing Remote Substituents in Neutral Nickel(II) Polymerization Catalysts. <i>Organometallics</i> , 2013, 32, 5239-5242.	2.3	56
82	Controlled, Copper-Catalyzed Functionalization of Polyolefins. <i>Macromolecules</i> , 2005, 38, 4966-4969.	4.8	55
83	Reactor blending with early/late transition metal catalyst combinations in ethylene polymerization. <i>Macromolecular Rapid Communications</i> , 1999, 20, 139-143.	3.9	54
84	Pyrazolate-Based Dinuclear $\eta^2$ -Diimine-Type Palladium(II) and Nickel(II) Complexes – a Bimetallic Approach in Olefin Polymerisation. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 887-897.	4.3	54
85	Physical properties and hydrolytic degradability of polyethylene-like polyacetals and polycarbonates. <i>Green Chemistry</i> , 2014, 16, 1816.	9.0	54
86	Catalytic Polymerization of Ethylene in Aqueous Emulsion with a Simple in Situ Catalyst. <i>Macromolecules</i> , 2003, 36, 6711-6715.	4.8	53
87	Synergetic Effect of Monomer Functional Group Coordination in Catalytic Insertion Polymerization. <i>Journal of the American Chemical Society</i> , 2017, 139, 6823-6826.	13.7	52
88	Production of chemicals from microalgae lipids – status and perspectives. <i>European Journal of Lipid Science and Technology</i> , 2018, 120, 1700152.	1.5	52
89	Single-Step Access to Long-Chain $\omega$ -Dicarboxylic Acids by Isomerizing Hydroxycarbonylation of Unsaturated Fatty Acids. <i>ACS Catalysis</i> , 2016, 6, 8229-8238.	11.2	51
90	Efficient Suppression of Chain Transfer and Branching via $\sigma$ -Type Shielding in a Neutral Nickel(II) Catalyst. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4018-4022.	13.8	51

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91	Aqueous Dispersions of Extraordinarily Small Polyethylene Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 429-432.	13.8	50
92	Saturated Polar-Substituted Polyethylene Elastomers from Insertion Polymerization. <i>Advanced Functional Materials</i> , 2014, 24, 387-395.	14.9	50
93	Noncovalent Interactions in Fluorinated Post-titanocene Living Ethylene Polymerization Catalyst. <i>Organometallics</i> , 2010, 29, 4428-4430.	2.3	49
94	Functionalization of Polymer Nanoparticles by Thiol-Ene Addition. <i>Macromolecules</i> , 2010, 43, 8071-8078.	4.8	49
95	Nonlinear Photoluminescence Spectrum of Single Gold Nanostructures. <i>ACS Nano</i> , 2015, 9, 894-900.	14.6	49
96	Palladium Catalyzed Alternating Copolymerization of Ethylene and Carbon Monoxide to Unsaturated Ketones. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1995, 50, 430-438.	0.7	48
97	Core-Shell-Structured Highly Branched Poly(ethyleneimine amide)s: Synthesis and Structure. <i>Macromolecules</i> , 2005, 38, 5914-5920.	4.8	48
98	General Approach for the Synthesis of Organic-Inorganic Hybrid Nanoparticles Mediated by Supercritical CO <sub>2</sub> . <i>Journal of the American Chemical Society</i> , 2007, 129, 10602-10606.	13.7	48
99	Role of Radical Species in Salicylaldiminato Ni(II) Mediated Polymer Chain Growth: A Case Study for the Migratory Insertion Polymerization of Ethylene in the Presence of Methyl Methacrylate. <i>Journal of the American Chemical Society</i> , 2015, 137, 14819-14828.	13.7	46
100	Solution Structure of Metal Particles Prepared in Unimolecular Reactors of Amphiphilic Hyperbranched Macromolecules. <i>Macromolecules</i> , 2004, 37, 7893-7900.	4.8	45
101	Synthesis of Aqueous Polyethylene Dispersions with Electron-Deficient Neutral Nickel(II) Catalysts with Enolatoimine Ligands. <i>Macromolecules</i> , 2007, 40, 421-428.	4.8	44
102	Polyterpenes by ring opening metathesis polymerization of caryophyllene and humulene. <i>Green Chemistry</i> , 2013, 15, 1112.	9.0	44
103	Reactivity of Functionalized Vinyl Monomers in Insertion Copolymerization. <i>Macromolecules</i> , 2016, 49, 1172-1179.	4.8	44
104	Nickel(II)-Methyl Complexes with Water-Soluble Ligands L [(salicylaldiminato- $\eta^2$ N,O)NiMe(L)] and Their Catalytic Properties in Disperse Aqueous Systems. <i>Organometallics</i> , 2007, 26, 1311-1316.	2.3	43
105	Polymer Microstructure Control in Catalytic Polymerization Exclusively by Electronic Effects of Remote Substituents. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 2307-2316.	4.3	43
106	Catalyst Activity and Selectivity in the Isomerising Alkoxy-carbonylation of Methyl Oleate. <i>Chemistry - A European Journal</i> , 2013, 19, 17131-17140.	3.3	42
107	Ethylene Polymerization by Novel, Easily Accessible Catalysts Based on Nickel(II) Diazene Complexes. <i>Macromolecules</i> , 2002, 35, 6071-6073.	4.8	41
108	Long-Chain Polyacetals From Plant Oils. <i>Macromolecular Rapid Communications</i> , 2012, 33, 1126-1129.	3.9	41

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109	Immobilization of a Catalytically Active Rhodium Complex by Electrostatic Interactions of Multiply Charged Phosphine Ligands with a Soluble Polyelectrolyte and Recovery by Ultrafiltration. <i>Organometallics</i> , 2001, 20, 5504-5506.	2.3	40
110	Aqueous Dispersions of Polypropylene and Poly(1-butene) with Variable Microstructures Formed with Neutral Nickel(II) Complexes. <i>Macromolecules</i> , 2006, 39, 5963-5964.	4.8	40
111	Stereoselective Copolymerization of Butadiene and Functionalized 1,3-Dienes. <i>ACS Macro Letters</i> , 2016, 5, 777-780.	4.8	40
112	Diamines for Polymer Materials via Direct Amination of Lipid- and Lignocellulose-based Alcohols with $\text{NH}_3$ . <i>ChemCatChem</i> , 2018, 10, 3027-3033.	3.7	40
113	Annealing of Single Lamella Nanoparticles of Polyethylene. <i>Macromolecules</i> , 2011, 44, 4845-4851.	4.8	39
114	The Origin of Living Polymerization with an $\alpha$ -Fluorinated Catalyst: NMR Spectroscopic Characterization of Chain-Carrying Species. <i>Chemistry - A European Journal</i> , 2012, 18, 848-856.	3.3	39
115	Solid-Supported Single-Component Pd(II) Catalysts for Polar Monomer Insertion Copolymerization. <i>ACS Catalysis</i> , 2014, 4, 2672-2679.	11.2	39
116	Chain Multiplication of Fatty Acids to Precise Telechelic Polyethylene. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7589-7594.	13.8	39
117	Aqueous Polyketone Latices Prepared with Water-Insoluble Palladium(II) Catalysts. <i>Macromolecules</i> , 2002, 35, 3342-3347.	4.8	38
118	1,2-Polybutadiene Latices by Catalytic Polymerization in Aqueous Emulsion. <i>Macromolecules</i> , 2005, 38, 5393-5399.	4.8	38
119	Controlled Acrylate Insertion Regioselectivity in Diazaphospholidine-Sulfonato Palladium(II) Complexes. <i>Organometallics</i> , 2012, 31, 8505-8515.	2.3	38
120	Photodegradable branched polyethylenes from carbon monoxide copolymerization under benign conditions. <i>Nature Communications</i> , 2020, 11, 3693.	12.8	38
121	Local Flips and Chain Motion in Polyethylene Crystallites: A Comparison of Melt-Crystallized Samples, Reactor Powders, and Nanocrystals. <i>Macromolecules</i> , 2014, 47, 5163-5173.	4.8	37
122	Ring opening polymerization of macrolactones: high conversions and activities using an yttrium catalyst. <i>Polymer Chemistry</i> , 2017, 8, 5780-5785.	3.9	37
123	Remote Perfluoroalkyl Substituents are Key to Living Aqueous Ethylene Polymerization. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3258-3263.	13.8	37
124	Carbohydrate analogue polymers by ring opening metathesis polymerisation (ROMP) and subsequent catalytic dihydroxylation. <i>Chemical Communications</i> , 2001, , 855-856.	4.1	36
125	Catalytic Ethylene Polymerisation in Carbon Dioxide as a Reaction Medium with Soluble Nickel(II) Catalysts. <i>Chemistry - A European Journal</i> , 2006, 12, 6110-6116.	3.3	36
126	Limits of Activity: Weakly Coordinating Ligands in Arylphosphinesulfonato Palladium(II) Polymerization Catalysts. <i>Organometallics</i> , 2012, 31, 3128-3137.	2.3	36



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127	Exploring Electronic and Steric Effects on the Insertion and Polymerization Reactivity of Phosphinesulfonato Pd Catalysts. <i>Chemistry - A European Journal</i> , 2013, 19, 17773-17788.	3.3	36
128	Unsymmetrical $\beta,\gamma$ -Difunctionalized Long-Chain Compounds via Full Molecular Incorporation of Fatty Acids. <i>ACS Catalysis</i> , 2015, 5, 4519-4529.	11.2	36
129	Aqueous Poly(arylacetylene) Dispersions. <i>Macromolecules</i> , 2010, 43, 8718-8723.	4.8	35
130	A Synthetic Polyester from Plant Oil Feedstock by Functionalizing Polymerization. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3346-3350.	13.8	35
131	Processing of Polyacetylene from Aqueous Nanoparticle Dispersions. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6314-6317.	13.8	34
132	Renewable resource-based poly(dodecyloate) by carbonylation polymerization. <i>Chemical Communications</i> , 2009, , 5400.	4.1	34
133	Long-Spaced Polyketones from ADMET Copolymerizations as Ideal Models for Ethylene/CO Copolymers. <i>ACS Macro Letters</i> , 2015, 4, 704-707.	4.8	34
134	Stereoselective Copolymerization of Butadiene and Functionalized 1,3-Dienes with Neodymium-Based Catalysts. <i>Macromolecules</i> , 2017, 50, 8464-8468.	4.8	34
135	Single molecule fluorescence microscopy investigations on heterogeneity of translational diffusion in thin polymer films. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 1770-1775.	2.8	33
136	Polyfluorene Nanoparticles and Quantum Dot Hybrids via Miniemulsion Polymerization. <i>ACS Macro Letters</i> , 2012, 1, 1343-1346.	4.8	33
137	Core-Shell Microspheres of a Catalytically Active Rhodium Complex Bound to a Polyelectrolyte-Coated Latex. <i>Advanced Materials</i> , 2000, 12, 953-956.	21.0	32
138	Long-Spaced Polyamides: Elucidating the Gap between Polyethylene Crystallinity and Hydrogen Bonding. <i>Macromolecules</i> , 2015, 48, 1463-1472.	4.8	32
139	Possible Side Reactions Due to Water in Emulsion Polymerization by Late Transition Metal Complexes II: Deactivation of the Catalyst by a Wacker-Type Reaction. <i>Organometallics</i> , 2005, 24, 2679-2687.	2.3	30
140	Catalytic Polymerization in Dense CO <sub>2</sub> to Controlled Microstructure Polyethylenes. <i>Macromolecules</i> , 2009, 42, 8157-8164.	4.8	30
141	Large-ring lactones from plant oils. <i>Green Chemistry</i> , 2013, 15, 2361.	9.0	30
142	Ethylene polymerization in supercritical carbon dioxide with binuclear nickel(ii) catalysts. <i>Dalton Transactions</i> , 2009, , 8929.	3.3	29
143	Fluorescent conjugated block copolymer nanoparticles by controlled mixing. <i>Chemical Communications</i> , 2012, 48, 2104.	4.1	29
144	Heterocycle-Substituted Phosphinesulfonato Palladium(II) Complexes for Insertion Copolymerization of Methyl Acrylate. <i>Organometallics</i> , 2014, 33, 2879-2888.	2.3	29

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145	Molecular Weight-Dependent Changes in Morphology of Solution-Grown Polyethylene Single Crystals. <i>Macromolecular Rapid Communications</i> , 2015, 36, 181-189.	3.9	29
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