

Bernhard Rieger

List of Publications by Year in descending order

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438
papers

22,095
citations

15504

65
h-index

13379

130
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475
all docs

475
docs citations

475
times ranked

13299
citing authors

#	ARTICLE	IF	CITATIONS
1	Stereospecific Olefin Polymerization with Chiral Metallocene Catalysts. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 1143-1170.	4.4	2,623
2	Transformation of Carbon Dioxide with Homogeneous Transition-Metal Catalysts: A Molecular Solution to a Global Challenge?. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8510-8537.	13.8	1,439
3	Recent advances in CO ₂ /epoxide copolymerization—New strategies and cooperative mechanisms. <i>Coordination Chemistry Reviews</i> , 2011, 255, 1460-1479.	18.8	636
4	Stereospezifische Olefinpolymerisation mit chiralen Metallocenkatalysatoren. <i>Angewandte Chemie</i> , 1995, 107, 1255-1283.	2.0	583
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	Molecular Tweezers for Hydrogen: Synthesis, Characterization, and Reactivity. <i>Journal of the American Chemical Society</i> , 2008, 130, 14117-14119.	13.7	356
7	Facile Heterolytic H ₂ Activation by Amines and B(C ₆ F ₅) ₃ . <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6001-6003.	13.8	290
8	New Nickel(II) Diimine Complexes and the Control of Polyethylene Microstructure by Catalyst Design. <i>Journal of the American Chemical Society</i> , 2007, 129, 9182-9191.	13.7	253
9	Bio-based polycarbonate from limonene oxide and CO ₂ with high molecular weight, excellent thermal resistance, hardness and transparency. <i>Green Chemistry</i> , 2016, 18, 760-770.	9.0	250
10	Silicon Nanocrystals and Silicon-Polymer Hybrids: Synthesis, Surface Engineering, and Applications. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2322-2339.	13.8	218
11	Degree of stereochemical control of racemic ethylenebis(indenyl)zirconium dichloride/methyl aluminoxane catalyst and properties of anisotactic polypropylenes. <i>Macromolecules</i> , 1990, 23, 3559-3568.	4.8	211
12	On the Formation of Aliphatic Polycarbonates from Epoxides with Chromium(III) and Aluminum(III) Metal-Salen Complexes. <i>Chemistry - A European Journal</i> , 2005, 11, 6298-6314.	3.3	203
13	New C _{2v} - and Chiral C ₂ -Symmetric Olefin Polymerization Catalysts Based on Nickel(II) and Palladium(II) Diimine Complexes Bearing 2,6-Diphenyl Aniline Moieties: A Synthesis, Structural Characterization, and First Insight into Polymerization Properties. <i>Organometallics</i> , 2001, 20, 2321-2330.	2.3	197
14	Biobased Polyamides: Recent Advances in Basic and Applied Research. <i>Macromolecular Rapid Communications</i> , 2016, 37, 1391-1413.	3.9	193
15	Heterogeneous Catalytic Oxidation by MFU-5l: A Cobalt(II)-Containing Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7546-7550.	13.8	190
16	DMAP/Cr(III) Catalyst Ratio: The Decisive Factor for Poly(propylene carbonate) Formation in the Coupling of CO ₂ and Propylene Oxide. <i>Macromolecular Rapid Communications</i> , 2003, 24, 194-196.	3.9	189
17	Stereo- and Regioselectivity of Chiral, Alkyl-substitutedansa-Zirconocene Catalysts in Methylalumoxane-activated Propene Polymerization. <i>Angewandte Chemie International Edition in English</i> , 1990, 29, 279-280.	4.4	181
18	Highly Active Metal-Free Catalysts for Hydrogenation of Unsaturated Nitrogen-Containing Compounds. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 2093-2110.	4.3	175

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19	Control of Stereoerror Formation with High-Activity α -Dual-Side α -Zirconocene Catalysts: A Novel Strategy To Design the Properties of Thermoplastic Elastic Polypropenes. <i>Journal of the American Chemical Society</i> , 1999, 121, 4348-4355.	13.7	173
20	From Si(II) to Si(IV) and Back: Reversible Intramolecular Carbon-Carbon Bond Activation by an Acyclic Iminosilylene. <i>Journal of the American Chemical Society</i> , 2017, 139, 8134-8137.	13.7	154
21	Conformationally Flexible Dimeric Salphen Complexes for Bifunctional Catalysis. <i>Journal of the American Chemical Society</i> , 2010, 132, 14367-14369.	13.7	149
22	Unsymmetric ansa-Zirconocene Complexes with Chiral Ethylene Bridges: Influence of Bridge Conformation and Monomer Concentration on the Stereoselectivity of the Propene Polymerization Reaction. <i>Organometallics</i> , 1994, 13, 647-653.	2.3	143
23	Flexibly Tethered Dinuclear Zinc Complexes: A Solution to the Entropy Problem in CO ₂ /Epoxide Copolymerization Catalysis?. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9821-9826.	13.8	142
24	Recent Progress in Sustainable Polymers Obtained from Cyclic Terpenes: Synthesis, Properties, and Application Potential. <i>ChemSusChem</i> , 2015, 8, 2455-2471.	6.8	138
25	Mechanistic Insights into Heterogeneous Zinc Dicarboxylates and Theoretical Considerations for CO ₂ -Epoxide Copolymerization. <i>Journal of the American Chemical Society</i> , 2011, 133, 13151-13161.	13.7	136
26	Dinuclear zinc catalysts with unprecedented activities for the copolymerization of cyclohexene oxide and CO ₂ . <i>Chemical Communications</i> , 2015, 51, 4579-4582.	4.1	133
27	CO ₂ -Controlled One-Pot Synthesis of AB, ABA Block, and Statistical Terpolymers from γ -Butyrolactone, Epoxides, and CO ₂ . <i>Journal of the American Chemical Society</i> , 2017, 139, 6787-6790.	13.7	131
28	Unprecedented High Oxygen Evolution Activity of Electrocatalysts Derived from Surface-Mounted Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019, 141, 5926-5933.	13.7	125
29	Silicon and Oxygen's Bond of Affection: An Acyclic Three-Coordinate Silanone and Its Transformation to an Iminosiloxysilylene. <i>Journal of the American Chemical Society</i> , 2017, 139, 17193-17198.	13.7	119
30	The Cobalt-Catalyzed Alternating Copolymerization of Epoxides and Carbon Monoxide: A Novel Approach to Polyesters. <i>Journal of the American Chemical Society</i> , 2002, 124, 5646-5647.	13.7	118
31	Imidazolin-2-iminato titanium complexes: synthesis, structure and use in ethylenepolymerization catalysis. <i>Dalton Transactions</i> , 2006, , 459-467.	3.3	117
32	Material Properties of Poly(Propylene Carbonates). <i>Advances in Polymer Science</i> , 2011, , 29-48.	0.8	115
33	Novel iron(III) catalyst for the efficient and selective coupling of carbon dioxide and epoxides to form cyclic carbonates. <i>Catalysis Science and Technology</i> , 2015, 5, 118-123.	4.1	115
34	Recent Developments in Ring-Opening Polymerization of Lactones. <i>Advances in Polymer Science</i> , 2011, , 173-217.	0.8	114
35	Pathway Dependence in the Fuel-Driven Dissipative Self-Assembly of Nanoparticles. <i>Journal of the American Chemical Society</i> , 2019, 141, 9872-9878.	13.7	114
36	The Ethylsulfinate Ligand: A Highly Efficient Initiating Group for the Zinc β -Diiminato Catalyzed Copolymerization Reaction of CO ₂ and Epoxides. <i>Organometallics</i> , 2003, 22, 211-214.	2.3	110

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37	Formation of Methyl Acrylate from CO ₂ and Ethylene via Methylation of Nickelalactones. <i>Organometallics</i> , 2010, 29, 2199-2202.	2.3	110
38	End of Frustration: Catalytic Precision Polymerization with Highly Interacting Lewis Pairs. <i>Journal of the American Chemical Society</i> , 2016, 138, 7776-7781.	13.7	110
39	New Single-Site Palladium Catalysts for the Nonalternating Copolymerization of Ethylene and Carbon Monoxide. <i>Organometallics</i> , 2005, 24, 2755-2763.	2.3	107
40	Variably Isotactic Poly(hydroxybutyrate) from Racemic β -Butyrolactone: Microstructure Control by Achiral Chromium(III) Salophen Complexes. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3458-3460.	13.8	107
41	Cobaltoporphyrim-Catalyzed CO ₂ /Epoxide Copolymerization: Selectivity Control by Molecular Design. <i>Macromolecules</i> , 2012, 45, 6840-6849.	4.8	104
42	[OSSO]-Type Iron(III) Complexes for the Low-Pressure Reaction of Carbon Dioxide with Epoxides: Catalytic Activity, Reaction Kinetics, and Computational Study. <i>ACS Catalysis</i> , 2018, 8, 6882-6893.	11.2	103
43	Poly(ester amide)s: recent insights into synthesis, stability and biomedical applications. <i>Polymer Chemistry</i> , 2016, 7, 7039-7046.	3.9	102
44	A One-Component Iron Catalyst for Cyclic Propylene Carbonate Synthesis. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 336-343.	2.0	96
45	Functional polypropylene blend compatibilizers. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1991, 48-49, 317-332.	0.6	91
46	Experimental and theoretical treatment of hydrogen splitting and storage in boron-nitrogen systems. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 2654-2660.	1.8	89
47	A Lewis acid η^2 -diiminato-zinc-complex as all-rounder for co- and terpolymerisation of various epoxides with carbon dioxide. <i>Chemical Science</i> , 2017, 8, 1876-1882.	7.4	89
48	New Zinc Dicarboxylate Catalysts for the CO ₂ /Propylene Oxide Copolymerization Reaction: Activity Enhancement Through Zn(II)-Ethylsulfinate Initiating Groups. <i>Macromolecular Chemistry and Physics</i> , 2004, 205, 42-47.	2.2	82
49	Activation of late transition metal catalysts for olefin polymerizations and olefin/CO copolymerizations. <i>Dalton Transactions</i> , 2008, , 4537.	3.3	82
50	Conversion of CO ₂ via Visible Light Promoted Homogeneous Redox Catalysis. <i>Catalysts</i> , 2012, 2, 544-571.	3.5	82
51	Binuclear rhenium(i) complexes for the photocatalytic reduction of CO ₂ . <i>Dalton Transactions</i> , 2012, 41, 5026.	3.3	80
52	Dissipative Self-Assembly of Photoluminescent Silicon Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14608-14612.	13.8	80
53	Propene based thermoplastic elastomers by early and late transition metal catalysis. <i>Progress in Polymer Science</i> , 2002, 27, 815-851.	24.7	77
54	Ultrahigh Molecular Weight Polypropylene Elastomers by High Activity α -Dual-Site-Hafnocene Catalysts. <i>Macromolecules</i> , 2002, 35, 5742-5743.	4.8	76

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55	Poly(vinylphosphonate)s with Widely Tunable LCST: A Promising Alternative to Conventional Thermoresponsive Polymers. <i>Macromolecules</i> , 2012, 45, 9751-9758.	4.8	76
56	Rare Earth Metal-Mediated Precision Polymerization of Vinylphosphonates and Conjugated Nitrogen-Containing Vinyl Monomers. <i>Chemical Reviews</i> , 2016, 116, 1993-2022.	47.7	76
57	Gas Phase Polymerization of Ethylene with Supported $\hat{\pm}$ -Diimine Nickel(II) Catalysts. <i>Macromolecules</i> , 2010, 43, 3624-3633.	4.8	74
58	Title is missing!. <i>Angewandte Makromolekulare Chemie</i> , 1994, 215, 47-57.	0.2	73
59	Twist of a Silicon-Silicon Double Bond: Selective <i>Anti</i> -Addition of Hydrogen to an Iminodisilene. <i>Journal of the American Chemical Society</i> , 2017, 139, 9156-9159.	13.7	73
60	Differences in Reactivity of Epoxides in the Copolymerisation with Carbon Dioxide by Zinc-Based Catalysts: Propylene Oxide versus Cyclohexene Oxide. <i>Chemistry - A European Journal</i> , 2011, 17, 8858-8869.	3.3	71
61	Stereo- und Regioselektivität von chiralen, alkylsubstituierten <i>ansa</i> -Zirconocen-Katalysatoren bei der Methylalumoxan-aktivierten Propen-Polymerisation. <i>Angewandte Chemie</i> , 1990, 102, 339-341.	2.0	70
62	Computational Insight into Catalytic Control of Poly(ethylene-methyl acrylate) Topology. <i>Organometallics</i> , 2006, 25, 4491-4497.	2.3	69
63	The Next 100 Years of Polymer Science. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 2000216.	2.2	69
64	Host-Guest Interactions in a Metal-Organic Framework Isorecticular Series for Molecular Photocatalytic CO ₂ Reduction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17854-17860.	13.8	69
65	Dual-Side <i>ansa</i> -Zirconocene Dichlorides for High Molecular Weight Isotactic Polypropene Elastomers. <i>Organometallics</i> , 2000, 19, 3767-3775.	2.3	68
66	Novel Olefin Block Copolymers through Chain-Shuttling Polymerization. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 333-335.	13.8	66
67	Ecoflex® and Ecovio®: Biodegradable, Performance-Enabling Plastics. <i>Advances in Polymer Science</i> , 2011, , 91-136.	0.8	66
68	Rare Earth Metal-Mediated Group-Transfer Polymerization: From Defined Polymer Microstructures to High-Precision Nano-Scaled Objects. <i>Journal of the American Chemical Society</i> , 2013, 135, 8810-8813.	13.7	66
69	Modulation of mesenchymal stromal cell characteristics by microcarrier culture in bioreactors. <i>Biotechnology and Bioengineering</i> , 2014, 111, 2290-2302.	3.3	66
70	Entrapped Molecular Photocatalyst and Photosensitizer in Metal-Organic Framework Nanoreactors for Enhanced Solar CO ₂ Reduction. <i>ACS Catalysis</i> , 2021, 11, 871-882.	11.2	65
71	Highly isotactic polypropene prepared with <i>rac</i> -dimethylsilyl-bis (2-methyl-4- <i>t</i> -butyl-cyclopentadienyl) zirconiumdichloride: An NMR investigation of the polymer microstructure. <i>Journal of Molecular Catalysis</i> , 1993, 82, 67-73.	1.2	64
72	Two-dimensional metal-organic frameworks (MOFs) constructed from heterotrinary coordination units and 4,4'-biphenyldicarboxylate ligands. <i>Dalton Transactions</i> , 2007, , 689-696.	3.3	64

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73	Molecular Hydrogen Tweezers: Structure and Mechanisms by Neutron Diffraction, NMR, and Deuterium Labeling Studies in Solid and Solution. <i>Journal of the American Chemical Society</i> , 2011, 133, 20245-20257.	13.7	64
74	Enantioselective catalysis. 6. The catalytic hydrogenation of .alpha.-(acetylamino)cinnamic acid with rhodium(I)-bisphosphine complexes. On the origin of the enantioselection. <i>Organometallics</i> , 1989, 8, 1534-1538.	2.3	63
75	Online ATR-IR investigations and mechanistic understanding of the carbonylation of epoxides â€“ the selective synthesis of lactones or polyesters from epoxides and CO. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 971-979.	1.8	62
76	Mechanistic Insights into the Oxidation of Veratryl Alcohol with Co(salen) and Oxygen in Aqueous Media: An in-situ Spectroscopic Study. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 2591-2599.	2.0	62
77	Kinetic and Mechanistic Investigation of Mononuclear and Flexibly Linked Dinuclear Complexes for Copolymerization of CO ₂ and Epoxides. <i>Macromolecules</i> , 2011, 44, 9508-9516.	4.8	62
78	Late Transition Metal Complexes: Catalysts for a New Generation of Organic Polymers. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 2475-2477.	4.4	61
79	Maximizing PHB content in <i>Synechocystis</i> sp. PCC 6803: a new metabolic engineering strategy based on the regulator PirC. <i>Microbial Cell Factories</i> , 2020, 19, 231.	4.0	61
80	<i>D</i>-Diarylphosphinoferrrocene Sulfonate Palladium Systems for Nonalternating Etheneâ€“Carbon Monoxide Copolymerization. <i>Organometallics</i> , 2011, 30, 5248-5257.	2.3	60
81	Molecular Design of Chemically Fueled Peptideâ€“Polyelectrolyte Coacervate-Based Assemblies. <i>Journal of the American Chemical Society</i> , 2021, 143, 4782-4789.	13.7	59
82	Title is missing!. <i>Angewandte Makromolekulare Chemie</i> , 1994, 215, 35-46.	0.2	58
83	Poly(vinylphosphonate)s Synthesized by Trivalent Cyclopentadienyl Lanthanide-Induced Group Transfer Polymerization. <i>Macromolecules</i> , 2011, 44, 5920-5927.	4.8	58
84	Mechanistic Aspects of a Highly Active Dinuclear Zinc Catalyst for the Coâ€“polymerization of Epoxides and CO ₂ . <i>Chemistry - A European Journal</i> , 2015, 21, 8148-8157.	3.3	58
85	Preparation and some properties of chiral ansa-mono(1,5-fluorenyl)zirconium(IV) complexes. <i>Journal of Organometallic Chemistry</i> , 1991, 420, C17-C20.	1.8	57
86	Facile synthesis of cyclic carbonates from CO ₂ and epoxides with cobalt(II)/onium salt based catalysts. <i>Applied Catalysis A: General</i> , 2009, 365, 194-198.	4.3	57
87	Precise Activation of Ammonia and Carbon Dioxide by an Iminodisilene. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14575-14579.	13.8	57
88	?Anisotactic? polypropylenes produced with a zirconocene-methylalumoxane catalyst: solid state properties and microstructure. <i>Polymer Bulletin</i> , 1989, 21, 159.	3.3	56
89	Recent Developments in Metal-Catalyzed Ring-Opening Polymerization of Lactides and Glycolides: Preparation of Polylactides, Polyglycolide, and Poly(lactide-co-glycolide). <i>Advances in Polymer Science</i> , 2011, , 219-283.	0.8	56
90	Control of Molecular Weight in Î±-Olefinâ€“Carbon Monoxide Alternating Copolymerization. A Way to High Molecular Weight Propeneâ€“Carbon Monoxide Thermoplastic Elastomers. <i>Macromolecules</i> , 1996, 29, 4806-4807.	4.8	55

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91	High molecular weight 1-olefin/carbon monoxide copolymers: a new class of versatile polymers. <i>Topics in Catalysis</i> , 1999, 7, 165-177.	2.8	55
92	Cover Picture: Facile Heterolytic H ₂ Activation by Amines and B(C ₆ F ₅) ₃ (<i>Angew. Chem. Int. Ed.</i> 32/2008). <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5861-5861.	13.8	54
93	Theoretical Analysis of Factors Controlling the Nonalternating CO/C ₂ H ₄ Copolymerization. <i>Journal of the American Chemical Society</i> , 2005, 127, 8765-8774.	13.7	53
94	Versatile 2-Methoxyethylaminobis(phenolate)yttrium Catalysts: Catalytic Precision Polymerization of Polar Monomers via Rare Earth Metal-Mediated Group Transfer Polymerization. <i>Macromolecules</i> , 2014, 47, 7742-7749.	4.8	53
95	Terpolymerization of \hat{I}^2 -Butyrolactone, Epoxides, and CO ₂ : Chemoselective CO ₂ -Switch and Its Impact on Kinetics and Material Properties. <i>Macromolecules</i> , 2019, 52, 8476-8483.	4.8	52
96	Comparative Study on Catalytic Systems for the Alternating and Nonalternating CO/Ethene Copolymerization. <i>Organometallics</i> , 2006, 25, 946-953.	2.3	51
97	Copolymerization of Ethylene and 3,3,3-Trifluoropropene Using (Phosphine-sulfonate)Pd(Me)(DMSO) as Catalyst. <i>ACS Macro Letters</i> , 2014, 3, 931-934.	4.8	51
98	Title is missing!. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2002, 628, 2839-2846.	1.2	50
99	“Dual-side” catalysts for high and ultrahigh molecular weight homopolypropylene elastomers and plastomers. <i>Coordination Chemistry Reviews</i> , 2006, 250, 189-211.	18.8	50
100	Synthetic Biodegradable Polymers. <i>Advances in Polymer Science</i> , 2012, , .	0.8	49
101	Activation of Polymerization Catalysts: A Synthesis and Characterization of Novel Dinuclear Nickel(I) Diimine Complexes. <i>Organometallics</i> , 2007, 26, 751-754.	2.3	48
102	Methylguanidinium Borohydride: An Ionic Liquid-Based Hydrogen Storage Material. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1871-1873.	13.8	48
103	Mono- and bimetallic Ir(κ^3) based catalysts for the homogeneous photocatalytic reduction of CO ₂ under visible light irradiation. New insights into catalyst deactivation. <i>Dalton Transactions</i> , 2014, 43, 13259.	3.3	48
104	Ultrahigh molecular weight alternating propene/ethene/carbon monoxide terpolymers with elastic properties. <i>Macromolecular Rapid Communications</i> , 1996, 17, 559-565.	3.9	47
105	Ultra-Rigid Metallocenes for Highly Iso- and Regiospecific Polymerization of Propene: The Search for the Perfect Polypropylene Helix. <i>Chemistry - A European Journal</i> , 2012, 18, 4174-4178.	3.3	46
106	<i>Organometallics</i> Roundtable 2011. <i>Organometallics</i> , 2012, 31, 1-18.	2.3	46
107	Mechanistic Studies on Initiation and Propagation of Rare Earth Metal-Mediated Group Transfer Polymerization of Vinylphosphonates. <i>Journal of the American Chemical Society</i> , 2013, 135, 13030-13040.	13.7	46
108	Gated Channels and Selectivity Tuning of CO ₂ over N ₂ Sorption by Post-Synthetic Modification of a UiO-66 Type Metal-Organic Framework. <i>Chemistry - A European Journal</i> , 2016, 22, 12800-12807.	3.3	46

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109	Multisite Catalysis: A Mechanistic Study of γ -Lactone Synthesis from Epoxides and CO ₂ —Insights into a Difficult Case of Homogeneous Catalysis. <i>Chemistry - A European Journal</i> , 2003, 9, 1273-1280.	3.3	45
110	Surface-Initiated Group Transfer Polymerization Mediated by Rare Earth Metal Catalysts. <i>Journal of the American Chemical Society</i> , 2012, 134, 7333-7336.	13.7	45
111	Polyketone materials: control of glass transition temperature and surface polarity by co- and terpolymerization of carbon monoxide with higher 1-olefins. <i>Macromolecular Chemistry and Physics</i> , 1997, 198, 1197-1208.	2.2	44
112	Functionalization of Metal-Organic Frameworks through the Postsynthetic Transformation of Olefin Side Groups. <i>Chemistry - A European Journal</i> , 2013, 19, 8244-8252.	3.3	44
113	Electron-Deficient η^2 -Diiminato-Zinc-Ethyl Complexes: Synthesis, Structure, and Reactivity in Ring-Opening Polymerization of Lactones. <i>Organometallics</i> , 2016, 35, 681-685.	2.3	44
114	An Ultrasensitive Fluorescent Paper-Based CO ₂ Sensor. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 20507-20513.	8.0	44
115	Enantioselektive Katalyse, 5. Neue Liganden mit vier Stereozentren. Synthese und Trennung der drei diastereomeren [P(<i>R,S</i>), 3 <i>R</i> , 4 <i>R</i>], $\text{P}(\text{R,S}) \text{Bis}(\text{methylphenylphosphino})\text{pyrrolidine}$. <i>Chemische Berichte</i> , 1988, 121, 1123-1131.	0.2	43
116	Preparation of Enantiomerically Pure [3]Ferrocenophane-Based Chelate Bis-Phosphane Ligands and Their Use in Asymmetric Alternating Carbon Monoxide/Propene Copolymerization. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 1909-1918.	2.4	43
117	Polymeric aluminoxanes: A possible cocatalytic support material for Ziegler-Natta-type metallocene catalysts. <i>Journal of Polymer Science Part A</i> , 1993, 31, 2959-2968.	2.3	42
118	Chemisorption of CO ₂ by chitosan oligosaccharide/DMSO: organic carbamate-carbonato bond formation. <i>Green Chemistry</i> , 2017, 19, 4305-4314.	9.0	42
119	Alternating Copolymerization Reaction of Propylene Oxide and CO: Variation of Polymer Stereoregularity and Investigation into Chain Termination. <i>Macromolecular Chemistry and Physics</i> , 2003, 204, 564-569.	2.2	41
120	Factors Influencing the Ring-Opening Polymerization of Racemic γ -Butyrolactone Using Cr ^{III} (salphen). <i>Macromolecules</i> , 2010, 43, 9311-9317.	4.8	41
121	Biodegradability of Poly(vinyl acetate) and Related Polymers. <i>Advances in Polymer Science</i> , 2011, , 137-172.	0.8	41
122	Poly(3-Hydroxybutyrate) from Carbon Monoxide. <i>Advances in Polymer Science</i> , 2011, , 49-90.	0.8	41
123	Synthesis of chiral and C ₂ -symmetric iron(II) and cobalt(II) complexes bearing a new tetradentate amine ligand system. <i>Journal of Organometallic Chemistry</i> , 1995, 497, 73-79.	1.8	40
124	Fine-Tuning of Relative Metal-Metal Distances within Highly Ordered Chiral 2D Nanopatterns. <i>Chemistry - A European Journal</i> , 2006, 12, 3847-3857.	3.3	40
125	High-Molecular-Weight Poly(vinylphosphonate)s by Single-Component Living Polymerization Initiated by Rare-Earth-Metal Complexes. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3489-3491.	13.8	39
126	Synthesis of Novel Sustainable Oligoamides Via Ring-Opening Polymerization of Lactams Based on (α)-Menthone. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 1654-1660.	2.2	39

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127	Sustainable Chiral Polyamides with High Melting Temperature via Enhanced Anionic Polymerization of a Menthone-Derived Lactam. <i>Macromolecular Rapid Communications</i> , 2016, 37, 851-857.	3.9	39
128	Chiral palladium(II) complexes bearing tetradentate nitrogen ligands: synthesis, crystal structure and reactivity towards the polymerization of norbornene. <i>Journal of Organometallic Chemistry</i> , 1999, 587, 58-66.	1.8	38
129	Oxygen-Containing, Asymmetric η^5 -Dual-Side- η^5 -Zirconocenes: Investigations on a Reversible Chain Transfer to Aluminum. <i>European Journal of Inorganic Chemistry</i> , 2002, 2002, 1349-1356.	2.0	38
130	In Situ Generated ABA Block Copolymers from CO ₂ , Cyclohexene Oxide, and Poly(dimethylsiloxane)s. <i>ACS Macro Letters</i> , 2016, 5, 419-423.	4.8	38
131	Synthesis and Properties of (Triptycenedicarboxylato)zinc Coordination Networks. <i>Chemistry - A European Journal</i> , 2009, 15, 5845-5853.	3.3	37
132	Toward New Organometallic Architectures: Synthesis of Carbene-Centered Rhodium and Palladium Bisphosphine Complexes. Stability and Reactivity of [PC ^{sup} Blm ^{sup} PRh(L)][PF ₆] ⁶⁻ Pincers. <i>Inorganic Chemistry</i> , 2015, 54, 9517-9528.	4.0	37
133	Synthesis of Enantiomerically Pure Ethylene-Bridgedansa-Zirconocene and -Hafnocene Complexes Bearing Fluorenyl, Indenyl, Octahydrofluorenyl, and Tetrahydroindenyl Ligands ¹ . <i>Organometallics</i> , 1997, 16, 544-550.	2.3	36
134	Mechanistic Aspects of the Metal Catalyzed Alternating Copolymerization of Epoxides and Carbon Monoxide. <i>Chemistry - A European Journal</i> , 2005, 11, 5327-5332.	3.3	36
135	Frustrated Lewis pairs: reactivities of TMS protected amines and phosphines in the presence of B(C ₆ F ₅) ₃ . <i>Dalton Transactions</i> , 2010, 39, 1920-1922.	3.3	36
136	C-H Bond Activation by σ -Bond Metathesis as a Versatile Route toward Highly Efficient Initiators for the Catalytic Precision Polymerization of Polar Monomers. <i>Organometallics</i> , 2015, 34, 2703-2706.	2.3	36
137	Synthesis and characterization of a trinuclear iridium(η^3) based catalyst for the photocatalytic reduction of CO ₂ . <i>Dalton Transactions</i> , 2015, 44, 6466-6472.	3.3	36
138	An investigation of carbon dioxide capture by chitin acetate/DMSO binary system. <i>Carbohydrate Polymers</i> , 2016, 152, 163-169.	10.2	36
139	CO ₂ to methanol conversion using hydride terminated porous silicon nanoparticles. <i>Chemical Communications</i> , 2017, 53, 3114-3117.	4.1	36
140	Introduction of Photolabile Bases for Locally Controlling Dynamic Exchange Reactions in Thermo-Activated Vitrimers. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14302-14306.	13.8	36
141	Polymerization of norbornene by palladium(II) complexes bearing ethylene-bridged bisindolyl- or bis(1,2,3,4-tetrahydroquinolyl) ligands. <i>Journal of Molecular Catalysis A</i> , 1998, 128, 239-243.	4.8	35
142	Polyurethanes from Renewable Resources. <i>Advances in Polymer Science</i> , 2011, , 315-360.	0.8	35
143	Rare Earth Metal-Mediated Group Transfer Polymerization of Vinylphosphonates. <i>Macromolecular Rapid Communications</i> , 2012, 33, 1327-1345.	3.9	35
144	Radical-Induced Hydrosilylation Reactions for the Functionalization of Two-Dimensional Hydride Terminated Silicon Nanosheets. <i>Chemistry - A European Journal</i> , 2016, 22, 6194-6198.	3.3	35

#	ARTICLE	IF	CITATIONS
145	Reactivity of an Acyclic Silylsilylene toward Ethylene: Migratory Insertion into the Si–Si Bond. <i>Organometallics</i> , 2016, 35, 1-4.	2.3	35
146	Sustainable, Stereoregular, and Optically Active Polyamides via Cationic Polymerization of $\hat{\mu}$ -Lactams Derived from the Terpene $\hat{\iota}^2$ -Pinene. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600787.	3.9	35
147	Homo- and Copolymerization of Strained Cyclic Olefins with New Palladium(II) Complexes Bearing Ethylene-Bridged Heterodonor Ligands. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 599-603.	2.2	34
148	New Insights into the Ring-Opening Polymerization of $\hat{\iota}^2$ -Butyrolactone Catalyzed by Chromium(III) Salphen Complexes. <i>ChemCatChem</i> , 2015, 7, 3963-3971.	3.7	34
149	Template mediated and solvent-free route to a variety of UiO-66 metal-organic frameworks. <i>RSC Advances</i> , 2016, 6, 102968-102971.	3.6	34
150	Elastomeric Poly(propylene) from $\hat{\alpha}$ -Dual-side-Metallocenes: Reversible Chain Transfer and its Influence on Polymer Microstructure. <i>Macromolecular Chemistry and Physics</i> , 2006, 207, 665-683.	2.2	33
151	Simulating and evaluating small-angle X-ray scattering of micro-voids in polypropylene during mechanical deformation. <i>Journal of Applied Crystallography</i> , 2010, 43, 603-610.	4.5	33
152	Mechanistic Investigations of the Stereoselective Rare Earth Metal-Mediated Ring-Opening Polymerization of $\hat{\iota}^2$ -Butyrolactone. <i>Chemistry - A European Journal</i> , 2015, 21, 13609-13617.	3.3	33
153	Stereospecific catalytic precision polymerization of 2-vinylpyridine via rare earth metal-mediated group transfer polymerization with 2-methoxyethylamino-bis(phenolate)-yttrium complexes. <i>Polymer Chemistry</i> , 2015, 6, 6796-6801.	3.9	33
154	2-Methoxyethylamino-bis(phenolate)yttrium Catalysts for the Synthesis of Highly Isotactic Poly(2-vinylpyridine) by Rare-Earth Metal-Mediated Group Transfer Polymerization. <i>Macromolecules</i> , 2016, 49, 6260-6267.	4.8	33
155	Polyamide/PEG Blends as Biocompatible Biomaterials for the Convenient Regulation of Cell Adhesion and Growth. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1900091.	3.9	33
156	New Phenylnickel-(2-phosphinobenzenesulfonate) Triphenylphosphine Complexes as Highly Active Ethylene Polymerization Catalysts. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005, 631, 2775-2781.	1.2	32
157	Novel palladium complexes employing mixed phosphine phosphonates and phosphine phosphinates as anionic chelating [P,O] ligands. <i>Dalton Transactions</i> , 2007, , 272-278.	3.3	32
158	Structural Modification of Functionalized Phosphine Sulfonate-Based Palladium(II) Olefin Polymerization Catalysts. <i>Organometallics</i> , 2011, 30, 6602-6611.	2.3	32
159	Amine-bis(phenolato)cobalt(II) Catalysts for the Formation of Organic Carbonates from Carbon Dioxide and Epoxides. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 1766-1774.	2.0	32
160	Thermo- and pH-Responsive Nanogel Particles Bearing Secondary Amine Functionalities for Reversible Carbon Dioxide Capture and Release. <i>Macromolecules</i> , 2015, 48, 6433-6439.	4.8	32
161	SYNTHESIS OF POLYPROPYLENE-POLY(METH)ACRYLATE BLOCK COPOLYMERS USING METALLOCENE CATALYZED PROCESSES AND SUBSEQUENT ATOM TRANSFER RADICAL POLYMERIZATION. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2002, 39, 901-913.	2.2	31
162	Synthesis and Properties of Poly(ketone-co-alcohol) Materials: Shape Memory Thermoplastic Elastomers by Control of the Glass Transition Process. <i>Macromolecular Chemistry and Physics</i> , 2004, 205, 374-382.	2.2	31

#	ARTICLE	IF	CITATIONS
163	Metal-Organic Frameworks (MOFs) Composed of (Triptycenedicarboxylato)zinc. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 2601-2609.	2.0	31
164	Synthesis of non-symmetrically sulphonated phosphine sulphonate based Pd(ii) catalyst salts for olefin polymerisation reactions. <i>Dalton Transactions</i> , 2011, 40, 8304.	3.3	31
165	Tandem post-synthetic modification for functionalized metal-organic frameworks via epoxidation and subsequent epoxide ring-opening. <i>Chemical Communications</i> , 2012, 48, 2888.	4.1	31
166	Highly efficient isocyanate-free microwave-assisted synthesis of [6]-oligourea. <i>Catalysis Science and Technology</i> , 2013, 3, 2221.	4.1	30
167	Unraveling Side Reactions in the Photocatalytic Reduction of CO ₂ : Evidence for Light-Induced Deactivation Processes in Homogeneous Photocatalysis. <i>ChemCatChem</i> , 2015, 7, 690-697.	3.7	30
168	Photoluminescence through in-gap states in phenylacetylene functionalized silicon nanocrystals. <i>Nanoscale</i> , 2016, 8, 7849-7853.	5.6	30
169	Toolbox of Nonmetallocene Lanthanides: Multifunctional Catalysts in Group-Transfer Polymerization. <i>Inorganic Chemistry</i> , 2017, 56, 9754-9764.	4.0	30
170	Radical-Initiated and Thermally Induced Hydrogermylation of Alkenes on the Surfaces of Germanium Nanosheets. <i>Chemistry of Materials</i> , 2018, 30, 2274-2280.	6.7	30
171	Title is missing!. <i>Macromolecular Chemistry and Physics</i> , 2002, 203, 1918-1925.	2.2	29
172	Copolymerisation of Propylene Oxide and Carbon Dioxide by Dinuclear Cobalt Porphyrins. <i>ChemCatChem</i> , 2013, 5, 3269-3280.	3.7	29
173	[<i>n</i>]-Oligourea-Based Green Sorbents with Enhanced CO ₂ Sorption Capacity. <i>ChemSusChem</i> , 2015, 8, 1618-1626.	6.8	29
174	Derivatization of propene/methyloctadiene copolymers: A flexible approach to side-chain-functionalized polypropenes. <i>Journal of Polymer Science Part A</i> , 2002, 40, 1484-1497.	2.3	28
175	Metal-Free Polymerization of Phenylsilane: Tris(pentafluorophenyl)borane-Catalyzed Synthesis of Branched Polysilanes at Elevated Temperatures. <i>Chemistry - A European Journal</i> , 2013, 19, 12526-12536.	3.3	28
176	Cobaltcarbonyl Complexes – Tunable Catalysts for the Carbonylation of Epoxides. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2003, 629, 1347-1352.	1.2	27
177	Concerning the Deactivation of Cobalt(III)-Based Porphyrin and Salen Catalysts in Epoxide/CO ₂ Copolymerization. <i>Chemistry - A European Journal</i> , 2015, 21, 4384-4390.	3.3	27
178	Dicationic ruthenium(II) complexes containing bridged 1:1:6-phosphinoarene ligands for the ring-opening metathesis polymerization. <i>Journal of Molecular Catalysis A</i> , 2000, 160, 23-33.	4.8	26
179	Asymmetric Metallocene Catalysts Based on Dibenzothiophene: A New Approach to High Molecular Weight Polypropylene Plastomers. <i>Organometallics</i> , 2003, 22, 3495-3501.	2.3	26
180	Next Generation Multiresponsive Nanocarriers for Targeted Drug Delivery to Cancer Cells. <i>Chemistry - A European Journal</i> , 2016, 22, 14576-14584.	3.3	26

#	ARTICLE	IF	CITATIONS
181	Zirconocene-MAO-catalyzed homo- and copolymerizations of linear asymmetrically substituted dienes with propene: A novel strategy to functional (co)poly(1-olefin)s. <i>Macromolecular Chemistry and Physics</i> , 1998, 199, 1511-1517.	2.2	26
182	Chiral Epoxides as Building Blocks for Ethylene-Bridged <i>ansa</i> -Metalloocene Complexes – Synthesis of <i>C₁</i> -Symmetrical Zirconocene Dichlorides with Two Different Cyclopentadienyl Units. <i>Chemische Berichte</i> , 1992, 125, 2373-2377.	0.2	25
183	POLYMER CHEMISTRY:Nanoscale Polymerization Reactors for Polymer Fibers. <i>Science</i> , 1999, 285, 2081-2082.	12.6	25
184	Chain End Isomerization as a Side Reaction in Metallocene-Catalyzed Ethylene and Propylene Polymerizations. <i>Macromolecules</i> , 2000, 33, 8534-8540.	4.8	25
185	Protic metal-containing ionic liquids as catalysts: Cooperative effects between anion and cation. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 3831-3835.	1.8	25
186	Poly(propylene carbonate): Insight into the Microstructure and Enantioselective Ring-Opening Mechanism. <i>Macromolecules</i> , 2012, 45, 8604-8613.	4.8	25
187	Diazonium Salts as Grafting Agents and Efficient Radical-Hydrosilylation Initiators for Freestanding Photoluminescent Silicon Nanocrystals. <i>Chemistry - A European Journal</i> , 2014, 20, 4212-4216.	3.3	25
188	Structure-property relationship and transport properties of structurally related silyl carbonate electrolytes. <i>Electrochimica Acta</i> , 2015, 173, 687-697.	5.2	25
189	New insights into synthesis and oligomerization of μ -lactams derived from the terpenoid ketone ($\hat{\mu}$)-menthone. <i>RSC Advances</i> , 2015, 5, 77699-77705.	3.6	25
190	Core-First Synthesis of Three-Armed Star-Shaped Polymers by Rare Earth Metal-Mediated Group Transfer Polymerization. <i>Macromolecules</i> , 2017, 50, 6569-6576.	4.8	25
191	Directing the hetero-growth of lattice-mismatched surface-mounted metal-organic frameworks by functionalizing the interface. <i>Journal of Materials Chemistry A</i> , 2018, 6, 21295-21303.	10.3	25
192	Stretching calorimetry and X-ray characterization of deformational behavior of new high molecular weight propene-carbon monoxide alternating co- and terpolymers. <i>Macromolecular Chemistry and Physics</i> , 1999, 200, 2636-2644.	2.2	24
193	Chiral Mono- and Bidentate Ligands Derived from D-Mannitol and Their Application in Rhodium(I)-Catalyzed Asymmetric Hydrogenation Reactions. <i>European Journal of Inorganic Chemistry</i> , 2002, 2002, 2614-2624.	2.0	24
194	The influence of surface functionalization methods on the performance of silicon nanocrystal LEDs. <i>Nanoscale</i> , 2018, 10, 10337-10342.	5.6	24
195	Behind the Scenes of Group 4 Metallocene Catalysis: Examination of the Metal-Carbon Bond. <i>Organometallics</i> , 2018, 37, 2690-2705.	2.3	24
196	Porphyrim based metal-organic framework films: nucleation and growth. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25941-25950.	10.3	24
197	38. Homogeneous Ziegler-Natta Catalysts and Synthesis of Anisotactic and Thermoplastic Elastomeric Poly (propylenes) Dedicated to Professor T. Keii on the Occasion of his seventieth birthday.. <i>Studies in Surface Science and Catalysis</i> , 1990, , 535-574.	1.5	23
198	Metallocene dichlorides bearing acenaphthyl substituted cyclopentadienyl rings: preparation and polymerization behavior. <i>Journal of Organometallic Chemistry</i> , 1997, 549, 177-186.	1.8	23

#	ARTICLE	IF	CITATIONS
199	INFLUENCE OF THERMAL TREATMENTS ON THE POLYMORPHISM IN STEREOIRREGULAR ISOTACTIC POLYPROPYLENE: EFFECT OF STEREO-DEFECT DISTRIBUTION. <i>Journal of Macromolecular Science - Physics</i> , 2002, 41, 1091-1104.	1.0	23
200	Catalytic Precision Polymerization: Rare Earth Metal-Mediated Synthesis of Homopolymers, Block Copolymers, and Polymer Brushes. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 1946-1962.	2.2	23
201	Thioether-triphenolate bimetallic iron(III) complexes as robust and highly efficient catalysts for cycloaddition of carbon dioxide to epoxides. <i>Faraday Discussions</i> , 2015, 183, 83-95.	3.2	23
202	One-Step Synthesis of Photoluminescent Covalent Polymeric Nanocomposites from 2D Silicon Nanosheets. <i>Advanced Functional Materials</i> , 2016, 26, 6711-6718.	14.9	23
203	Copolymers of polyhydroxyalkanoates and polyethylene glycols: recent advancements with biological and medical significance. <i>Polymer International</i> , 2017, 66, 497-503.	3.1	23
204	Superhydrophobic Silicon Nanocrystal-Silica Aerogel Hybrid Materials: Synthesis, Properties, and Sensing Application. <i>Langmuir</i> , 2018, 34, 4888-4896.	3.5	23
205	Novel benzo-15-crown-5 functionalized β -olefin/CO terpolymers for membrane applications. <i>Macromolecular Chemistry and Physics</i> , 1997, 198, 2759-2768.	2.2	22
206	A Hyperbranched Polysilane-Based, Borane Cocatalyst for the Metallocene-Catalyzed Polymerization of Propylene. <i>Macromolecules</i> , 2004, 37, 4004-4007.	4.8	22
207	Polythioethers by Thiol-ene Click Polyaddition of β -alkylene Thiols. <i>Macromolecular Rapid Communications</i> , 2013, 34, 1020-1025.	3.9	22
208	Bridging Efficiency within Multinuclear Homogeneous Catalysts in the Photocatalytic Reduction of Carbon Dioxide. <i>ChemCatChem</i> , 2015, 7, 3562-3569.	3.7	22
209	Functionalization of Hydride-Terminated Photoluminescent Silicon Nanocrystals with Organolithium Reagents. <i>Chemistry - A European Journal</i> , 2015, 21, 2755-2758.	3.3	22
210	Photoluminescent silicon nanocrystals with chlorosilane surfaces - synthesis and reactivity. <i>Nanoscale</i> , 2015, 7, 914-918.	5.6	22
211	Silicium-Nanokristalle und Silicium-Polymer-Hybridmaterialien: Synthese, Oberflächenmodifikation und Anwendungen. <i>Angewandte Chemie</i> , 2016, 128, 2366-2384.	2.0	22
212	Ultrarigid Indenyl-based Hafnocene Complexes for the Highly Ioselective Polymerization of Propene: Tunable Polymerization Performance Adopting Various Sterically Demanding 4-Aryl Substituents. <i>Organometallics</i> , 2017, 36, 399-408.	2.3	22
213	Pentaerythritol-Based Molecular Sorbent for CO ₂ Capturing: A Highly Efficient Wet Scrubbing Agent Showing Proton Shuttling Phenomenon. <i>Energy & Fuels</i> , 2017, 31, 8407-8414.	5.1	22
214	Additive Manufacturing of Al ₂ O ₃ -Based Carriers for Heterogeneous Catalysis. <i>Chemie-Ingenieur-Technik</i> , 2018, 90, 703-707.	0.8	22
215	Non-Innocent Methylene Linker in Bridged Lewis Pair Initiators. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9797-9801.	13.8	22
216	Ethylene-bridged ansa-zirconocene dichlorides for syndiospecific propene polymerization. <i>Polymer Bulletin</i> , 1995, 35, 87-94.	3.3	21

#	ARTICLE	IF	CITATIONS
217	In situ ATR-IR spectroscopy: a powerful tool to elucidate the catalytic oxidation of veratryl alcohol in aqueous media. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 4450-4454.	2.8	21
218	Mechanical and temperature dependant properties, structure and phase transitions of elastic polypropylenes. <i>European Polymer Journal</i> , 2007, 43, 634-643.	5.4	21
219	Thermoresponsive and Photoluminescent Hybrid Silicon Nanoparticles by Surface-Initiated Group Transfer Polymerization of Diethyl Vinylphosphonate. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12494-12497.	13.8	21
220	Titanocenes in Olefin Polymerization: Sustainable Catalyst System or an Extinct Species?. <i>Organometallics</i> , 2017, 36, 1408-1418.	2.3	21
221	Regarding Initial Ring Opening of Propylene Oxide in its Copolymerization with CO ₂ Catalyzed by a Cobalt(III) Porphyrin Complex. <i>Chemistry - A European Journal</i> , 2014, 20, 15499-15504.	3.3	20
222	Photoluminescent silicon nanocrystal-polymer hybrid materials via surface initiated reversible addition-fragmentation chain transfer (RAFT) polymerization. <i>Nanoscale</i> , 2015, 7, 7811-7818.	5.6	20
223	Lewis Acid Induced Functionalization of Photoluminescent 2D Silicon Nanosheets for the Fabrication of Functional Hybrid Films. <i>Advanced Functional Materials</i> , 2017, 27, 1606764.	14.9	20
224	Precise Activation of Ammonia and Carbon Dioxide by an Iminodisilene. <i>Angewandte Chemie</i> , 2018, 130, 14783-14787.	2.0	20
225	Ultrabright Fluorescent and Lasing Microspheres from a Conjugated Polymer. <i>Advanced Functional Materials</i> , 2018, 28, 1802759.	14.9	20
226	A Convenient Synthesis of Enantiomerically Pure Ethylene-Bridged Metallocene Complexes Bearing Fluorenyl- and Octahydrofluorenyl Ligands ^[1] . <i>Chemische Berichte</i> , 1994, 127, 2417-2419.	0.2	19
227	Side-chain liquid-crystalline poly(ketone)s: effect of spacer length, mesogen type and mesogen density on mesomorphic behavior. <i>Macromolecular Chemistry and Physics</i> , 2000, 201, 2484-2492.	2.2	19
228	Cycloaliphatic Polymers via Late Transition Metal Catalysis. , 2005, , 101-154.		19
229	Structure controlled self-assembly of Cu(ii) salicylic aldehyde and aldimine derivative complexes. <i>Chemical Communications</i> , 2005, , 1294-1296.	4.1	19
230	Hyperbranched Polycarbosilanes of Homogeneous Architecture: Regioselective Hydrosilylation of AB ₂ Monomers and Consecutive Functionalization. <i>Macromolecules</i> , 2010, 43, 934-938.	4.8	19
231	Poly(vinylphosphonate)s as Macromolecular Flame Retardants for Polycarbonate. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 1703-1712.	3.7	19
232	Metal-Catalyzed Group-Transfer Polymerization: A Versatile Tool for Tailor-Made Functional (Co)Polymers. <i>Chemistry - A European Journal</i> , 2018, 24, 509-518.	3.3	19
233	Electron-Poor Olefin Polymerization Catalysts Based on Semi-Fluorinated Bis(phosphane)s. <i>European Journal of Inorganic Chemistry</i> , 2000, 2000, 2063-2070.	2.0	18
234	Novel High and Ultrahigh Molecular Weight Poly(propylene) Plastomers by Asymmetric Hafnocene Catalysts. <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 1231-1240.	2.2	18

#	ARTICLE	IF	CITATIONS
235	Alkyl Chain Length Defines 2D Architecture of Salophen Complexes on Liquidâ€“Graphite Interface. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 4028-4034.	2.0	18
236	Direct Synthesis of Poly(dimethylsiloxane) Copolymers with TPEâ€“Properties via CuAAC (Click) Chemistry. <i>Journal of Polymer Science: Part A: Polymer Chemistry</i> , 2007, 45, 1010-1018.	3.9	18
237	Structure and ionic conductivity of liquid crystals having propylene carbonate units. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2942-2953.	10.3	18
238	A novel translaminar crossover approach for pathologies in the lumbar hidden zone. <i>Journal of Clinical Neuroscience</i> , 2015, 22, 1030-1035.	1.5	18
239	Dissipative Selbstassemblierung photolumineszierender Siliciumnanokristalle. <i>Angewandte Chemie</i> , 2018, 130, 14817-14822.	2.0	18
240	Biomaterials for CO ₂ Harvesting: From Regulatory Functions to Wet Scrubbing Applications. <i>ACS Omega</i> , 2019, 4, 11532-11539.	3.5	18
241	CO ₂ activation through Câ€“N, Câ€“O and Câ€“C bond formation. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 1306-1312.	2.8	18
242	Defect Creation in Surface-Mounted Metalâ€“Organic Framework Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 2655-2661.	8.0	18
243	Reactions of an anionic chelate phosphane/borata-alkene ligand with [Rh(nbd)Cl] ₂ , [Rh(CO) ₂ Cl] ₂ and [Ir(cod)Cl] ₂ . <i>Chemical Science</i> , 2020, 11, 7349-7355.	7.4	18
244	Understanding entrapped molecular photosystem and metalâ€“organic framework synergy for improved solar fuel production. <i>Faraday Discussions</i> , 2021, 231, 281-297.	3.2	18
245	Stereospecific propene polymerization with rac-[1,2-bis(1-5-(9-fluorenyl))-1-phenylethane]zirconium dichloride/methylalumoxane. <i>Polymer Bulletin</i> , 1994, 32, 41-46.	3.3	17
246	Komplexe â€“berbergangsmetalle: Katalysatoren fÃ¼r eine neue Generation organischer Polymere. <i>Angewandte Chemie</i> , 1996, 108, 2627-2629.	2.0	17
247	Orientation of the Î±- and Î³-modification of elastic polypropylene at uniaxial stretching. <i>European Polymer Journal</i> , 2007, 43, 3573-3586.	5.4	17
248	Production of CaCO ₃ /hyperbranched polyglycidol hybrid films using spray-coating technique. <i>Journal of Colloid and Interface Science</i> , 2012, 374, 61-69.	9.4	17
249	Polymerization Behavior of <i>i</i> -C ₁ -Symmetric Metallocenes (M = Zr, Hf): From Ultrahigh Molecular Weight Elastic Polypropylene to Useful Macromonomers. <i>Organometallics</i> , 2013, 32, 427-437.	2.3	17
250	Temperature and CO ₂ responsive polyethylenimine for highly efficient carbon dioxide release. <i>RSC Advances</i> , 2015, 5, 9556-9560.	3.6	17
251	Precise synthesis of thermoresponsive polyvinylphosphonate-biomolecule conjugates via thiolâ€“ene click chemistry. <i>Polymer Chemistry</i> , 2018, 9, 284-290.	3.9	17
252	A green sorbent for CO ₂ capture: Î±-cyclodextrin-based carbonate in DMSO solution. <i>RSC Advances</i> , 2018, 8, 37757-37764.	3.6	17

#	ARTICLE	IF	CITATIONS
253	Aluminum Oxide at the Monolayer Limit via Oxidant-Free Plasma-Assisted Atomic Layer Deposition on GaN. <i>Advanced Functional Materials</i> , 2021, 31, 2101441.	14.9	17
254	Nanostructured alkene-carbon monoxide terpolymers: New materials via a pulse-feed-polymerization technique. <i>Macromolecular Materials and Engineering</i> , 2000, 283, 115-119.	3.6	16
255	Palladium Complexes with Bidentate P,N Ligands: Synthesis, Characterization and Application in Ethene Oligomerization. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2002, 57, 803-809.	0.7	16
256	Reaction kinetics of oxychlorination of carbon monoxide to phosgene based on copper(II) chloride. <i>Applied Catalysis A: General</i> , 2009, 357, 51-57.	4.3	16
257	Amine-Borane Mediated Metal-Free Hydrogen Activation and Catalytic Hydrogenation. <i>Topics in Current Chemistry</i> , 2012, 332, 111-155.	4.0	16
258	Catalytic C-F activation via cationic group IV metallocenes. <i>Journal of Organometallic Chemistry</i> , 2015, 778, 21-28.	1.8	16
259	A Green Route: From Carbon Dioxide to Silyl Substituted Carbonate Electrolytes for Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2015, 162, A1319-A1326.	2.9	16
260	Multiresponsive micellar block copolymers from 2-vinylpyridine and dialkylvinylphosphonates with a tunable lower critical solution temperature. <i>RSC Advances</i> , 2016, 6, 78750-78754.	3.6	16
261	Control of Water Content for Enhancing the Quality of Copper Paddle-Wheel-Based Metal-Organic Framework Thin Films Grown by Layer-by-Layer Liquid-Phase Epitaxy. <i>Crystal Growth and Design</i> , 2018, 18, 7451-7459.	3.0	16
262	Metal-Organic Framework with Color-Switching and Strongly Polarized Emission. <i>Chemistry of Materials</i> , 2019, 31, 5816-5823.	6.7	16
263	Functional Olefin Copolymers: Uniform Architectures of Propene/7-Methyl-1,6-octadiene Copolymers by ATR-FTIR Spectroscopy Control of Monomer Composition. <i>Macromolecules</i> , 2000, 33, 1524-1529.	4.8	15
264	Nonsymmetric Palladium Complexes of Partly Fluorinated Bisphosphine Ligands: Efficient Catalysts for Flexible Propene/CO Copolymer Materials of Ultrahigh Molecular Weight. <i>Organometallics</i> , 2003, 22, 3905-3914.	2.3	15
265	Synthesis of Functional Poly(1,4-ketone)s Bearing Bioactive Moieties by Pd-Catalyzed Insertion Polymerization. <i>Biomacromolecules</i> , 2006, 7, 2931-2936.	5.4	15
266	PDMS-Containing Alternating Copolymers Obtained by Click Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 1396-1406.	2.2	15
267	Aliphatic polycarbonates derived from epoxides and CO ₂ : A comparative study of poly(cyclohexene) Tj ETQq1 1 0.784314 rgBT /Overbo	3.8	15
268	The synergistic effect of heterostructured dissimilar metal-organic framework thin films on adsorption properties. <i>Journal of Materials Chemistry A</i> , 2020, 8, 12990-12995.	10.3	15
269	Part I. On the physical characterization of ethene/propene/CO terpolymers: effect of composition. <i>Polymer</i> , 2001, 42, 93-101.	3.8	14
270	Novel Non-Symmetric Nickel-Diimine Complexes for the Homopolymerization of Ethene: Control of Branching by Catalyst Design. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2002, 57, 1141-1146.	0.7	14

#	ARTICLE	IF	CITATIONS
271	Composition optimization of silica-supported copper (II) chloride substance for phosgene production. <i>Applied Catalysis A: General</i> , 2009, 365, 20-27.	4.3	14
272	Polymer-silicon nanosheet composites: bridging the way to optoelectronic applications. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 135106.	2.8	14
273	Yttrium-Catalyzed Synthesis of Bipyridine-Functionalized AB-Block Copolymers: Micellar Support for Photocatalytic Active Rhenium-Complexes. <i>ChemCatChem</i> , 2018, 10, 4309-4316.	3.7	14
274	CO/Alkene Copolymers as a Promising Class of Biocompatible Materials, 1. <i>Macromolecular Bioscience</i> , 2003, 3, 123-130.	4.1	13
275	High-Molecular-Weight Polyketones from Higher- α -Olefins: A General Method. <i>Macromolecular Chemistry and Physics</i> , 2004, 205, 2292-2302.	2.2	13
276	Novel Single-Component Palladium(II) Catalysts for the Alternating CO/Propene Copolymerization Reaction. <i>Organometallics</i> , 2004, 23, 5637-5639.	2.3	13
277	A Catalytic Approach to Functional Poly(1,4-ketone)s Bearing Pendant Monosaccharide Fragments. <i>Macromolecular Rapid Communications</i> , 2005, 26, 945-949.	3.9	13
278	Stress-Induced changes in microstructure of a low-crystalline polypropylene investigated at uniaxial stretching. <i>Journal of Applied Polymer Science</i> , 2009, 112, 188-199.	2.6	13
279	Modern Synthetic and Application Aspects of Polysilanes: An Underestimated Class of Materials?. <i>Advances in Polymer Science</i> , 2009, , 1-31.	0.8	13
280	Highly selective CO ₂ separation membranes through tunable poly(4-vinylphenolate)-CO ₂ interactions. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16389-16396.	10.3	13
281	Borata-Alkene Derived Syntheses of (F ₅ C ₆) ₂ B-Substituted Bis(indenyl) Group 4 Metal Complexes. <i>Organometallics</i> , 2016, 35, 2689-2693.	2.3	13
282	Heteronuclear, Monomer-Selective Zn/Y Catalyst Combines Copolymerization of Epoxides and CO ₂ with Group-Transfer Polymerization of Michael-Type Monomers. <i>ACS Macro Letters</i> , 2020, 9, 571-575.	4.8	13
283	Wirt-Gast-Wechselwirkungen in einer Serie isoretikulärer Metallorganischer Gerüststrukturen für molekulare photokatalytische CO ₂ -Reduktion. <i>Angewandte Chemie</i> , 2021, 133, 17998-18004.	2.0	13
284	Hafnocene-Based Olefin Polymerizations. <i>Topics in Organometallic Chemistry</i> , 2009, , 47-63.	0.7	13
285	Synthesis of Ethylene Bridged Biscyclopentadiene Ligand Precursor Compounds and Some of their ansa-Zirconocene Derivatives via Chiral Epoxides: A Synthetic Strategy of High Variability. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1994, 49, 451-458.	0.7	12
286	Functional poly(1,4-ketone)s with pendant hydroxy moieties, 1. Pd(II)-catalyzed alternating copolymerization of carbon monoxide and allylbenzene derivatives. <i>Macromolecular Chemistry and Physics</i> , 2000, 201, 2861-2868.	2.2	12
287	High Yield Synthesis, Separation and Structural Characterization of New [n+n]-Polyazamacrocycles. <i>Heterocycles</i> , 2003, 60, 1065.	0.7	12
288	Small-Angle X-ray Scattering on Melt-Spun Polypropylene Fibers: Modeling and Data Reduction. <i>Macromolecules</i> , 2010, 43, 5009-5015.	4.8	12

#	ARTICLE	IF	CITATIONS
289	Salen Metal Complexes as Catalysts for the Synthesis of Polycarbonates from Cyclic Ethers and Carbon Dioxide. <i>Advances in Polymer Science</i> , 2011, , 1-27.	0.8	12
290	Organic-Inorganic Hybrid Nanoparticles via Photoinduced Micellation and Siloxane Core Cross-Linking of Stimuli-Responsive Copolymers. <i>ACS Macro Letters</i> , 2013, 2, 121-124.	4.8	12
291	Molecular and Thermal Characterization of a Nearly Perfect Isotactic Poly(propylene). <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 2171-2178.	2.2	12
292	Grafting Poly(3-hexylthiophene) from Silicon Nanocrystal Surfaces: Synthesis and Properties of a Functional Hybrid Material with Direct Interfacial Contact. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7393-7397.	13.8	12
293	Enhancing tumor apparent diffusion coefficient histogram skewness stratifies the postoperative survival in recurrent glioblastoma multiforme patients undergoing salvage surgery. <i>Journal of Neuro-Oncology</i> , 2016, 127, 551-557.	2.9	12
294	Ligand Induced Steric Crowding in Rare Earth Metal-Mediated Group Transfer Polymerization of Vinylphosphonates: Does Enthalpy Matter?. <i>Macromolecules</i> , 2016, 49, 1582-1589.	4.8	12
295	Fluorescent Polyvinylphosphonate Bioconjugates for Selective Cellular Delivery. <i>Chemistry - A European Journal</i> , 2018, 24, 2584-2587.	3.3	12
296	Wide-gamut lasing from a single organic chromophore. <i>Light: Science and Applications</i> , 2018, 7, 101.	16.6	12
297	Synthesis of next generation dual-responsive cross-linked nanoparticles and their application to anti-cancer drug delivery. <i>Nanoscale</i> , 2018, 10, 16062-16068.	5.6	12
298	Silicon Nanosheets versus Graphene Nanosheets: A Comparison of Their Nonlinear Optical Response. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 815-821.	4.6	12
299	Zirconocene-MAO catalyzed homo- and copolymerizations of linear asymmetrically substituted dienes with propene: a novel strategy to functional (co)poly(1-olefin)s. <i>Macromolecular Chemistry and Physics</i> , 1998, 199, 1511-1517.	2.2	11
300	High molecular weight polypropene elastomers via dual-side zirconocene dichlorides. <i>Macromolecular Symposia</i> , 2002, 177, 71-86.	0.7	11
301	Novel Unsymmetric 1,2-Diimine Nickel(II) Complexes: Suitable Catalysts for Copolymerization Reactions. <i>Chemistry - an Asian Journal</i> , 2007, 2, 386-392.	3.3	11
302	Carbon Dioxide Insertion into Diamines: A Computational Study of Solvent Effects. <i>ChemSusChem</i> , 2012, 5, 1967-1973.	6.8	11
303	Functionalization of aliphatic polyketones. <i>MRS Bulletin</i> , 2013, 38, 239-244.	3.5	11
304	Poly(vinylphosphonate)s functionalized polymer microspheres via rare earth metal-mediated group transfer polymerization. <i>Journal of Polymer Science Part A</i> , 2014, 52, 2919-2925.	2.3	11
305	Catalytically Active N-Acylamidinate Zirconium Complexes: Synthesis, Structures, and Application in Ethylene Polymerization. <i>Organometallics</i> , 2016, 35, 1906-1915.	2.3	11
306	Diaryliodonium salts as hydrosilylation initiators for the surface functionalization of silicon nanomaterials and their collaborative effect as ring opening polymerization initiators. <i>Nanoscale</i> , 2017, 9, 7739-7744.	5.6	11

#	ARTICLE	IF	CITATIONS
307	Isospecific Group-Transfer Polymerization of Diethyl Vinylphosphonate and Multidimensional NMR Analysis of the Polymer Microstructure. <i>Macromolecules</i> , 2019, 52, 7073-7080.	4.8	11
308	(Co)polymerization of ($\hat{\alpha}$)-menthide and $\hat{\beta}$ -butyrolactone with yttrium-bis(phenolates): tuning material properties of sustainable polyesters. <i>Polymer Chemistry</i> , 2020, 11, 4426-4437.	3.9	11
309	Trialkylaluminum $\hat{\epsilon}$ Heterocyclic Olefin (NHO) Adducts as Catalysts for the Polymerization of Michael $\hat{\epsilon}$ Type Monomers. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020, 646, 547-551.	1.2	11
310	Macromolecular Rhenium $\hat{\epsilon}$ Ruthenium Complexes for Photocatalytic CO ₂ Conversion: From Catalytic Lewis Pair Polymerization to Well-Defined Poly(vinyl bipyridine) $\hat{\epsilon}$ Metal Complexes. <i>Macromolecules</i> , 2022, 55, 7039-7048.	4.8	11
311	Novel Linear and Branched Poly(1,4-ketone)-b-polyalcohol Block Structures through Control of the Catalyst Initiation Mechanism. <i>Macromolecules</i> , 2002, 35, 2865-2867.	4.8	10
312	Copolymerization of Alkenes and Polar Monomers by Early and Late Transition Metal Catalysts. , 2012, , 779-823.		10
313	New Curable Propylene Copolymers Containing <i>Tert</i> $\hat{\epsilon}$ Butoxysilane Side Groups. <i>Macromolecular Rapid Communications</i> , 2013, 34, 221-226.	3.9	10
314	Suppression of Deactivation Processes in Photocatalytic Reduction of CO ₂ Using Pulsed Light. <i>ChemCatChem</i> , 2016, 8, 2688-2695.	3.7	10
315	Branched siloxanes as possible new heat transfer fluids for application in parabolic through solar thermal power plants. <i>Solar Energy Materials and Solar Cells</i> , 2017, 161, 278-284.	6.2	10
316	From elastomers to thermoplasts $\hat{\epsilon}$ Precise control of isotactic propylene structure and properties and the role of different structural elements in its mechanical behaviour. <i>Polymer</i> , 2017, 133, 213-222.	3.8	10
317	Positive effect of 1,8-diazabicyclo[5.4.0]undec-7-ene (DBU) on homogeneous photocatalytic reduction of CO ₂ . <i>Chemical Communications</i> , 2018, 54, 3323-3326.	4.1	10
318	(+)-Limonene Functionalization: Syntheses, Optimization, and Scale-up Procedures for Sustainable Polymer Building Blocks. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 15464-15477.	3.7	10
319	Surface Engineering of Silicon Quantum Dots: Does the Ligand Length Impact the Optoelectronic Properties of Light $\hat{\epsilon}$ Emitting Diodes?. <i>Advanced Photonics Research</i> , 2021, 2, 2100083.	3.6	10
320	Combining high activity with broad monomer scope: indium salan catalysts in the ring-opening polymerization of various cyclic esters. <i>Catalysis Science and Technology</i> , 2022, 12, 3295-3302.	4.1	10
321	Synthesis and structure of chiral palladium(II) complexes bearing ethylene-bridged bisindolyl- and bis(1,2,3,4-tetrahydroquinolyl) ligands. <i>Journal of Organometallic Chemistry</i> , 1996, 512, 243-251.	1.8	9
322	Dielectric relaxation of the alternating terpolymers of ethylene, propylene, and carbon monoxide. <i>Journal of Macromolecular Science - Physics</i> , 2002, 41, 99-116.	1.0	9
323	CO/Alkene Copolymers as a Promising Class of Biocompatible Materials, 2. <i>Macromolecular Bioscience</i> , 2003, 3, 131-135.	4.1	9
324	($\hat{\epsilon}$ Ferrocene-salaldiminato $\hat{\epsilon}$)zirconium Complexes for Ethylene Polymerization Catalysis: The Role of the Bulky Substituents. <i>Organometallics</i> , 2012, 31, 6741-6752.	2.3	9

#	ARTICLE	IF	CITATIONS
325	Photoinduced Polysiloxane Architectures from Spirosiloxane Precursors via Intramolecular Hydrosilylation. <i>ACS Macro Letters</i> , 2012, 1, 1204-1207.	4.8	9
326	High-Melting, Elastic Polypropylene: A One-Pot, One-Catalyst Strategy toward Propylene-Based Thermoplastic Elastomers. <i>Macromolecules</i> , 2018, 51, 914-929.	4.8	9
327	Charge transfer doping in functionalized silicon nanosheets/P3HT hybrid material for applications in electrolyte-gated field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7343-7352.	5.5	9
328	Solvent-Free Synthesis and Processing of Conductive Elastomer Composites for Green Dielectric Elastomer Transducers. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2100823.	3.9	9
329	Alkylmono(cyclopentadienyl)titanium Complexes Containing the 2,2'-Methylenebis(6-tert-butyl-4-methylphenoxido) Ligand - Studies on the Nature of the Catalytic Species Present in π -Olefin Polymerisation Processes. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 147-161.	2.0	8
330	Synthesis of 2,2,5,5-Tetrasubstituted 1,4-Dioxane-2,5-disilacyclohexanes via Organotin(IV)-Catalyzed Transesterification of (Acetoxymethyl)alkoxysilanes. <i>Chemistry - A European Journal</i> , 2013, 19, 4818-4825.	3.3	8
331	Surgical Approaches to the Lumbar Hidden Zone: Current Strategies and Future Directions. <i>EBioMedicine</i> , 2015, 2, 1005-1007.	6.1	8
332	Ni-Catalyzed Synthesis of Acrylic Acid Derivatives from CO ₂ and Ethylene. <i>Topics in Organometallic Chemistry</i> , 2015, , 199-223.	0.7	8
333	Activation of silicon surfaces for H ₂ evolution by electrografting of pyridine molecules. <i>Surface Science</i> , 2015, 631, 185-189.	1.9	8
334	Synthesis of Lewis Acidic, Aromatic Aminotroponimate Zinc Complexes for the Ring-Opening Polymerization of Cyclic Esters. <i>Inorganic Chemistry</i> , 2018, 57, 9931-9940.	4.0	8
335	Synthesis and Application of Functional Group-Bearing Pyridyl-Based Initiators in Rare Earth Metal-Mediated Group Transfer Polymerization. <i>Macromolecules</i> , 2020, 53, 4345-4354.	4.8	8
336	Thermally Induced Dehydrogenative Coupling of Organosilanes and H-Terminated Silicon Quantum Dots onto Germanane Surfaces. <i>Chemistry of Materials</i> , 2020, 32, 4536-4543.	6.7	8
337	Dinuclear [OSSO]-Fe complexes for the reaction of CO ₂ with epoxides. <i>Catalysis Science and Technology</i> , 2021, 11, 4702-4707.	4.1	8
338	Synthesis, Characterization and Polymerization Behavior of $\{(1R,1'S)-2-(5-fluorenyl)-1-(1',1'-biphenyl)-1-yl\}zirconium$ Dichloride. <i>Chemische Berichte</i> , 1997, 130, 747-751.	0.2	7
339	Functional poly(1,4-ketone)s with pendant hydroxy moieties, 2 Control of polymer properties by the use of functional monomers. <i>Macromolecular Chemistry and Physics</i> , 2000, 201, 2869-2878.	2.2	7
340	A New Class of Thermoplastic Elastic Polypropenes Prepared with a High Activity ϵ -Dual-Side ϵ -Zirconocene Catalyst. <i>Rubber Chemistry and Technology</i> , 2000, 73, 839-846.	1.2	7
341	Synthesis and Polymerization Performance of PdII Complexes of New 2-Hydroxyethyl-Substituted Diphosphane Ligands. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 3057-3062.	2.0	7
342	Effects of the chain microstructure on the properties of polyketones terpolymers characterized by scanning force microscopy. <i>European Polymer Journal</i> , 2004, 40, 905-916.	5.4	7

#	ARTICLE	IF	CITATIONS
343	CO-alkene polymers are biocompatible scaffolds for primary urothelial cells in vitro and in vivo. <i>BJU International</i> , 2007, 99, 447-453.	2.5	7
344	Oxychlorination of CO to phosgene in a three-step reaction cycle and corresponding catalytic mechanism. <i>Journal of Catalysis</i> , 2010, 270, 76-85.	6.2	7
345	Lamellar Diblock Copolymer Films with Embedded Maghemite Nanoparticles. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500712.	3.7	7
346	In situ IR-spectroscopy as a tool for monitoring the radical hydrosilylation process on silicon nanocrystal surfaces. <i>Nanoscale</i> , 2017, 9, 8489-8495.	5.6	7
347	Effects of Preoperative Simulation on Minimally Invasive Hybrid Lumbar Interbody Fusion. <i>World Neurosurgery</i> , 2017, 106, 578-588.	1.3	7
348	Single-site, Organometallic Aluminum Catalysts for the Precise Group Transfer Polymerization of Michael-type Monomers. <i>Chemistry - A European Journal</i> , 2018, 24, 14950-14957.	3.3	7
349	The influence of conjugated alkynyl(aryl) surface groups on the optical properties of silicon nanocrystals: photoluminescence through in-gap states. <i>Nanotechnology</i> , 2018, 29, 355705.	2.6	7
350	Functionalized and oxidized silicon nanosheets: Customized design for enhanced sensitivity towards relative humidity. <i>Sensors and Actuators B: Chemical</i> , 2019, 283, 451-457.	7.8	7
351	Application of multifunctional silylenes and siliranes as universal crosslinkers for metal-free curing of silicones. <i>Green Chemistry</i> , 2020, 22, 4489-4497.	9.0	7
352	Surface-anisotropic Janus Silicon Quantum Dots via Masking on 2D Silicon Nanosheets. <i>Advanced Materials</i> , 2021, 33, e2100288.	21.0	7
353	Carbon Dioxide as C-1 Block for the Synthesis of Polycarbonates. <i>Green Chemistry and Sustainable Technology</i> , 2014, , 163-200.	0.7	7
354	A Nanometric Probe of the Local Proton Concentration in Microtubule-Based Biophysical Systems. <i>Nano Letters</i> , 2022, 22, 517-523.	9.1	7
355	Phase behavior and mechanical properties of blends of cellulose propionate and an alternating propene-carbon monoxide copolymer. <i>Macromolecular Chemistry and Physics</i> , 1999, 200, 574-579.	2.2	6
356	Transition Metal-Catalyzed Polymerization in Aqueous Systems. , 2005, , 231-278.		6
357	Control of Ultrahigh Molecular Weight Polypropene Microstructures via Asymmetric "Dual-Side" Catalysts. <i>Macromolecular Symposia</i> , 2006, 236, 151-155.	0.7	6
358	Effect of stereoregularity on the structure and thermophysical characteristics of isotactic polypropylene. <i>Polymer Science - Series A</i> , 2008, 50, 1071-1081.	1.0	6
359	Nucleation and Crystallization of Low Isotactic Polypropylenes with Statistically Distributed Stereoerrors. <i>Polymer Journal</i> , 2009, 41, 993-1004.	2.7	6
360	Ionic Liquids in Transition Metal-Catalyzed Hydroformylation Reactions. <i>Topics in Organometallic Chemistry</i> , 2014, , 95-144.	0.7	6

#	ARTICLE	IF	CITATIONS
361	Synthesis of Diisocyanate-Containing Thiophenes and Their Use in PDMS-Based Segmented Polymers. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 59-71.	2.2	6
362	First clinical results of minimally invasive vector lumbar interbody fusion (MIS-VLIF) in spondylodiscitis and concomitant osteoporosis: a technical note. <i>European Spine Journal</i> , 2017, 26, 3147-3155.	2.2	6
363	Nicht-unschuldiger Methylen-Linker in verbrückten Lewis-Paaren-Initiatoren. <i>Angewandte Chemie</i> , 2019, 131, 9902-9906.	2.0	6
364	Expanding the Scope of Organic Radical Polymers to Polyvinylphosphonates Synthesized via Rare-Earth Metal-Mediated Group-Transfer Polymerization. <i>Macromolecules</i> , 2021, 54, 4089-4100.	4.8	6
365	In Situ Activation: Chances and Limitations to Form Ultrahigh Molecular Weight Syndiotactic Polypropylene with Metallocene Dichlorides. <i>Organometallics</i> , 0, , .	2.3	6
366	Wide-Gamut Blended Conjugated Polymer Microspheres. <i>Advanced Optical Materials</i> , 2021, 9, 2101788.	7.3	6
367	Ultrasensitive Picomolar Detection of Aqueous Acids in Microscale Fluorescent Droplets. <i>ACS Sensors</i> , 2022, 7, 245-252.	7.8	6
368	Metallocene-methyl aluminoxane catalysts for olefin polymerization. VIII. Infrared spectra of anisotactic polypropylene. <i>Journal of Polymer Science Part A</i> , 1990, 28, 2907-2915.	2.3	5
369	Novel blends of alternating propene-carbon monoxide copolymers and styrenic copolymers. <i>Polymer Bulletin</i> , 1999, 42, 611-618.	3.3	5
370	Impurity of Stem Cell Graft by Murine Embryonic Fibroblasts – Implications for Cell-Based Therapy of the Central Nervous System. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 257.	3.7	5
371	Oxasilacycles Leading to UV-Curable Polymers: Synthesis and Application. <i>Macromolecules</i> , 2014, 47, 8497-8505.	4.8	5
372	Synthesis of hydrocarbon-soluble, methyl-substituted highly branched polysilanes via the Wurtz-type reductive coupling of trifunctional trisilanes and their pyrolysis to silicon carbide. <i>RSC Advances</i> , 2015, 5, 87445-87455.	3.6	5
373	Adjustable Polyurethane Foam as Filling Material for a Novel Spondyloplasty: Biomechanics and Biocompatibility. <i>World Neurosurgery</i> , 2018, 112, e848-e858.	1.3	5
374	Studies on the Biocompatibility of Poly(diethyl vinylphosphonate) with a New Fluorescent Marker. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800259.	3.9	5
375	From lanthanide-mediated, high-precision group transfer polymerization of Michael-type monomers, to intelligent, functional materials. <i>European Polymer Journal</i> , 2020, 122, 109385.	5.4	5
376	C-H Bond Activation of Silyl-Substituted Pyridines with Bis(Phenolate)Yttrium Catalysts as a Facile Tool towards Hydroxyl-Terminated Michael-Type Polymers. <i>Catalysts</i> , 2020, 10, 448.	3.5	5
377	An Enantiomerically Pure Schiff Base Ligand. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1997, 53, 1458-1459.	0.4	4
378	Inhibition of a palladium(II) catalyst upon formation of a di- μ -chloro complex: di- μ -chloro-bis[1,2-bis(diphenylphosphino)ethane-P,Pa ²]dipalladium(II) bis(tetrafluoroborate) bis(deuterochloroform) solvate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2000, 56, e44-e45.	0.4	4

#	ARTICLE	IF	CITATIONS
379	THERMODYNAMIC PROPERTIES AND THERMOELASTIC BEHAVIOR OF THE ALTERNATING TERPOLYMERS OF ETHENE, PROPENE, AND CARBON MONOXIDE IN THE MELT STATE. <i>Journal of Macromolecular Science - Physics</i> , 2001, 40, 83-91.	1.0	4
380	Metal Complexes of the Tetradentate Ligands rac- and meso-N,P,P,N: Synthesis, Separation and Structural Characterization. <i>European Journal of Inorganic Chemistry</i> , 2002, 2002, 2625-2632.	2.0	4
381	Dialkoxy-Substituted, C ₁ -Symmetric Metallocenes: Synthesis and Catalytic Behavior in the Propylene Polymerization Reaction. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2004, 59, 233-240.	0.7	4
382	Two-Dimensional Assembly of Magnetic Binuclear Complexes: a Scanning Tunneling Microscopy Study. <i>Langmuir</i> , 2009, 25, 13606-13613.	3.5	4
383	Cover Picture: Transformation of Carbon Dioxide with Homogeneous Transition-Metal Catalysts: A Molecular Solution to a Global Challenge? (<i>Angew. Chem. Int. Ed.</i> 37/2011). <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8439-8439.	13.8	4
384	[Re(CO) ₃ Cl(C ₅ H ₄ ClP) ₂] and [Re(CO) ₂ Cl(C ₅ H ₄ ClP) ₃]: synthesis and characterization of two novel rhenium(κ^1) phosphinine complexes. <i>RSC Advances</i> , 2016, 6, 14134-14139.	3.6	4
385	Uniting Group-Transfer and Ring-Opening Polymerization [†] Block Copolymers from Functional Michael-Type Monomers and Lactones. <i>Macromolecules</i> , 2021, 54, 10860-10869.	4.8	4
386	Modular Assembly of Vibrationally and Electronically Coupled Rhenium Bipyridine Carbonyl Complexes on Silicon. <i>Journal of the American Chemical Society</i> , 2021, 143, 19505-19516.	13.7	4
387	<i>In situ</i> activation of green sorbents for CO ₂ capture upon end group backbiting. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 12293-12299.	2.8	4
388	High-Molecular-Weight Bisalkoxy-Substituted Poly(para)phenylenes by Kumada Polymerization. <i>Macromolecules</i> , 2022, 55, 5361-5370.	4.8	4
389	A dichloropalladium(II) complex with a mixed-donor bidentate ligand: dichloro[2-(diphenylphosphino)-1-(methylthio)ethane-P,S]palladium(II). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1999, 55, 188-190.	0.4	3
390	Viscoelastic Behavior Of The Regular Alternating Terpolymers Of Ethene And Propene With Carbon Monoxide. <i>Journal of Macromolecular Science - Physics</i> , 2003, 42, 293-305.	1.0	3
391	Highly Active Ethene Polymerization Catalysts with Unusual Imine Ligands. , 2005, , 59-99.		3
392	Copolymerization of Carbon Monoxide with Alkenes. , 2005, , 279-305.		3
393	Precise Chemical, Electronic, and Magnetic Structure of Binuclear Complexes Studied by Means of X-ray Spectroscopies and Theoretical Methods. <i>Journal of Physical Chemistry C</i> , 2011, 115, 25030-25039.	3.1	3
394	Formation of the gamma phase in oriented isotactic polypropylene with varying stereoregularity. <i>Polymer Science - Series A</i> , 2015, 57, 404-414.	1.0	3
395	Grafting Poly(3-hexylthiophene) from Silicon Nanocrystal Surfaces: Synthesis and Properties of a Functional Hybrid Material with Direct Interfacial Contact. <i>Angewandte Chemie</i> , 2016, 128, 7519-7523.	2.0	3
396	Space charge-limited current transport in thin films of alkyl-functionalized silicon nanocrystals. <i>Nanotechnology</i> , 2019, 30, 395201.	2.6	3

#	ARTICLE	IF	CITATIONS
397	Synthesis, characterisation and functionalisation of BAB-type dual-responsive nanocarriers for targeted drug delivery: evolution of nanoparticles based on 2-vinylpyridine and diethyl vinylphosphonate. <i>RSC Advances</i> , 2021, 11, 1586-1594.	3.6	3
398	Aryne-Annulated Porphyrazines as Synthons for Unsymmetrical Phthalocyanine-Related Macrocycles. <i>Macroheterocycles</i> , 2011, , 238-244.	0.5	3
399	Allyl group-containing polyvinylphosphonates as a flexible platform for the selective introduction of functional groups <i>via</i> polymer-analogous transformations. <i>RSC Advances</i> , 2021, 11, 38555-38564.	3.6	3
400	Revealing the Negative Capacitance Effect in Silicon Quantum Dot Light-Emitting Diodes via Temperature-Dependent Capacitance-Voltage Characterization. <i>IEEE Photonics Journal</i> , 2022, 14, 1-9.	2.0	3
401	Synthesis of a Triphenylphosphinimide-Substituted Silirane as a "Masked" Acyclic Silylene. <i>Inorganic Chemistry</i> , 2022, 61, 9983-9989.	4.0	3
402	Two-Photon Fluorescence in Red and Violet Conjugated Polymer Microspheres. <i>Inorganics</i> , 2022, 10, 101.	2.7	3
403	An alkylpalladium(II) complex with a bidentate phosphine ligand: [1,3-bis(diphenylphosphino)propane-P,P]dimethylpalladium(II) toluene hemisolvate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2000, 56, e42-e43.	0.4	2
404	The Alternating Copolymerization of Epoxides and Carbon Monoxide: A Novel Way to Polyesters. <i>ACS Symposium Series</i> , 2003, , 114-130.	0.5	2
405	Improved Liquid Crystal Mixtures for STN Displays. <i>Molecular Crystals and Liquid Crystals</i> , 2004, 411, 71-78.	0.9	2
406	Polymerization Catalysis in Liquid Propylene: High Activities and Molecular Weights in Propylene/CO Copolymerization Reactions. <i>Macromolecular Materials and Engineering</i> , 2004, 289, 672-675.	3.6	2
407	Well-Defined Transition Metal Catalysts for Metathesis Polymerization. , 2005, , 155-191.		2
408	Catalysis in Acyclic Diene Metathesis (ADMET) Polymerization. , 2005, , 193-229.		2
409	Employing Imine Macrocyclic Ligand in the Atom Transfer Radical Polymerization of Methyl Methacrylate. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2005, 42, 1047-1061.	2.2	2
410	Self-Assembly of Linear and Cyclic Siloxane-Containing Mesogens: Investigation of Layered Structures in Bulk and Thin Films. <i>ChemPhysChem</i> , 2011, 12, 3591-3603.	2.1	2
411	Macromol. Rapid Commun. 10/2016. <i>Macromolecular Rapid Communications</i> , 2016, 37, 876-876.	3.9	2
412	Enzymatic degradation of synthetic poly(3-hydroxybutyrate) as a tool for combinatorial microstructure determination. <i>Polymer Degradation and Stability</i> , 2017, 143, 176-185.	5.8	2
413	Sequential immobilization of ansa-hafnocene complexes for propene polymerization. <i>Journal of Organometallic Chemistry</i> , 2020, 909, 121075.	1.8	2
414	Precise Synthesis of Poly(dimethylsiloxane) Copolymers through C-H Bond-Activated Macroinitiators via Yttrium-Mediated Group Transfer Polymerization and Ring-Opening Polymerization. <i>Macromolecules</i> , 2020, 53, 8382-8392.	4.8	2

#	ARTICLE	IF	CITATIONS
415	2-(7,9-Diphenylcyclopenta[a]acenaphthadien-6b-yl)-2-phenylethanol. Acta Crystallographica Section C: Crystal Structure Communications, 1996, 52, 2910-2912.	0.4	1
416	Strategies for Catalytic Polymerization of Polar Monomers. , 2005, , 307-317.		1
417	Preparation and Characterization of Homo- and Co- Polymers of Some Vinyl Monomers via ATRP by Using Imine Macrocycle as Ligand. Journal of Macromolecular Science - Pure and Applied Chemistry, 2005, 42, 1329-1338.	2.2	1
418	Topology and nanomechanics of polyethylene networks. Nanotechnology, 2007, 18, 044013.	2.6	1
419	Homo- and Hetero-bimetallic Flexibly Linked Dinuclear Salphen Complexes Homo- and Hetero-bimetallic Flexibly Linked Dinuclear Salphen Complexes. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2012, 67, 614-620.	0.7	1
420	Surface-Initiated Group-Transfer Polymerization - A Catalytic Approach to Stimuli-Responsive Silicon Nanocrystal Hybrid Materials. Materials Research Society Symposia Proceedings, 2015, 1770, 13-18.	0.1	1
421	Synthesis and characterization of variously asymmetrically chloro-substituted disilanes and trisilanes - A new perspective on known compounds. Journal of Organometallic Chemistry, 2015, 794, 188-196.	1.8	1
422	Copolymerization of Alkenes and Polar Monomers by Early and Late Transition Metal Catalysts. , 2016, , .		1
423	Polysilanes, Polycarbosilanes, Dioxadisilacyclohexane, and Polysiloxanes. , 2016, , 275-293.		1
424	Surface- Anisotropic Janus Silicon Quantum Dots via Masking on 2D Silicon Nanosheets (Adv. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 T	21.9	1
425	Biobased Synthesis and Biodegradability of CO ₂ -Based Polycarbonates. Advances in Polymer Science, 2022, , 177-195.	0.8	1
426	Effect of Hofmeister Salts on the LCST of Poly(diethyl vinylphosphonate) and Poly(2-vinylpyridine)-block-diethyl vinylphosphonate). Macromolecular Chemistry and Physics, 2022, 223, .	2.2	1
427	High Yield Synthesis, Separation and Structural Characterization of New [N + N]-Polyazamacrocycles.. ChemInform, 2003, 34, no.	0.0	0
428	Nickel Polymerization Catalysts with Ylide Steering Ligands. , 2005, , 1-26.		0
429	Microstructure Control of Ethene Homopolymers Through Tailored Ni, Pd(II) Catalysts. , 2005, , 27-58.		0
430	Titelbild: Einfache heterolytische H ₂ -Aktivierung mit Aminen und B(C ₆ F ₅) ₃ (Angew. Chem. 32/2008). Angewandte Chemie, 2008, 120, 5945-5945.	2.0	0
431	Controllable Formation of MgCl ₂ -based Spherical Catalyst Support Precursors via Composites of Liquid Inorganics and Polymers. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2009, 64, 509-516.	0.7	0
432	Frontispiece: Metal-Catalyzed Group-Transfer Polymerization: A Versatile Tool for Tailor-Made Functional (Co)Polymers. Chemistry - A European Journal, 2018, 24, .	3.3	0

#	ARTICLE	IF	CITATIONS
433	Surface Engineering of Two-Dimensional Hydrogenated Silicon Nanosheets for Tailored Applications. Journal of Physics: Conference Series, 2018, 1092, 012080.	0.4	0
434	Single-Site, Organometallic Aluminum Catalysts for the Precise Group Transfer Polymerization of Michael-Type Monomers. Chemistry - A European Journal, 2018, 24, 14853-14853.	3.3	0
435	Silicon nanosheets as co-initiators for diaryliodonium induced radical and cationic polymerization. Nanotechnology, 2019, 30, 075602.	2.6	0
436	Polypropylene: Stereoblock. , 2001, , 7705-7708.		0
437	Elastomeric Homo-Polypropylene. , 2007, , 231-271.		0
438	Hafnocene-Based Olefin Polymerizations. Topics in Organometallic Chemistry, 2008, , .	0.7	0