

Minoru Terano

List of Publications by Year in descending order

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186265

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times ranked

1290
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Internal Donors on Raman and IR Spectroscopic Fingerprints of MgCl ₂ /TiCl ₄ Nanoclusters Determined by Machine Learning and DFT. <i>Materials</i> , 2022, 15, 909.	2.9	4
2	Computational Insights into the Multisite Nature of the Phillips CrO _x /SiO ₂ Catalyst for Ethylene Polymerization: The Perspective of Chromasiloxane Ring Size and F Modification. <i>ACS Catalysis</i> , 2022, 12, 3589-3603.	11.2	5
3	Dataset of energetically accessible structures of MgCl ₂ /TiCl ₄ clusters for Ziegler-Natta catalysts. <i>Data in Brief</i> , 2021, 34, 106654.	1.0	1
4	Solution-state NMR study of organic components of industrial Ziegler-Natta catalysts: Effect of by-products on catalyst performance. <i>Applied Catalysis A: General</i> , 2021, 611, 117971.	4.3	9
5	Insight into structural distribution of heterogeneous Ziegler-Natta catalyst from non-empirical structure determination. <i>Journal of Catalysis</i> , 2021, 394, 299-306.	6.2	15
6	Particle engineering of magnesium ethoxide-based Ziegler-Natta catalyst through post-modification of magnesium ethoxide. <i>Applied Catalysis A: General</i> , 2021, 626, 118337.	4.3	3
7	Formation of Highly Active Ziegler-Natta Catalysts Clarified by a Multifaceted Characterization Approach. <i>ACS Catalysis</i> , 2021, 11, 13782-13796.	11.2	23
8	Structure-performance relationship of Mg(OEt) ₂ -based Ziegler-Natta catalysts. <i>Journal of Catalysis</i> , 2020, 389, 525-532.	6.2	23
9	Revisiting the identity of $\hat{\Gamma}$ -MgCl ₂ : Part II. Morphology and exposed surfaces studied by vibrational spectroscopies and DFT calculation. <i>Journal of Catalysis</i> , 2020, 387, 1-11.	6.2	25
10	Revisiting the identity of $\hat{\Gamma}$ -MgCl ₂ : Part I. Structural disorder studied by synchrotron X-ray total scattering. <i>Journal of Catalysis</i> , 2020, 385, 76-86.	6.2	51
11	Development of Large-Scale Stopped-Flow Technique and its Application in Elucidation of Initial Ziegler-Natta Olefin Polymerization Kinetics. <i>Polymers</i> , 2019, 11, 1012.	4.5	12
12	Machine Learning-Aided Structure Determination for TiCl ₄ -Capped MgCl ₂ Nanoplate of Heterogeneous Ziegler-Natta Catalyst. <i>ACS Catalysis</i> , 2019, 9, 2599-2609.	11.2	46
13	Truxillic and truxinic acid-based, bio-derived diesters as potent internal donor in Ziegler-Natta catalyst for propylene polymerization. <i>Applied Catalysis A: General</i> , 2018, 554, 80-87.	4.3	18
14	Synthesis of aryloxy-containing half-titanocene catalysts grafted to soluble polynorbornene chains and their application in ethylene polymerization: Integration of multiple active centres in a random coil. <i>Journal of Catalysis</i> , 2018, 357, 69-79.	6.2	8
15	High-precision Molecular Modelling for Ziegler-Natta Catalysts. <i>Journal of the Japan Petroleum Institute</i> , 2018, 61, 182-190.	0.6	9
16	High-Throughput Synthesis of Support Materials for Olefin Polymerization Catalyst. <i>ACS Combinatorial Science</i> , 2017, 19, 331-342.	3.8	23
17	The influence of functional groups on the ethylene polymerization performance of silsesquioxane-supported Phillips-type catalysts. <i>Dalton Transactions</i> , 2017, 46, 12158-12166.	3.3	7
18	Chemisorption-Induced Activation of MgCl ₂ Film as Realistic Route for Heterogeneous Ziegler-Natta Surfaces under Ultrahigh Vacuum. <i>Journal of Physical Chemistry C</i> , 2017, 121, 24085-24092.	3.1	2

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19	Origin of Chemical Composition of Ethylene/Propylene Copolymer Produced with Ziegler-Natta Catalyst. <i>Macromolecular Reaction Engineering</i> , 2017, 11, 1600038.	1.5	5
20	Well-Defined Polypropylene/Polypropylene-Grafted Silica Nanocomposites: Roles of Number and Molecular Weight of Grafted Chains on Mechanistic Reinforcement. <i>Polymers</i> , 2016, 8, 300.	4.5	28
21	A Comparison of the Influence of Temperature During Slurry and Gas Phase Propylene Polymerization on Ziegler-Natta Catalyst. <i>Macromolecular Symposia</i> , 2016, 370, 41-51.	0.7	3
22	Alternation of Pore Architecture of Ziegler-Natta Catalysts through Modification of Magnesium Ethoxide. <i>Macromolecular Reaction Engineering</i> , 2015, 9, 325-332.	1.5	26
23	New Reactor Granule Technology for Highly Filled Nanocomposites: Effective Flame Retardation of Polypropylene/Magnesium Hydroxide Nanocomposites. <i>Macromolecular Materials and Engineering</i> , 2015, 300, 679-683.	3.6	20
24	New Quenching Method for Improving Large-Scale Stopped-Flow Technique. <i>Macromolecular Reaction Engineering</i> , 2014, 8, 766-770.	1.5	8
25	Graft polycondensation of microfibrillated jute cellulose with oligo(L-lactic acid) and its properties. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	9
26	Multilateral characterization for industrial Ziegler-Natta catalysts toward elucidation of structure-performance relationship. <i>Journal of Catalysis</i> , 2014, 311, 33-40.	6.2	61
27	Understanding the Chemical and Physical Transformations of a Ziegler-Natta Catalyst at the Initial Stage of Polymerization Kinetics: The Key Role of Alkylaluminum in the Catalyst Activation Process. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 1698-1706.	2.2	23
28	The effect of the addition of polypropylene-grafted SiO ₂ nanoparticle on the thermal conductivity of isotactic polypropylene. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 117, 1397-1405.	3.6	11
29	MgO/MgCl ₂ /TiCl ₄ Core-Shell Catalyst for Establishing Structure-Performance Relationship in Ziegler-Natta Olefin Polymerization. <i>Topics in Catalysis</i> , 2014, 57, 911-917.	2.8	20
30	Structure-Performance Relationship for Dialkyldimethoxysilane as an External Donor in Stopped-Flow Propylene Polymerization Using a Ziegler-Natta Catalyst. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 1721-1727.	2.2	13
31	Syndiotactic polypropylene/microfibrous cellulose composites: Effect of filler size on tensile properties. <i>Journal of Applied Polymer Science</i> , 2013, 128, 915-922.	2.6	12
32	The effect of the addition of polypropylene grafted SiO ₂ nanoparticle on the crystallization behavior of isotactic polypropylene. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 113, 1511-1519.	3.6	36
33	The Use of Donors to Increase the Isotacticity of Polypropylene. <i>Advances in Polymer Science</i> , 2013, , 81-97.	0.8	37
34	Additive effects of tripalmitin on morphologies and tensile properties of polybutene-1 and its composite with micro fibrous cellulose. <i>Polymer Bulletin</i> , 2013, 70, 1383-1395.	3.3	4
35	Ethylene/1-Hexene Copolymerization with A Novel SiO ₂ -Supported Inorganic and Organic Hybrid Chromium-based Catalyst. <i>Macromolecular Reaction Engineering</i> , 2013, 7, 254-266.	1.5	17
36	Precise Active Site Analysis for TiCl ₃ /MgCl ₂ Ziegler-Natta Model Catalyst Based on Fractionation and Statistical Methods. <i>Catalysts</i> , 2013, 3, 137-147.	3.5	15

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37	Dual-Active-Site Nature of Magnesium Dichloride-Supported Cyclopentadienyl Titanium Chloride Catalysts Switched by an Activator in Propylene Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 1011-1018.	2.2	2
38	Development of a Hetero-Bimetallic Phillips-Type Catalyst for Ethylene Polymerization. <i>Macromolecular Reaction Engineering</i> , 2013, 7, 668-673.	1.5	11
39	Model Catalysts for Clarification of Active Site-Polymer Relationship in Heterogeneous Olefin Polymerization. <i>Macromolecular Symposia</i> , 2012, 313-314, 1-7.	0.7	12
40	Coadsorption model for first-principle description of roles of donors in heterogeneous Ziegler-Natta propylene polymerization. <i>Journal of Catalysis</i> , 2012, 293, 39-50.	6.2	102
41	Structure-performance relationship in Ziegler-Natta olefin polymerization with novel core-shell MgO/MgCl ₂ /TiCl ₄ catalysts. <i>Catalysis Communications</i> , 2012, 27, 13-16.	3.3	19
42	Chemical modification of silica support to improve the branching ability of Phillips catalyst. <i>Pure and Applied Chemistry</i> , 2012, 85, 533-541.	1.9	3
43	Critical Role of Spherulite Structure on Behavior of Stabilizers in Poly(propylene) Stabilization. <i>Macromolecular Symposia</i> , 2012, 312, 146-156.	0.7	5
44	Development of a Large-Scale Stopped-Flow System for Heterogeneous Olefin Polymerization Kinetics. <i>Macromolecular Reaction Engineering</i> , 2012, 6, 275-279.	1.5	16
45	Vanadium-Modified Bimetallic Phillips Catalyst With High Branching Ability for Ethylene Polymerization. <i>Macromolecular Reaction Engineering</i> , 2012, 6, 346-350.	1.5	16
46	Active Site Transformation During the Induction Period of Ethylene Polymerization over the Phillips CrO _x /SiO ₂ Catalyst. <i>ChemCatChem</i> , 2012, 4, 872-881.	3.7	29
47	Effects of crystal phase transformation on tensile properties of polybutene-1/cellulose composites. <i>Journal of Applied Polymer Science</i> , 2012, 123, 41-49.	2.6	5
48	Influences of polypropylene grafted to SiO ₂ nanoparticles on the crystallization behavior and mechanical properties of polypropylene/SiO ₂ nanocomposites. <i>Polymer Bulletin</i> , 2012, 68, 1093-1108.	3.3	23
49	Comprehensive Investigation of Catalyst Structure and Polymerization Conditions for Chain Branching in Ethylene Polymerization with Phillips-Type Catalysts. <i>Macromolecular Reaction Engineering</i> , 2011, 5, 332-339.	1.5	13
50	Effects of Ti oxidation state on ethylene, 1-hexene comonomer polymerization by MgCl ₂ -supported Ziegler-Natta catalysts. <i>Polymer Bulletin</i> , 2011, 67, 1979-1989.	3.3	19
51	Kinetic elucidation of comonomer-induced chemical and physical activation in heterogeneous ziegler-natta propylene polymerization. <i>Journal of Polymer Science Part A</i> , 2011, 49, 4005-4012.	2.3	19
52	Preparation of polybutene-1/multiwall carbon nanotube composite by oxidation and limonene radical grafting and its characterization. <i>Polymer International</i> , 2011, 60, 1614-1623.	3.1	3
53	Initial Particle Morphology Development in Ziegler-Natta Propylene Polymerization Tracked with Stopped-Flow Technique. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 723-729.	2.2	31
54	Effect of chemical structure of silane coupling agent on interface adhesion properties of syndiotactic polypropylene/cellulose composite. <i>Journal of Applied Polymer Science</i> , 2011, 119, 1732-1741.	2.6	38

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55	Interface adhesion properties of syndiotactic polypropylene/cellulose group composite: Relationship between chemical structure of coupling agent and reactivity for cellulose group. <i>Journal of Applied Polymer Science</i> , 2011, 122, 2798-2806.	2.6	10
56	Similarities and Differences of the Active Sites in Basic and Advanced MgCl ₂ -Supported Ziegler-Natta Propylene Polymerization Catalysts. <i>Macromolecular Reaction Engineering</i> , 2010, 4, 510-515.	1.5	22
57	Effects of molecular dispersion state of surface Ti species on ethylene-propylene copolymerization with TiCl ₃ -based Ziegler-Natta model catalyst. <i>Macromolecular Research</i> , 2010, 18, 834-838.	2.4	10
58	Role of dispersion state of ti species in deactivation of MgCl ₂ -supported Ziegler-Natta catalysts. <i>Macromolecular Research</i> , 2010, 18, 839-844.	2.4	19
59	Novel modification of polybutene-1 using auto-oxidation controlled by addition of limonene monomer. <i>Polymer International</i> , 2010, 59, 463-471.	3.1	7
60	Preparation of modified polybutene-1 by oxidation and limonene radical grafting using an Nd ₂ O ₃ -assisted radical initiator system and its characterization. <i>Polymer International</i> , 2010, 59, 1673-1682.	3.1	8
61	Kinetic and Morphological Investigation on the Magnesium Ethoxide-Based Ziegler-Natta Catalyst for Propylene Polymerization Using Typical External Donors. <i>Macromolecular Symposia</i> , 2009, 285, 52-57.	0.7	10
62	Effect of stereoregularity of polypropylene on flow instability in capillary extrusion. <i>Advances in Polymer Technology</i> , 2009, 28, 185-191.	1.7	11
63	A Density Functional Study on the Influence of the Molecular Flexibility of Donors on the Insertion Barrier and Stereoselectivity of Ziegler-Natta Propylene Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 2188-2193.	2.2	19
64	Propylene Polymerization Performance of Isolated and Aggregated Ti Species Studied Using a Well-Designed TiCl ₃ /MgCl ₂ Ziegler-Natta Model Catalyst. <i>Macromolecular Rapid Communications</i> , 2009, 30, 887-891.	3.9	48
65	Cellulose/polypropylene composites: Influence of the molecular weight and concentration of oxidatively degraded and maleated polypropylene compatibilizers on tensile behavior. <i>Journal of Applied Polymer Science</i> , 2009, 111, 1835-1841.	2.6	15
66	Copolymerization of ethylene and cyclopentene with the Phillips CrO ₂ /SiO ₂ catalyst in the presence of an aluminum alkyl cocatalyst. <i>Journal of Applied Polymer Science</i> , 2009, 111, 1869-1877.	2.6	21
67	Cellulose/syndiotactic polypropylene composites: Effects of maleated polypropylene as a compatibilizer and silanized cellulose on the morphology and tensile properties. <i>Journal of Applied Polymer Science</i> , 2009, 113, 2022-2029.	2.6	12
68	Kinetic and morphological study of a magnesium ethoxide-based Ziegler-Natta catalyst for propylene polymerization. <i>Polymer International</i> , 2009, 58, 40-45.	3.1	41
69	New Quenching Procedure for Preservation of Initial Polymer/Catalyst Particle Morphology in Ziegler-Natta Olefin Polymerization. <i>Macromolecular Reaction Engineering</i> , 2009, 3, 467-472.	1.5	11
70	CRYSTAF Analysis of Polyethylene Synthesized with Phillips Catalyst. <i>Macromolecular Symposia</i> , 2009, 285, 74-80.	0.7	6
71	External Donor Induced Direct Contact Effects on Mg(OC ₂ H ₅) ₂ -Based Ziegler-Natta Catalysts for Propylene Polymerization. <i>Macromolecular Symposia</i> , 2009, 285, 115-120.	0.7	10
72	Preparation and Characterization of Cellulose/Polypropylene Composite Using an Oxidatively Degraded Polypropylene. <i>Journal of Polymers and the Environment</i> , 2008, 16, 267-275.	5.0	7

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73	Reductive Formation of Isospecific Ti Dinuclear Species on a MgCl ₂ (110) Surface in Heterogeneous Ziegler-Natta Catalysts. <i>Macromolecular Rapid Communications</i> , 2008, 29, 1472-1476.	3.9	49
74	Effects of bulk morphology on the mechanical properties of melt-blended PP/PS blends. <i>Journal of Applied Polymer Science</i> , 2008, 109, 211-217.	2.6	12
75	Thermal and Photooxidative Degradation Behaviors of Poly(propylene)/SiO ₂ Nanocomposites with Various Polymer Morphologies. <i>Macromolecular Reaction Engineering</i> , 2008, 2, 135-141.	1.5	12
76	Effects of various poisoning compounds on the activity and stereospecificity of heterogeneous Ziegler-Natta catalyst. <i>Science and Technology of Advanced Materials</i> , 2008, 9, 024402.	6.1	14
77	Degradation behavior of polymer blend of isotactic polypropylenes with and without unsaturated chain end group. <i>Science and Technology of Advanced Materials</i> , 2008, 9, 024401.	6.1	13
78	Additional Effect of SEBS on Dynamic Mechanical Properties in iPP/aPS Blends. <i>Nihon Reorji Gakkaishi</i> , 2008, 36, 29-34.	1.0	0
79	Density Functional Calculations for Electronic and Steric Effects of Ethyl Benzoate on Various Ti Species in MgCl ₂ -Supported Ziegler-Natta Catalysts. <i>Macromolecular Symposia</i> , 2007, 260, 98-106.	0.7	19
80	Experimental and Computational Approaches on the Isospecific Role of Monoester-Type Internal Electron Donor for TiCl ₄ /MgCl ₂ Ziegler-Natta Catalysts. <i>Macromolecular Symposia</i> , 2007, 260, 42-48.	0.7	14
81	Hydrogen Effects for Propylene Polymerization with Ultra Low TiCl ₃ Loading MgCl ₂ -Supported Catalyst. <i>Macromolecular Symposia</i> , 2007, 260, 179-183.	0.7	13
82	Coadsorption and Support-Mediated Interaction of Ti Species with Ethyl Benzoate in MgCl ₂ -Supported Heterogeneous Ziegler-Natta Catalysts Studied by Density Functional Calculations. <i>Macromolecular Rapid Communications</i> , 2007, 28, 1918-1922.	3.9	66
83	Effects of Hydrogen for Different Stereospecific Active Sites on Ultra Low TiCl ₃ Loading Supported Catalyst. <i>Macromolecular Reaction Engineering</i> , 2007, 1, 160-164.	1.5	21
84	High temperature polymerization of propylene catalyzed by MgCl ₂ -supported Ziegler-Natta catalyst with various cocatalysts. <i>Journal of Applied Polymer Science</i> , 2006, 100, 1978-1982.	2.6	6
85	Local thermal degradation behavior of heterophasic polypropylene copolymers. <i>Journal of Applied Polymer Science</i> , 2006, 100, 1831-1835.	2.6	10
86	Homogeneously Dispersed Poly(propylene)/SiO ₂ Nanocomposites with Unprecedented Transparency. <i>Macromolecular Rapid Communications</i> , 2006, 27, 910-913.	3.9	33
87	Plausible Mechanism for the Formation and Transformation of Active Sites on Novel Phillips Type Catalyst with New Organo-siloxane Ligand. <i>Studies in Surface Science and Catalysis</i> , 2006, 161, 225-228.	1.5	4
88	Effects of Silica Particles on the Transparency of Polypropylene Based Nanocomposites. <i>Studies in Surface Science and Catalysis</i> , 2006, 161, 237-240.	1.5	2
89	Effects of Electron Donors on Active Sites Distribution of MgCl ₂ -Supported Ziegler-Natta Catalysts Investigated by Multiple Active Sites Model. <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 961-966.	2.2	39
90	Effects of Various Preparation and Polymerization Procedures on the Isospecific Nature of TiCl ₃ -Based Polypropylene Catalysts. <i>Polymer Bulletin</i> , 2005, 54, 225-236.	3.3	7

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91	Dependence of tacticity distribution in thermal oxidative degradation of polypropylene. <i>Polymer Bulletin</i> , 2005, 54, 311-319.	3.3	26
92	Influence of primary structure on thermal oxidative degradation of polypropylene impact copolymer. <i>Polymer Bulletin</i> , 2005, 55, 141-147.	3.3	6
93	Ethylene and 1-hexene copolymerization with CO-prereduced phillips CrOx/SiO ₂ catalyst in the presence of Al-alkyl cocatalyst. <i>Journal of Polymer Science Part A</i> , 2005, 43, 4632-4641.	2.3	33
94	Plausible guard effect on the active sites of heterogeneous Ziegler-Natta catalyst by coordinating monomers and growing polymer chains in the initial stage of propene polymerization. <i>Polymer International</i> , 2004, 53, 723-727.	3.1	8
95	Direct Observation of Poly(propylene)-block-Poly(ethylene-co-propylene) Molecules by Atomic Force Microscopy. <i>Macromolecular Chemistry and Physics</i> , 2004, 205, 179-186.	2.2	11
96	Surface physico-chemical state of CO-prereduced Phillips CrOx/SiO ₂ catalyst and unique polymerization behavior in the presence of Al-alkyl cocatalyst. <i>Macromolecular Symposia</i> , 2004, 213, 37-46.	0.7	25
97	Precise arguments on the distribution of stereospecific active sites on MgCl ₂ -supported ziegler-natta catalysts. <i>Macromolecular Symposia</i> , 2004, 213, 7-18.	0.7	43
98	New Approaches for the Development of Highly Stable Polypropylene. <i>Macromolecular Symposia</i> , 2004, 214, 299-306.	0.7	5
99	Morphology and Mechanical Properties of Quenched Polypropylene/SiO ₂ Nanocomposite Films. <i>Seikei-Kakou</i> , 2004, 16, 617-622.	0.0	1
100	Stereospecific Nature of Active Sites on TiCl ₄ /MgCl ₂ Ziegler-Natta Catalyst in the Presence of an Internal Electron Donor. <i>Macromolecular Chemistry and Physics</i> , 2003, 204, 395-402.	2.2	91
101	Stepwise polymerization of propylene and ethylene with Cr(acetylacetonate) ₃ /MgCl ₂ -ethylbenzoate/diethylaluminium chloride catalyst system. <i>Polymer International</i> , 2003, 52, 29-34.	3.1	6
102	Kinetic evaluation of various isospecific active sites on MgCl ₂ -supported Ziegler catalysts. <i>Macromolecular Symposia</i> , 2003, 193, 71-80.	0.7	29
103	Specific Roles of Al-Alkyl Cocatalyst in the Origin of Isospecificity of Active Sites on Donor-Free TiCl ₄ /MgCl ₂ Ziegler-Natta Catalyst. <i>Macromolecular Chemistry and Physics</i> , 2002, 203, 2412-2421.	2.2	62
104	Improvement of the photostability of isotactic polypropylene by the incorporation of ethylene. <i>Journal of Applied Polymer Science</i> , 2002, 86, 1863-1867.	2.6	15
105	Influence of electron donors on the initial stage of cyclopolymerization of 1,5-hexadiene with MgCl ₂ -supported Ziegler catalysts analyzed by temperature rising elution fractionation. <i>Journal of Applied Polymer Science</i> , 2002, 83, 2976-2983.	2.6	4
106	Active sites deterioration of MgCl ₂ -supported catalyst induced by the electron donor extraction by alkylaluminium. <i>Polymer International</i> , 2002, 51, 781-784.	3.1	20
107	Kinetic investigation of propene polymerization with stopped-flow method. <i>Macromolecular Symposia</i> , 2001, 165, 3-10.	0.7	12
108	Basic characterization of polypropene-block-poly(methylene-1,3-cyclopentane-co-propene) synthesized from propene and 1,5-hexadiene with modified stopped-flow method. <i>Polymer International</i> , 2001, 50, 568-571.	3.1	11

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109	Variation in the Isospecific Active Sites of Internal Donor-Free MgCl ₂ -Supported Ziegler Catalysts: Effect of External Electron Donors. <i>Macromolecular Rapid Communications</i> , 2001, 22, 326-328.	3.9	62
110	High resolution transmission electron microscope observation of industrial high performance Ziegler catalysts. <i>Macromolecular Chemistry and Physics</i> , 2000, 201, 2789-2798.	2.2	13
111	Deviation of hydrogen response during propylene polymerization with various Ziegler-Natta catalysts. <i>Journal of Molecular Catalysis A</i> , 1999, 145, 211-220.	4.8	20
112	Characterization and properties of polypropylene-block-poly(ethylene-co-propylene) synthesized by short-period polymerization. <i>Journal of Applied Polymer Science</i> , 1999, 74, 958-964.	2.6	8
113	Kinetic investigation of the active sites precursors on MgCl ₂ -supported Ziegler catalyst through interaction with a Lewis base. <i>Macromolecular Chemistry and Physics</i> , 1998, 199, 55-59.	2.2	5
114	Microstructural characterization of polypropene surfaces using grazing incidence X-ray diffraction. <i>Macromolecular Chemistry and Physics</i> , 1998, 199, 261-266.	2.2	15
115	Multiplicity of molecular weight distribution of polyethylene produced with modified-polypropene-supported Ziegler catalyst systems. <i>Macromolecular Chemistry and Physics</i> , 1998, 199, 393-399.	2.2	15
116	Stopped-flow study of the interaction of MgCl ₂ -supported Ziegler catalyst with (Me) _n Si(OEt) _{4-n} : a tool for understanding the active sites precursors and the correlation to stereospecificity. <i>Macromolecular Chemistry and Physics</i> , 1998, 199, 613-618.	2.2	34
117	Polyolefin-supported homogeneous titanium based Ziegler catalyst for the production of polyethylene with narrow molecular weight distribution. <i>Macromolecular Chemistry and Physics</i> , 1998, 199, 1765-1770.	2.2	8
118	Determination of titanium distribution on the catalyst surface of industrial supported Ziegler catalysts by means of scanning Auger electron microscopy. <i>Macromolecular Chemistry and Physics</i> , 1998, 199, 2709-2715.	2.2	16
119	Blood-contacting properties of polypropylene surfaces. <i>Journal of Artificial Organs</i> , 1998, 1, 4-9.	0.9	2
120	Mechanistic aspects of blood-contacting properties of polypropylene surfaces -from the viewpoint of macromolecular entanglement and hydrophobic interaction via water molecules. <i>Journal of Biomaterials Science, Polymer Edition</i> , 1998, 9, 543-559.	3.5	12
121	Double-stimuli-responsive degradation of hydrogels consisting of oligopeptide-terminated poly(ethylene glycol) and dextran with an interpenetrating polymer network. <i>Journal of Biomaterials Science, Polymer Edition</i> , 1997, 8, 691-708.	3.5	35
122	Blood compatibility of polypropylene surfaces in relation to the crystalline-amorphous microstructure. <i>Journal of Biomaterials Science, Polymer Edition</i> , 1997, 8, 859-877.	3.5	23
123	Tensile and flexural behavior of polypropene sheets with different crystallinities of surface layer. <i>Angewandte Makromolekulare Chemie</i> , 1997, 253, 201-210.	0.2	1
124	Kinetic study of isospecific active sites formed by various alkylaluminiums on MgCl ₂ -supported Ziegler catalyst at the initial stage of propene polymerization. <i>Macromolecular Chemistry and Physics</i> , 1997, 198, 1249-1255.	2.2	32
125	PdCl ₂ -induced chain transfer reaction by hydrogen at the initial stage of propene polymerization with MgCl ₂ -supported Ziegler catalyst. <i>Macromolecular Chemistry and Physics</i> , 1997, 198, 2499-2504.	2.2	9
126	Investigation of a fine-grain MgCl ₂ -supported Ziegler catalyst by stopped-flow propene polymerization: Model for the formation of active sites induced by catalyst fragmentation during polymerization. <i>Macromolecular Chemistry and Physics</i> , 1997, 198, 3207-3214.	2.2	22

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127	Thermal stability of syndiotactic polypropene. <i>Macromolecular Rapid Communications</i> , 1997, 18, 157-161.	3.9	26
128	Effect of stereoregularity on the thermo-oxidative degradation of poly(propylene)s estimated by chemiluminescence. <i>Macromolecular Rapid Communications</i> , 1997, 18, 667-671.	3.9	17
129	H ₂ -D ₂ exchange reaction with MgCl ₂ -supported Ziegler catalyst by stopped-flow method. <i>Macromolecular Chemistry and Physics</i> , 1996, 197, 895-900.	2.2	21
130	Characterization of the differences in the crystallinity from surface to bulk of compression-molded polypropene sheets using attenuated total reflection fourier-transform IR spectroscopy. <i>Macromolecular Chemistry and Physics</i> , 1996, 197, 3523-3530.	2.2	10
131	Ethene polymerization with modified-polypropene-supported highly stable Ziegler catalyst. <i>Macromolecular Rapid Communications</i> , 1996, 17, 25-29.	3.9	12
132	Thermally switchable polyrotaxane as a model of stimuli-responsive supramolecules for nano-scale devices. <i>Macromolecular Rapid Communications</i> , 1996, 17, 509-515.	3.9	71
133	Title is missing!. <i>Angewandte Makromolekulare Chemie</i> , 1996, 243, 87-98.	0.2	7
134	Synthesis of polypropene-block-poly(ethylene-co-propene) by short-period polymerization with MgCl ₂ -supported Ziegler catalyst. <i>Macromolecular Rapid Communications</i> , 1995, 16, 247-252.	3.9	17
135	Synthesis of a biodegradable polymeric supramolecular assembly for drug delivery. <i>Macromolecular Rapid Communications</i> , 1995, 16, 259-263.	3.9	81
136	Study of the chain transfer reaction by hydrogen in the initial stage of propene polymerization. <i>Macromolecular Rapid Communications</i> , 1995, 16, 651-657.	3.9	40
137	Doublestimuli-responsive degradable hydrogels for drug delivery: Interpenetrating polymer networks composed of oligopeptide-terminated poly(ethylene glycol) and dextran. <i>Macromolecular Rapid Communications</i> , 1995, 16, 663-666.	3.9	28
138	A study on the states of ethyl benzoate and TiCl ₄ in MgCl ₂ -supported high-yield catalysts. <i>Die Makromolekulare Chemie</i> , 1987, 188, 1477-1487.	1.1	49