

Rolf MÃ¼hlhaupt

List of Publications by Year in descending order

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258
papers

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8181

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270
all docs

270
docs citations

270
times ranked

20730
citing authors

#	ARTICLE	IF	CITATIONS
1	Closing the Carbon Loop in the Circular Plastics Economy. <i>Macromolecular Rapid Communications</i> , 2022, 43, .	3.9	21
2	Cryogenic 3D Printing of Hierarchically Porous Polyhydroxymethylene Scaffolds for Hard Tissue Regeneration. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2000541.	3.6	9
3	Quasiliving cationic ring-opening polymerization of 2-ethyl-2-oxazoline in benzotrifluoride, as an alternative reaction medium. <i>Polymer</i> , 2021, 212, 123165.	3.8	8
4	Polymer Dynamics in Nanostructured Environments: Structure-Property Relations Unraveled by Dielectric Spectroscopy. <i>ACS Symposium Series</i> , 2021, , 223-238.	0.5	1
5	Digitally Tuned Multidirectional All-Polyethylene Composites via Controlled 1D Nanostructure Formation during Extrusion-Based 3D Printing. <i>ACS Applied Polymer Materials</i> , 2021, 3, 1675-1686.	4.4	11
6	Low Warpage Nanophase-Separated Polypropylene/Olefinic Elastomer Reactor Blend Composites with Digitally Tuned Glass Fiber Orientation by Extrusion-Based Additive Manufacturing. <i>ACS Applied Polymer Materials</i> , 2021, 3, 2070-2081.	4.4	15
7	Functionalized acrylic polyhydroxy urethanes as molecular tool box for photocurable thermosets and 3D printing. <i>Journal of Polymer Science</i> , 2021, 59, 882-892.	3.8	8
8	Nickel nanoparticle-decorated reduced graphene oxide/WO ₃ nanocomposite – a promising candidate for gas sensing. <i>Beilstein Journal of Nanotechnology</i> , 2021, 12, 343-353.	2.8	14
9	Selected gas response measurements using reduced graphene oxide decorated with nickel nanoparticles. <i>Nano Materials Science</i> , 2021, 3, 412-419.	8.8	5
10	Self-Reinforcement via 1D Nanostructure Formation during Melt Blending of Thermoplastics and Thermoplastic Elastomers with Nanophase-Separated UHMWPE/HDPE Wax Reactor Blends. <i>ACS Applied Polymer Materials</i> , 2021, 3, 3455-3464.	4.4	6
11	Small-Molecule Investigation of Diels-Alder Complexes for Thermoreversible Crosslinking in Polymeric Applications. <i>Journal of Organic Chemistry</i> , 2021, 86, 8933-8944.	3.2	3
12	Nanoconfined Crosslinked Poly(ionic liquid)s with Unprecedented Selective Swelling Properties Obtained by Alkylation in Nanophase-Separated Poly(1-vinylimidazole)-l-poly(tetrahydrofuran) Conetworks. <i>Polymers</i> , 2020, 12, 2292.	4.5	17
13	Tailoring Poly(2-oxazoline)-Based Polymeric Ionic Liquids as Thermoresponsive Molecular Brushes and Programmable Dispersants for Silver Nanoparticles. <i>Macromolecules</i> , 2020, 53, 6703-6710.	4.8	11
14	Lysine-Functionalized Gibbsite Nanoplatelet Dispersions for Nonisocyanate Polyhydroxyurethane Nanocomposites and Translucent Coatings. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 2000217.	3.6	9
15	Pandemic-Driven Development of a Medical-Grade, Economic and Decentralized Applicable Polyolefin Filament for Additive Fused Filament Fabrication. <i>Molecules</i> , 2020, 25, 5929.	3.8	9
16	Synthesis of Tosyl- and Nosyl-Ended Polyisobutylenes with High Extent of Functionalities: The Effect of Reaction Conditions. <i>Polymers</i> , 2020, 12, 2504.	4.5	5
17	Cellular, Mineralized, and Programmable Cellulose Composites Fabricated by 3D Printing of Aqueous Pastes Derived from Paper Wastes and Microfibrillated Cellulose. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 1900740.	3.6	9
18	Polyhydroxymethylenes as Multifunctional High Molecular Weight Sugar Alcohols Tailored for 3D Printing and Medical Applications. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 2000132.	2.2	5

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19	Graphenated Ceramic Particles as Functional Fillers for Nonisocyanate Polyhydroxyurethane Composites. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 2000203.	3.6	8
20	Low-Viscosity Limonene Dimethacrylate as a Bio-Based Alternative to Bisphenol A-Based Acrylic Monomers for Photocurable Thermosets and 3D Printing. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 2000210.	3.6	14
21	Ultra-broad molecular weight distribution effects on viscoelastic properties of linear multimodal PE. <i>Journal of Rheology</i> , 2019, 63, 773-784.	2.6	13
22	Fully Isotactic Poly(<i>p</i> -methylstyrene): Precise Synthesis via Catalytic Polymerization and Crystallization Studies. <i>Macromolecules</i> , 2019, 52, 4839-4846.	4.8	9
23	Graphene oxide grafted with polyoxazoline as thermoresponsive support for facile catalyst recycling by reversible thermal switching between dispersion and sedimentation. <i>Polymer</i> , 2019, 178, 121553.	3.8	7
24	Thermoresponsive Polymer Ionic Liquids and Nanostructured Hydrogels Based upon Amphiphilic Polyisobutylene- <i>b</i> -poly(2-ethyl-2-oxazoline) Diblock Copolymers. <i>Macromolecules</i> , 2019, 52, 3306-3318.	4.8	23
25	Polyfunctional Acrylic Non-isocyanate Hydroxyurethanes as Photocurable Thermosets for 3D Printing. <i>Macromolecules</i> , 2019, 52, 3288-3297.	4.8	51
26	3D printing of high density polyethylene by fused filament fabrication. <i>Additive Manufacturing</i> , 2019, 28, 152-159.	3.0	131
27	Tailoring Hexagonal Gibbsite Single Crystal Nanoplatelets for Ethylene Polymerization and Nanocomposite Formation on MAO-Free Heterogeneous Bis(imino)pyridine Iron(II) Catalyst. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1900015.	3.9	3
28	Tailoring Mono-, Bi-, and Trimodal Molar Mass Distributions and All-Hydrocarbon Composites by Ethylene Polymerization on Bis(imino)pyridine Chromium(III) Supported on Ultrathin Gibbsite Single Crystal Nanoplatelets. <i>Macromolecules</i> , 2019, 52, 2701-2711.	4.8	12
29	Mechanochemically Carboxylated Multilayer Graphene Nanoplatelets as Functionalized Carbon Nanofillers for Electrically Conductive Epoxy Spray Coatings. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1800582.	3.6	2
30	Melt-Processable Nacre-Mimetic Hydrocarbon Composites via Polymer 1D Nanostructure Formation. <i>Macromolecules</i> , 2019, 52, 9272-9279.	4.8	2
31	Programmable Thermoresponsive Micelle-Inspired Polymer Ionic Liquids as Molecular Shuttles for Anionic Payloads. <i>Macromolecules</i> , 2019, 52, 9672-9681.	4.8	13
32	Semicrystalline Non-Isocyanate Polyhydroxyurethanes as Thermoplastics and Thermoplastic Elastomers and Their Use in 3D Printing by Fused Filament Fabrication. <i>Macromolecules</i> , 2019, 52, 320-331.	4.8	53
33	Tailoring Hydrocarbon Polymers and All-Hydrocarbon Composites for Circular Economy. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1800608.	3.9	65
34	Mechanochemical Routes to Functionalized Graphene Nanofillers Tuned for Lightweight Carbon/Hydrocarbon Composites. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1800496.	3.6	16
35	All-polyethylene composites reinforced via extended-chain UHMWPE nanostructure formation during melt processing. <i>Polymer</i> , 2018, 140, 107-116.	3.8	28
36	Thermoplastic SEBS Elastomer Nanocomposites Reinforced with Functionalized Graphene Dispersions. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1700324.	3.6	22

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37	Mechanochemically Carboxylated Multilayer Graphene for Carbon/ABS Composites with Improved Thermal Conductivity. <i>Polymers</i> , 2018, 10, 1088.	4.5	14
38	Thermal switching between solid- and liquid-like behavior of dispersed semi-crystalline telechelics and nanohybrids tailored for temperature-induced healing of polyethylene cracks. <i>Polymer</i> , 2018, 154, 27-34.	3.8	3
39	Processing-Induced "Nanostructure-Property Relationships of All-Polyethylene Composites Reinforced by Flow-Induced Oriented Crystallization of UHMWPE. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1800022.	3.6	13
40	Wear resistant all-PE single-component composites via 1D nanostructure formation during melt processing. <i>Polymer</i> , 2018, 151, 47-55.	3.8	20
41	Effect of Mechanochemically Functionalized Multilayer Graphene on the Tribological Properties of Silicon Carbide/Graphene Nanocomposites in Aqueous Environment. <i>Tribology Letters</i> , 2018, 66, 1.	2.6	11
42	Corundum Fillers with Variable Sizes and Shapes for Epoxy Nanocomposites as High-Performance Chemical Anchoring and Bonding Systems. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1700552.	3.6	1
43	Nanocellulose Aerogels for Supporting Iron Catalysts and In Situ Formation of Polyethylene Nanocomposites. <i>Advanced Functional Materials</i> , 2017, 27, 1605586.	14.9	57
44	High Purity Limonene Dicarboxylate as Versatile Building Block for Sustainable Non-Isocyanate Polyhydroxyurethane Thermosets and Thermoplastics. <i>Macromolecules</i> , 2017, 50, 944-955.	4.8	105
45	Erythritol Dicarboxylate as Intermediate for Solvent- and Isocyanate-Free Tailoring of Bio-Based Polyhydroxyurethane Thermoplastics and Thermoplastic Elastomers. <i>Macromolecules</i> , 2017, 50, 2296-2303.	4.8	64
46	Triple-Shape Memory Materials via Thermoresponsive Behavior of Nanocrystalline Non-Isocyanate Polyhydroxyurethanes. <i>Macromolecules</i> , 2017, 50, 3598-3606.	4.8	46
47	Light-Fueled, Spatiotemporal Modulation of Mechanical Properties and Rapid Self-Healing of Graphene-Doped Supramolecular Elastomers. <i>Advanced Functional Materials</i> , 2017, 27, 1700767.	14.9	55
48	Surface-Functionalized White Sapphire Al_2O_3 Platelets as Nanofillers for Vinyl Ester Composites and Heavy Duty Anchoring Systems. <i>Macromolecular Materials and Engineering</i> , 2017, 302, 1600420.	3.6	5
49	Simple Covalent Attachment of Redox-Active Nitroxyl Radicals to Graphene via Diels-Alder Cycloaddition. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1700050.	2.2	6
50	Nanophasic morphologies as a function of the composition and molecular weight of the macromolecular cross-linker in poly(N-vinylimidazole)- <i>l</i> -poly(tetrahydrofuran) amphiphilic conetworks: bicontinuous domain structure in broad composition ranges. <i>RSC Advances</i> , 2017, 7, 6827-6834.	3.6	20
51	A Double Self-Assembly Process for Versatile Reduced-Graphene-Oxide Layer Deposition and Conformal Coating on 3D Structures. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700758.	3.7	17
52	Tailored Nanostructured HDPE Wax/UHMWPE Reactor Blends as Additives for Melt-Processable All-Polyethylene Composites and in Situ UHMWPE Fiber Reinforcement. <i>Macromolecules</i> , 2017, 50, 8129-8139.	4.8	49
53	Polymers for 3D Printing and Customized Additive Manufacturing. <i>Chemical Reviews</i> , 2017, 117, 10212-10290.	47.7	2,383
54	Thermal conductivity, morphology and mechanical properties for thermally reduced graphite oxide-filled ethylene vinylacetate copolymers. <i>Polymer</i> , 2017, 132, 294-305.	3.8	14

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55	Liquid sorbitol ether carbonate as intermediate for rigid and segmented non-isocyanate polyhydroxyurethane thermosets. <i>European Polymer Journal</i> , 2017, 94, 136-142.	5.4	35
56	Isocyanate- and Solvent-Free Route to Thermoplastic Poly(amide-urea) Derived from Renewable Resources. <i>Macromolecular Materials and Engineering</i> , 2017, 302, 1600338.	3.6	10
57	Synthesis of metal-fluoride nanoparticles supported on thermally reduced graphite oxide. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 2474-2483.	2.8	18
58	Flexible and Bio-Based Nonisocyanate Polyurethane (NIPU) Foams. <i>Macromolecular Materials and Engineering</i> , 2016, 301, 944-952.	3.6	65
59	Semicrystalline rubber diblock copolymers via cyclooctene ROMP and chain transfer with vinyl-terminated isotactic polystyrene. <i>Journal of Polymer Science Part A</i> , 2016, 54, 2271-2275.	2.3	3
60	Isocyanate-Free Route to Poly(carbohydrate-urethane) Thermosets and 100% Bio-Based Coatings Derived from Glycerol Feedstock. <i>Macromolecules</i> , 2016, 49, 7268-7276.	4.8	52
61	Structure-property-glass transition relationships in non-isocyanate polyurethanes investigated by dynamic nanoindentation. <i>Materials Research Express</i> , 2016, 3, 075019.	1.6	7
62	Highly Efficient Multivalent 2D Nanosystems for Inhibition of Orthopoxvirus Particles. <i>Advanced Healthcare Materials</i> , 2016, 5, 2922-2930.	7.6	57
63	Multisite catalyst mediated polymer nanostructure formation and self-reinforced polyethylene reactor blends with improved toughness/stiffness balance. <i>Polymer</i> , 2016, 102, 112-118.	3.8	26
64	Fused Dihydrodibenzobarrelene (Dibenzobicyclo[2.2.2]octadiene) and Lactone Rings via Tandem Diels-Alder and Condensation Reactions of Dialkyl Fumarates and 9-Anthracenemethanol. <i>ChemistrySelect</i> , 2016, 1, 4935-4939.	1.5	1
65	Nanostructured Polyethylene Reactor Blends with Tailored Trimodal Molar Mass Distributions as Melt-Processable All-Polymer Composites. <i>Macromolecules</i> , 2016, 49, 8048-8060.	4.8	35
66	Effect of the C/O ratio in graphene oxide materials on the reinforcement of epoxy-based nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 281-291.	2.1	47
67	Multifunctional POSS Cyclic Carbonates and Non-Isocyanate Polyhydroxyurethane Hybrid Materials. <i>Macromolecules</i> , 2016, 49, 742-751.	4.8	75
68	Stable aqueous dispersions of functionalized multi-layer graphene by pulsed underwater plasma exfoliation of graphite. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 045301.	2.8	4
69	From Multisite Polymerization Catalysis to Sustainable Materials and All-Polyolefin Composites. <i>Chemical Reviews</i> , 2016, 116, 1398-1433.	47.7	525
70	Chapter 7. Polymeric Ionic Liquids with Micelle-like Topologies and Functions. <i>RSC Polymer Chemistry Series</i> , 2016, , 259-285.	0.2	2
71	Macromol. Rapid Commun. 2/2015. <i>Macromolecular Rapid Communications</i> , 2015, 36, 180-180.	3.9	0
72	Nitrogen-Doped Multilayer Graphene as Functional Filler for Carbon/Polyamide 12 Nanocomposites. <i>Macromolecular Materials and Engineering</i> , 2015, 300, 785-792.	3.6	11

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73	Influence of graphene on the cell morphology and mechanical properties of extruded polystyrene foam. <i>Journal of Cellular Plastics</i> , 2015, 51, 413-426.	2.4	35
74	Synthesis of ruthenium@graphene nanomaterials in propylene carbonate as re-usable catalysts for the solvent-free hydrogenation of benzene. <i>Nano Structures Nano Objects</i> , 2015, 2, 28-34.	3.5	33
75	The influence of layered, spherical, and tubular carbon nanomaterials' concentration on the flame retardancy of polypropylene. <i>Polymer Composites</i> , 2015, 36, 1230-1241.	4.6	69
76	Iridium@graphene composite nanomaterials synthesized in ionic liquid as re-usable catalysts for solvent-free hydrogenation of benzene and cyclohexene. <i>Nano Structures Nano Objects</i> , 2015, 2, 11-18.	3.5	36
77	Annealing-induced periodic patterns in solution grown polymer single crystals. <i>RSC Advances</i> , 2015, 5, 12974-12980.	3.6	17
78	Thermally Reduced Graphite Oxide and Mechanochemically Functionalized Graphene as Functional Fillers for Epoxy Nanocomposites. <i>Macromolecular Materials and Engineering</i> , 2015, 300, 140-152.	3.6	37
79	Thermoplastic Carbon/Polyamide 12 Composites Containing Functionalized Graphene, Expanded Graphite, and Carbon Nanofillers. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 1329-1342.	3.6	33
80	Flame-Retardancy Properties of Intumescent Ammonium Poly(Phosphate) and Mineral Filler Magnesium Hydroxide in Combination with Graphene. <i>Polymers</i> , 2014, 6, 2875-2895.	4.5	144
81	Mechanochemical Route to Functionalized Graphene and Carbon Nanofillers for Graphene/SBR Nanocomposites. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 1513-1520.	3.6	24
82	Improving Melt Flow of Polyoxymethylene (â€œHigh-Speed POMâ€): Additive Design, Melt Rheology, and In Situ Composition Gradient Formation. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 51-64.	3.6	2
83	Functionalized Graphene and Carbon Materials as Components of Styrene-Butadiene Rubber Nanocomposites Prepared by Aqueous Dispersion Blending. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 319-329.	3.6	72
84	Hybrid materials of platinum nanoparticles and thiol-functionalized graphene derivatives. <i>Carbon</i> , 2014, 66, 285-294.	10.3	38
85	Synthesis and Tribological Characterization of Stable Dispersions of Thermally Reduced Graphite Oxide. <i>Tribology Letters</i> , 2014, 53, 353-363.	2.6	32
86	Fracture toughness and failure mechanism of graphene based epoxy composites. <i>Composites Science and Technology</i> , 2014, 97, 90-99.	7.8	451
87	Scale-up and purification of graphite oxide as intermediate for functionalized graphene. <i>Carbon</i> , 2014, 75, 432-442.	10.3	59
88	Composites from Aqueous Polyethylene Nanocrystal/Graphene Dispersions. <i>Macromolecules</i> , 2014, 47, 3017-3021.	4.8	16
89	Isocyanate- and Phosgene-Free Routes to Polyfunctional Cyclic Carbonates and Green Polyurethanes by Fixation of Carbon Dioxide. <i>Macromolecular Rapid Communications</i> , 2014, 35, 1238-1254.	3.9	263
90	Graphene-Supported Dual-Site Catalysts for Preparing Self-Reinforcing Polyethylene Reactor Blends Containing UHMWPE Nanoplatelets and in Situ UHMWPE Shish-Kebab Nanofibers. <i>Macromolecules</i> , 2014, 47, 4979-4986.	4.8	55

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91	Correlating Polymer Crystals via Self-Induced Nucleation. <i>Physical Review Letters</i> , 2014, 112, 237801.	7.8	36
92	Core/Shell and Hollow Ultra High Molecular Weight Polyethylene Nanofibers and Nanoporous Polyethylene Prepared by Mesoscopic Shape Replication Catalysis. <i>Advanced Functional Materials</i> , 2014, 24, 2860-2864.	14.9	18
93	Gas phase mineralized graphene as core/shell nanosheet supports for single-site olefin polymerization catalysts and in-situ formation of graphene/polyolefin nanocomposites. <i>Polymer</i> , 2014, 55, 4547-4550.	3.8	8
94	Two-site silica supported Fe/Cr catalysts for tailoring bimodal polyethylenes with variable content of UHMWPE. <i>Journal of Molecular Catalysis A</i> , 2014, 383-384, 53-57.	4.8	25
95	3D Micro-Extrusion of Graphene-based Active Electrodes: Towards High-Rate AC Line Filtering Performance Electrochemical Capacitors. <i>Advanced Functional Materials</i> , 2014, 24, 4706-4716.	14.9	98
96	Rheology, Electrical Properties, and Percolation of TRGO-Filled EVA-Copolymers. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 1134-1144.	3.6	16
97	Self-Initiated Free Radical Grafting of Styrene Homo- and Copolymers onto Functionalized Graphene. <i>Macromolecules</i> , 2013, 46, 5488-5496.	4.8	68
98	Hydroxyalkylation and Polyether Polyol Grafting of Graphene Tailored for Graphene/Polyurethane Nanocomposites. <i>Macromolecular Rapid Communications</i> , 2013, 34, 1249-1255.	3.9	17
99	Isotactic Polystyrene Reactor Blends with Tailored Bimodal Molar Mass Distribution. <i>Macromolecules</i> , 2013, 46, 8129-8135.	4.8	4
100	Silica Nanofoam (NF) Supported Single- and Dual-Site Catalysts for Ethylene Polymerization with Morphology Control and Tailored Bimodal Molar Mass Distributions. <i>Macromolecules</i> , 2013, 46, 9197-9201.	4.8	35
101	Functionalized Graphene and Carbon Materials as Additives for Melt-Extruded Flame Retardant Polypropylene. <i>Macromolecular Materials and Engineering</i> , 2013, 298, 1322-1334.	3.6	58
102	Hyperbranched Polymeric Ionic Liquids with Onion-like Topology as Transporters and Compartmentalized Systems. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 455-458.	13.8	48
103	Green Polymer Chemistry and Bio-based Plastics: Dreams and Reality. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 159-174.	2.2	542
104	Linear and star-shaped POSS hybrid materials containing crystalline isotactic polystyrene chains. <i>Journal of Polymer Science Part A</i> , 2013, 51, 947-953.	2.3	11
105	Renewable resource-based epoxy resins derived from multifunctional poly(4-hydroxybenzoates). <i>Green Chemistry</i> , 2013, 15, 910.	9.0	54
106	Flame retardancy through carbon nanomaterials: Carbon black, multiwall nanotubes, expanded graphite, multi-layer graphene and graphene in polypropylene. <i>Polymer Degradation and Stability</i> , 2013, 98, 1495-1505.	5.8	296
107	Layered Gradient Nonwovens of In Situ Crosslinked Electrospun Collagenous Nanofibers Used as Modular Scaffold Systems for Soft Tissue Regeneration. <i>Advanced Functional Materials</i> , 2013, 23, 3277-3285.	14.9	37
108	Glycerol-, pentaerythritol- and trimethylolpropane-based polyurethanes and their cellulose carbonate composites prepared via the non-isocyanate route with catalytic carbon dioxide fixation. <i>Green Chemistry</i> , 2013, 15, 934.	9.0	168

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109	Carbon black, multiwall carbon nanotubes, expanded graphite and functionalized graphene flame retarded polypropylene nanocomposites. <i>Polymers for Advanced Technologies</i> , 2013, 24, 916-926.	3.2	132
110	Polyolefin Nanocomposites and Hybrid Catalysts. <i>Advances in Polymer Science</i> , 2013, , 279-309.	0.8	17
111	Hermann Staudinger and Polymer Research in Freiburg. <i>Advances in Polymer Science</i> , 2013, , 21-37.	0.8	0
112	Novel Graphene UHMWPE Nanocomposites Prepared by Polymerization Filling Using Single-Site Catalysts Supported on Functionalized Graphene Nanosheet Dispersions. <i>Macromolecules</i> , 2012, 45, 6878-6887.	4.8	85
113	Cyclic limonene dicarbonate as a new monomer for non-isocyanate oligo- and polyurethanes (NIPLU) based upon terpenes. <i>Green Chemistry</i> , 2012, 14, 1447.	9.0	300
114	Polyurethane nanocomposites prepared from solvent-free stable dispersions of functionalized graphene nanosheets in polyols. <i>Polymer</i> , 2012, 53, 4931-4939.	3.8	74
115	Sulfur-Functionalized Graphenes as Macro-Chain-Transfer and RAFT Agents for Producing Graphene Polymer Brushes and Polystyrene Nanocomposites. <i>Macromolecules</i> , 2012, 45, 7083-7090.	4.8	63
116	Emulsifier-Free Graphene Dispersions with High Graphene Content for Printed Electronics and Freestanding Graphene Films. <i>Advanced Functional Materials</i> , 2012, 22, 1136-1144.	14.9	144
117	Linseed and soybean oil-based polyurethanes prepared via the non-isocyanate route and catalytic carbon dioxide conversion. <i>Green Chemistry</i> , 2012, 14, 483.	9.0	265
118	Synthesis and characterization of semicrystalline triblockcopolymers of isotactic polystyrene and polydimethylsiloxane. <i>Journal of Polymer Science Part A</i> , 2011, 49, 2339-2345.	2.3	9
119	Iron Nanoparticles Supported on Chemically-Derived Graphene: Catalytic Hydrogenation with Magnetic Catalyst Separation. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 523-527.	4.3	107
120	Calvaria bone chamber-A new model for intravital assessment of osseous angiogenesis. <i>Journal of Biomedical Materials Research - Part A</i> , 2011, 99A, 151-157.	4.0	6
121	The use of microwave irradiation for the easy synthesis of graphene-supported transition metal nanoparticles in ionic liquids. <i>Carbon</i> , 2011, 49, 1326-1332.	10.3	140
122	Online Monitoring of Polyolefin Particle Growth in Catalytic Olefin Slurry Polymerization by Means of Lasentec Focused Beam Reflectance Measurement (FBRM) and Video Microscopy (PVM) Probes. <i>Macromolecular Reaction Engineering</i> , 2010, 4, 25-39.	1.5	13
123	Effects of VEGF loading on scaffold-confined vascularization. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 95A, 783-792.	4.0	45
124	Bone repair by cell-seeded 3D-bioploted composite scaffolds made of collagen treated tricalciumphosphate or tricalciumphosphate-chitosan-collagen hydrogel or PLGA in ovine critical-sized calvarial defects. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2010, 93B, 520-530.	3.4	64
125	A Versatile Solvent-Free One-Pot-Route to Polymer Nanocomposites and the in situ Formation of Calcium Phosphate/Layered Silicate Hybrid Nanoparticles. <i>Advanced Functional Materials</i> , 2010, 20, 1778-1786.	14.9	13
126	Hydridoboranes as Modifiers for Single-Site Organochromium Catalysts: From Low- to Ultrahigh-Molecular-Weight Polyethylene. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8751-8754.	13.8	23

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127	Bioinspired Macromolecular Chemistry—Paying Tribute to the Pioneering Advances of Hermann Staudinger and Helmut Ringsdorf. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 121-126.	2.2	12
128	Graphene Nanocomposites Prepared From Blends of Polymer Latex with Chemically Reduced Graphite Oxide Dispersions. <i>Macromolecular Materials and Engineering</i> , 2010, 295, 1107-1115.	3.6	46
129	Mesoporous Silica Supported Multiple Single-Site Catalysts and Polyethylene Reactor Blends with Tailor-Made Trimodal and Ultra-Broad Molecular Weight Distributions. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1359-1363.	3.9	50
130	Accelerated Angiogenic Host Tissue Response to Poly(L-Lactide-co-Glycolide) Scaffolds by Vitalization with Osteoblast-like Cells. <i>Tissue Engineering - Part A</i> , 2010, 16, 2265-2279.	3.1	23
131	Morphology, Crystallization Behavior, and Mechanical Properties of Isotactic Poly(propylene) Nanocomposites based on Organophilic Boehmites. <i>Macromolecular Materials and Engineering</i> , 2009, 294, 380-388.	3.6	16
132	Functionalized Graphenes and Thermoplastic Nanocomposites Based upon Expanded Graphite Oxide. <i>Macromolecular Rapid Communications</i> , 2009, 30, 316-327.	3.9	482
133	A vanadium(V) complex with a tetradentate [OSSO]-type bis(phenolato) ligand: Synthesis, structure, and ethylene polymerization activity. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 1235-1237.	1.8	28
134	Palladium Nanoparticles on Graphite Oxide and Its Functionalized Graphene Derivatives as Highly Active Catalysts for the Suzuki-Miyaura Coupling Reaction. <i>Journal of the American Chemical Society</i> , 2009, 131, 8262-8270.	13.7	1,127
135	Consequences of seeded cell type on vascularization of tissue engineering constructs in vivo. <i>Microvascular Research</i> , 2009, 78, 180-190.	2.5	55
136	Boehmite nanorod-reinforced polyethylenes and ethylene/1-octene thermoplastic elastomer nanocomposites prepared by <i>in situ</i> olefin polymerization and melt compounding. <i>Journal of Polymer Science Part A</i> , 2008, 46, 2755-2765.	2.3	33
137	Novel Polyolefins Containing Crystallizable Isotactic Polystyrene Side Chains. <i>Macromolecular Rapid Communications</i> , 2008, 29, 1549-1553.	3.9	9
138	Vascularization and biocompatibility of scaffolds consisting of different calcium phosphate compounds. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 86A, 1002-1011.	4.0	60
139	Acrylic Nanocomposite Resins for Use in Stereolithography and Structural Light Modulation Based Rapid Prototyping and Rapid Manufacturing Technologies. <i>Advanced Functional Materials</i> , 2008, 18, 2390-2397.	14.9	72
140	Boehmite-based polyethylene nanocomposites prepared by in-situ polymerization. <i>Polymer</i> , 2008, 49, 867-876.	3.8	43
141	Molecular Weight and End Group Control of Isotactic Polystyrene Using Olefins and Nonconjugated Diolefins as Chain Transfer Agents. <i>Macromolecules</i> , 2008, 41, 1627-1633.	4.8	36
142	Improvement of Vascularization of PLGA Scaffolds by Inoculation of In Situ-Preformed Functional Blood Vessels With the Host Microvasculature. <i>Annals of Surgery</i> , 2008, 248, 939-948.	4.2	71
143	DSC Study of Syndiotactic Polypropylene/Organoclay Nanocomposite Fibers: Crystallization and Melting Behavior. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2007, 56, 771-788.	3.4	19
144	Photo-oxidation and Stabilization of sPP and iPP/Boehmite-Dispersal Nanocomposites. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2007, 44, 1027-1034.	2.2	20

#	ARTICLE	IF	CITATIONS
145	Stereospecific Styrene Enchainment at a Titanium Site within a Helical Ligand Framework: Evidence for the Formation of Homochiral Polystyrene. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4790-4793.	13.8	80
146	Arylphosphonic Acid-Functionalized Polyelectrolytes as Fuel Cell Membrane Material. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 1324-1340.	2.2	96
147	PMMA nanocomposites and gradient materials prepared by means of polysilsesquioxane (POSS) self-assembly. <i>Journal of Materials Science</i> , 2007, 42, 87-92.	3.7	37
148	Ethylene/1,3-Cyclohexadiene Copolymerization by Means of Methylaluminoxane Activated Half-Sandwich Complexes. <i>Macromolecular Symposia</i> , 2006, 236, 156-160.	0.7	8
149	Copolymerization of ethylene with styrene catalyzed by a linked bis(phenolato) titanium catalyst. <i>Journal of Polymer Science Part A</i> , 2006, 44, 1908-1913.	2.3	46
150	Correlation of the acid-sensitivity of polyethylene glycol daunorubicin conjugates with their in vitro antiproliferative activity. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 4110-4117.	3.0	31
151	Angiogenic and inflammatory response to biodegradable scaffolds in dorsal skinfold chambers of mice. <i>Biomaterials</i> , 2006, 27, 5027-5038.	11.4	211
152	Halogen-Free Polyarylphosphonates and Polyelectrolyte Membranes for PEMFC by Nickel-Catalyzed Phosphonylation with Silylated Phosphates. <i>Macromolecular Rapid Communications</i> , 2006, 27, 2065-2071.	3.9	19
153	PMMA Gradient Materials and in situ Nanocoating via Self-Assembly of Semifluorinated Hyperbranched Amphiphiles. <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 135-141.	2.2	11
154	Catalytic 1,3-Cyclohexadiene Homopolymerization and Regioselective Copolymerization with Ethylene. <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 195-202.	2.2	23
155	Polymer Ionomers for Rapid Prototyping and Rapid Manufacturing by Means of 3D Printing. <i>Macromolecular Materials and Engineering</i> , 2005, 290, 99-113.	3.6	23
156	Metallized Organoclays as New Intermediates for Aqueous Nanohybrid Dispersions, Nanohybrid Catalysts and Antimicrobial Polymer Hybrid Nanocomposites. <i>Macromolecular Materials and Engineering</i> , 2005, 290, 875-883.	3.6	62
157	Syndiotactic poly(propylene)/organoclay nanocomposite fibers: influence of the nano-filler and the compatibilizer on the fiber properties. <i>Polymers for Advanced Technologies</i> , 2005, 16, 362-369.	3.2	30
158	Photooxidation of sPP/Organoclay Nanocomposites. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2005, 42, 821-829.	2.2	24
159	Nanophase Separated Amphiphilic Conetwork Coatings and Membranes. <i>Macromolecules</i> , 2005, 38, 2431-2438.	4.8	104
160	Stereospecific post-metallocene polymerization catalysts: the example of isospecific styrene polymerization. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 4636-4641.	1.8	59
161	Biofunctional rapid prototyping for tissue-engineering applications: 3D bioplotting versus 3D printing. <i>Journal of Polymer Science Part A</i> , 2004, 42, 624-638.	2.3	236
162	Hermann Staudinger and the Origin of Macromolecular Chemistry. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1054-1063.	13.8	125

#	ARTICLE	IF	CITATIONS
163	Synthesis and Characterisation of Anhydride-Cured Epoxy Nanocomposites Containing Layered Silicates Modified with Phenolic Alkylimidazolineamide Cations. <i>Macromolecular Materials and Engineering</i> , 2004, 289, 13-19.	3.6	29
164	Reactive core/shell type hyperbranched blockcopolyethers as new liquid rubbers for epoxy toughening. <i>Polymer</i> , 2004, 45, 2155-2164.	3.8	79
165	Catalytic Polymerization and Post Polymerization Catalysis Fifty Years After the Discovery of Ziegler's Catalysts. <i>Macromolecular Chemistry and Physics</i> , 2003, 204, 289-327.	2.2	260
166	Near Infrared Reflection Spectroscopy: A Versatile Tool for Rapid Characterization of Olefin Copolymers and High-Throughput Experiments. <i>Macromolecular Materials and Engineering</i> , 2003, 288, 29-34.	3.6	19
167	Carbonylbiscaprolactam: A Versatile Reagent for Organic Synthesis and Isocyanate-Free Urethane Chemistry. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 5094-5097.	13.8	42
168	Fiber spinning from poly(propylene)-organoclay nanocomposite. <i>Journal of Applied Polymer Science</i> , 2003, 89, 604-611.	2.6	68
169	Titanium and zirconium complexes that contain a tridentate bis(phenolato) ligand of the [OOO]-type. <i>Inorganica Chimica Acta</i> , 2003, 345, 221-227.	2.4	23
170	Synthesis and In vitro efficacy of acid-Sensitive poly(ethylene glycol) paclitaxel conjugates. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003, 13, 355-360.	2.2	52
171	Transport properties of organic vapors in nanocomposites of isotactic polypropylene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003, 41, 1798-1805.	2.1	35
172	Transport properties of organic vapors in nanocomposites of organophilic layered silicate and syndiotactic polypropylene. <i>Polymer</i> , 2003, 44, 3679-3685.	3.8	88
173	Toughened Epoxy Hybrid Nanocomposites Containing Both an Organophilic Layered Silicate Filler and a Compatibilized Liquid Rubber. <i>Macromolecules</i> , 2003, 36, 7205-7211.	4.8	109
174	Ancillary Ligand Effect on Single-Site Styrene Polymerization: Isospecificity of Group 4 Metal Bis(phenolate) Catalysts. <i>Journal of the American Chemical Society</i> , 2003, 125, 4964-4965.	13.7	231
175	Polyethylene Glycol Conjugates of Methotrexate Varying in Their Molecular Weight from MW 750 to MW 40000: Synthesis, Characterization, and Structure-Activity Relationships in Vitro and in Vivo. <i>Bioconjugate Chemistry</i> , 2002, 13, 773-785.	3.6	85
176	Poly(ethene-co-norbornene) Obtained with a Constrained Geometry Catalyst. A Study of Reaction Kinetics and Copolymer Properties. <i>Macromolecules</i> , 2002, 35, 2903-2911.	4.8	86
177	Online monitoring of Silicone Network Formation by Means of In-Situ Mid-Infrared Spectroscopy. <i>Macromolecular Chemistry and Physics</i> , 2002, 203, 1866-1871.	2.2	37
178	Synthesis of amine-cured, epoxy-layered silicate nanocomposites: The influence of the silicate surface modification on the properties. <i>Journal of Applied Polymer Science</i> , 2002, 86, 2643-2652.	2.6	101
179	Melt compounding of syndiotactic polypropylene nanocomposites containing organophilic layered silicates and in situ formed core/shell nanoparticles. <i>Polymer</i> , 2002, 43, 2909-2916.	3.8	165
180	Rapid prototyping of scaffolds derived from thermoreversible hydrogels and tailored for applications in tissue engineering. <i>Biomaterials</i> , 2002, 23, 4437-4447.	11.4	547

#	ARTICLE	IF	CITATIONS
181	Miscibility of Branched Ethene Homopolymers with Iso- and Syndiotactic Polypropenes. <i>Macromolecules</i> , 2001, 34, 8669-8674.	4.8	17
182	High-Throughput Evaluation of Olefin Copolymer Composition by Means of Attenuated Total Reflection Fourier Transform Infrared Spectroscopy. <i>ACS Combinatorial Science</i> , 2001, 3, 598-603.	3.3	26
183	Combustion behaviour of EVA/fluorohectorite nanocomposites. <i>Polymer Degradation and Stability</i> , 2001, 74, 413-417.	5.8	144
184	Formation of CdS nanoclusters in phase-separated poly(2-hydroxyethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (methacrylate)-l-p Physics, 2001, 39, 1429-1436.	2.1	79
185	Reactive extrusion of polycaprolactone compounds containing wood flour and lignin. <i>Journal of Applied Polymer Science</i> , 2001, 81, 1972-1984.	2.6	85
186	Thermal Behaviour of Poly(propylene) Layered Silicate Nanocomposites. <i>Macromolecular Rapid Communications</i> , 2001, 22, 176-180.	3.9	350
187	Morphological Stability of Poly(propylene) Nanocomposites. <i>Macromolecular Rapid Communications</i> , 2001, 22, 519-523.	3.9	114
188	Correlations Between Chain Branching, Morphology Development and Polymer Properties of Polyethenes. , 2001, , 317-326.		4
189	Poly(propylene)/organoclay nanocomposite formation: Influence of compatibilizer functionality and organoclay modification. <i>Macromolecular Materials and Engineering</i> , 2000, 275, 8-17.	3.6	412
190	Morphology and rheology of polystyrene nanocomposites based upon organoclay. <i>Macromolecular Rapid Communications</i> , 2000, 21, 57-61.	3.9	239
191	Translucent acrylic nanocomposites containing anisotropic laminated nanoparticles derived from intercalated layered silicates. <i>Journal of Applied Polymer Science</i> , 2000, 75, 396-405.	2.6	91
192	Melt modification of poly(styrene-co-maleic anhydride) with alcohols in the presence of 1,3-oxazolines. <i>Journal of Polymer Science Part A</i> , 2000, 38, 1222-1231.	2.3	28
193	The influence of silicate modification and compatibilizers on mechanical properties and morphology of anhydride-cured epoxy nanocomposites. <i>Macromolecular Materials and Engineering</i> , 2000, 280-281, 41-46.	3.6	104
194	Desktop manufacturing of complex objects, prototypes and biomedical scaffolds by means of computer-assisted design combined with computer-guided 3D plotting of polymers and reactive oligomers. <i>Macromolecular Materials and Engineering</i> , 2000, 282, 17-21.	3.6	237
195	Chiral Hyperbranched Dendron Analogues. <i>Macromolecules</i> , 2000, 33, 253-254.	4.8	75
196	Synthesis and Thermal Behavior of Esterified Aliphatic Hyperbranched Polyether Polyols. <i>Macromolecules</i> , 2000, 33, 1330-1337.	4.8	64
197	Hyperbranched Polyether~Polyols Based on Polyglycerol:~Polarity Design by Block Copolymerization with Propylene Oxide. <i>Macromolecules</i> , 2000, 33, 309-314.	4.8	115
198	Influence of n-Alkyl Branches on Glass-Transition Temperatures of Branched Polyethylenes Prepared by Means of Metallocene- and Palladium-Based Catalysts. <i>Macromolecules</i> , 2000, 33, 1254-1261.	4.8	57

#	ARTICLE	IF	CITATIONS
199	Functional Poly(ethylene oxide) Multiarm Star Polymers: A Core-First Synthesis Using Hyperbranched Polyglycerol Initiators. <i>Macromolecules</i> , 2000, 33, 315-320.	4.8	159
200	Acid-sensitive polyethylene glycol conjugates of doxorubicin: preparation, in vitro efficacy and intracellular distribution. <i>Bioorganic and Medicinal Chemistry</i> , 1999, 7, 2517-2524.	3.0	106
201	Influence of comonomer incorporation on morphology and thermal and mechanical properties of blends based upon isotactic metallocene-polypropene and random ethene/1-butene copolymers. <i>Journal of Applied Polymer Science</i> , 1999, 74, 838-848.	2.6	28
202	Polyurethane Nanocomposites Containing Laminated Anisotropic Nanoparticles Derived from Organophilic Layered Silicates. <i>Advanced Materials</i> , 1999, 11, 49-52.	21.0	220
203	Hyperbranched Polyether Polyols with Liquid Crystalline Properties. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 2928-2930.	13.8	62
204	Molecular Nanocapsules Based on Amphiphilic Hyperbranched Polyglycerols. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 3552-3555.	13.8	242
205	Polyolefin nanocomposites formed by melt compounding and transition metal catalyzed ethene homo- and copolymerization in the presence of layered silicates. <i>Macromolecular Rapid Communications</i> , 1999, 20, 423-430.	3.9	222
206	Morphology and toughness/stiffness balance of nanocomposites based upon anhydride-cured epoxy resins and layered silicates. <i>Macromolecular Chemistry and Physics</i> , 1999, 200, 661-670.	2.2	376
207	NOVEL POLYPROPYLENE MATERIALS. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1999, 36, 1613-1639.	2.2	37
208	Controlled Synthesis of Hyperbranched Polyglycerols by Ring-Opening Multibranching Polymerization. <i>Macromolecules</i> , 1999, 32, 4240-4246.	4.8	994
209	Silsesquioxane-Based Amphiphiles. <i>Langmuir</i> , 1999, 15, 4752-4756.	3.5	74
210	Glass Transition Temperature Depression of Elastomers Blended with Poly(propene)s of Different Stereoregularities. <i>Macromolecules</i> , 1999, 32, 1252-1259.	4.8	49
211	Branched Polyethenes Prepared via Olefin Copolymerization and Migratory Insertion. , 1999, , 473-484.		4
212	Ethylene polymerization catalysts based on nickel(II) 1,4-diazadiene complexes: the influence of the 1,4-diazadiene backbone substituents on structure and reactivity. <i>Journal of Organometallic Chemistry</i> , 1998, 569, 159-167.	1.8	93
213	Ni(II) and Pd(II) complexes of camphor-derived diazadiene ligands: steric bulk tuning and ethylene polymerization. <i>Inorganic Chemistry Communication</i> , 1998, 1, 431-434.	3.9	41
214	Novel polyolefin materials via catalysis and reactive processing. <i>Macromolecular Symposia</i> , 1998, 129, 1-28.	0.7	80
215	Progress in controlled polymerization and design of novel polymer architectures. <i>Macromolecular Symposia</i> , 1997, 121, 53-74.	0.7	10
216	Thermal Properties of the Homologous Series of 8-fold Alkyl-Substituted Octasilsesquioxanes. <i>Chemistry of Materials</i> , 1997, 9, 1475-1479.	6.7	109

#	ARTICLE	IF	CITATIONS
217	Nine-Membered Titanacyclic Complexes Based on an Ethylene-Bridged Bis(phenolato) Ligand: Synthesis, Structure, and Olefin Polymerization Activity. <i>Organometallics</i> , 1997, 16, 4240-4242.	2.3	122
218	Influence of Indenyl Ligand Substitution Pattern on Metallocene-Catalyzed Ethene Copolymerization with 1-Octene. <i>Macromolecules</i> , 1997, 30, 3164-3168.	4.8	83
219	Synthesis and Crystallization of Syndiotactic Random Copolymers of Styrene and p-n-Butylstyrene and of Syndiotactic Poly(p-n-butylstyrene). <i>Macromolecules</i> , 1997, 30, 8401-8409.	4.8	25
220	Carbosilane Dendrimers with Perfluoroalkyl End Groups. Core-Shell Macromolecules with Generation-Dependent Order. <i>Macromolecules</i> , 1997, 30, 6860-6868.	4.8	142
221	Ethene and Propene Copolymers Containing Silsesquioxane Side Groups. <i>Macromolecules</i> , 1997, 30, 2818-2824.	4.8	231
222	Copolymerization of Ethene with Styrene Using Methylaluminoxane-Activated Bis(phenolate) Complexes. <i>Macromolecules</i> , 1997, 30, 1562-1569.	4.8	140
223	Aminofunctional linear low density polyethylene via metallocene-catalysed ethene copolymerization with N,N-bis(trimethylsilyl)-1-amino-10-undecene. <i>Polymer</i> , 1997, 38, 2455-2459.	3.8	68
224	Temperature rising elution fractionation of a random ethene/styrene copolymer. <i>Macromolecular Chemistry and Physics</i> , 1997, 198, 739-748.	2.2	22
225	Influence of indenyl ligand substitution pattern on metallocene-catalyzed propene copolymerization with 1-octene. <i>Macromolecular Chemistry and Physics</i> , 1997, 198, 1121-1129.	2.2	47
226	Single crystals of syndiotactic poly[propene-co-(1-octene)] and syndiotactic polypropene crystallized in bulk. <i>Macromolecular Chemistry and Physics</i> , 1997, 198, 1271-1279.	2.2	21
227	Hyperbranched polycarbosilane macromonomers bearing oxazoline functionalities. <i>Macromolecular Rapid Communications</i> , 1997, 18, 253-260.	3.9	75
228	The influence of stereoregularity on the miscibility of poly(propylene)s. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1997, 35, 1135-1144.	2.1	75
229	Copolymerization of ethene with styrene using different methylaluminoxane activated half-sandwich complexes. <i>Journal of Polymer Science Part A</i> , 1997, 35, 1571-1578.	2.3	83
230	Thermoplastic cellulose acetate and cellulose acetate compounds prepared by reactive processing. <i>Journal of Applied Polymer Science</i> , 1997, 64, 231-242.	2.6	46
231	Controlled architectures and property synergisms of polypropene/polyamide 6 blends prepared via reactive processing. <i>Macromolecular Symposia</i> , 1996, 112, 141-150.	0.7	22
232	Liquid Crystalline Thermosets Based on Branched Bismethacrylates. <i>Macromolecules</i> , 1996, 29, 7003-7011.	4.8	21
233	Mono- and Multilayers of Mesogen-Substituted Carbosilane Dendrimers on Mica. <i>Macromolecules</i> , 1996, 29, 8069-8076.	4.8	83
234	On the β -Phase of Isotactic Polypropylene. <i>Macromolecules</i> , 1996, 29, 8425-8434.	4.8	161

#	ARTICLE	IF	CITATIONS
235	Morphology and phase behaviour of blends of syndiotactic and isotactic polypropylene: 2. Differential scanning calorimetry, light transmission measurements, and PVT measurements. <i>Polymer</i> , 1996, 37, 2635-2640.	3.8	58
236	Influence of polymerization conditions on the copolymerization of styrene with ethylene using Me ₂ Si(Me ₄ Cp)(N-tert-butyl)TiCl ₂ /methylaluminoxane Ziegler-Natta catalysts. <i>Macromolecular Chemistry and Physics</i> , 1996, 197, 1071-1083.	2.2	128
237	A mesogen-functionized carbosilane dendrimer: A dendritic liquid crystalline polymer. <i>Advanced Materials</i> , 1996, 8, 414-416.	21.0	193
238	Morphology and mechanical properties of blends of isotactic or syndiotactic polypropylene with SEBS block copolymers. <i>Journal of Applied Polymer Science</i> , 1996, 59, 1117-1128.	2.6	104
239	Morphology and phase behaviour of blends of syndiotactic and isotactic polypropylene: 1. X-ray scattering, light microscopy, atomic force microscopy, and scanning electron microscopy. <i>Polymer</i> , 1996, 37, 2627-2634.	3.8	82
240	Syntheses of mono(1,3-oxazolin-2-yl)-terminated oligopropene macromonomers and novel polymers containing oligopropene side chains. <i>Polymer Bulletin</i> , 1996, 36, 303-309.	3.3	19
241	The role of dormant sites in propene polymerization using methylalumoxane activated metallocene catalysts. <i>Macromolecular Symposia</i> , 1995, 97, 205-216.	0.7	24
242	Stereospezifische Olefinpolymerisation mit chiralen Metallocenkatalysatoren. <i>Angewandte Chemie</i> , 1995, 107, 1255-1283.	2.0	583
243	Transcrystallinity of thin films of isotactic poly(propylene). <i>Macromolecular Rapid Communications</i> , 1995, 16, 81-87.	3.9	5
244	Mechanical and morphological properties of elastomer-modified polypropylene/polyamide-6 blends. <i>Journal of Applied Polymer Science</i> , 1995, 56, 1599-1605.	2.6	21
245	Stereospecific Olefin Polymerization with Chiral Metallocene Catalysts. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 1143-1170.	4.4	2,623
246	Morphology of syndiotactic polypropylene. <i>Polymer</i> , 1995, 36, 3795-3801.	3.8	54
247	Reaction calorimetric investigation of 1-olefin homo-and copolymerization using homogeneous metallocene catalysts. <i>Journal of Molecular Catalysis A</i> , 1995, 101, 11-16.	4.8	10
248	Propene polymerization using homogeneous MAO-activated metallocene catalysts: Me ₂ Si(Benz[e]Indenyl)2ZrCl ₂ /MAO vs. Me ₂ Si(2-Me-Benz[e]Indenyl)2ZrCl ₂ /MAO. <i>Journal of Polymer Science Part A</i> , 1995, 33, 1305-1317.	2.3	110
249	The influence of methylalumoxane concentration on propene polymerization with homogeneous metallocene-based Ziegler-Natta catalysts. <i>Journal of Organometallic Chemistry</i> , 1995, 497, 27-32.	1.8	27
250	Novel Polyolefin Materials and Processes: Overview and Prospects. , 1995, , 35-55.		8
251	The influence of regio- and stereoirregularities on the crystallization behaviour of isotactic poly(propylene)s prepared with homogeneous group IVa metallocene/methylaluminoxane Ziegler-Natta catalysts. <i>Macromolecular Chemistry and Physics</i> , 1994, 195, 1433-1441.	2.2	91
252	Polynitrile- and Polyamine-Functional Poly(trimethylene imine) Dendrimers. <i>Angewandte Chemie International Edition in English</i> , 1993, 32, 1306-1308.	4.4	234

#	ARTICLE	IF	CITATIONS
253	Title is missing!. Die Makromolekulare Chemie Rapid Communications, 1993, 14, 503-509.	1.1	51
254	Donor- and acceptor-modified metallocene-based homogeneous Ziegler-Natta catalysts. Makromolekulare Chemie Macromolecular Symposia, 1993, 66, 191-202.	0.6	59
255	Reversible and irreversible deactivation of propene polymerization using homogeneous Cp ₂ ZrCl ₂ /methylaluminumoxane Ziegler-Natta catalysts. Journal of Organometallic Chemistry, 1991, 417, C7-C11.	1.8	82
256	Elastomeric polypropylenes from alumina-supported tetraalkyl Group IVB catalysts. 1. Synthesis and properties of high molecular weight stereoblock homopolymers. Macromolecules, 1989, 22, 3851-3858.	4.8	112
257	Stereospecific Polymerization of Propylene: An Outlook 25 Years after Its Discovery. Angewandte Chemie International Edition in English, 1980, 19, 857-875.	4.4	239
258	Photocured Cationic Polyoxazoline Macromonomers as Gel Polymer Electrolytes for Lithium-Ion Batteries. ACS Applied Polymer Materials, 0, , .	4.4	3