# Stefan Mecking

List of Publications by Year
in descending order

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| 284 | 17,673 | 17776 65 | 21239 119 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 319 | 319 | 319 | 10674 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Ordered Nanostructures in Thin Films of Precise Ion-Containing Multiblock Copolymers. ACS Central Science, 2022, 8, 388-393. | 5.3 | 5 |
| 2 | Hydrophilic Catalysts with High Activity and Stability in the Aqueous Polymerization of Ethylene to Highâ€Molecularâ€Weightâ€Polyethylene. Angewandte Chemie - International Edition, 2022, 61, . | 7.2 | 7 |
| 3 | Hydrophilic Catalysts with High Activity and Stability in the Aqueous Polymerization of Ethylene to Highâ€Molecularâ€Weightâ€Polyethylene. Angewandte Chemie, 2022, 134, . | 1.6 | 2 |
| 4 | Molecularly Defined Polyolefin Vitrimers from Catalytic Insertion Polymerization. Journal of the American Chemical Society, 2022, 144, 13226-13233. | 6.6 | 17 |
| 5 | Efficient Suppression of Chain Transfer and Branching via C<sub>s</sub>â€Type Shielding in a Neutral Nickel(II) Catalyst. Angewandte Chemie - International Edition, 2021, 60, 4018-4022. | 7.2 | 51 |
| 6 | Efficient Suppression of Chain Transfer and Branching via C s â€Type Shielding in a Neutral Nickel(II) Catalyst. Angewandte Chemie, 2021, 133, 4064-4068. | 1.6 | 5 |
| 7 | Compartmentalized polymerization in aqueous and organic media to low-entangled ultra high molecular weight polyethylene. Polymer Chemistry, 2021, 12, 3116-3123. | 1.9 | 10 |
| 8 | Closed-loop recycling of polyethylene-like materials. Nature, 2021, 590, 423-427. | 13.7 | 344 |
| 9 | Structureâ€“Property Relationships in Single-Ion Conducting Multiblock Copolymers: A Phase Diagram and Ionic Conductivities. Macromolecules, 2021, 54, 4269-4279. | 2.2 | 21 |
| 10 | The Impact of Charge in a Ni(II) Polymerization Catalyst. ACS Catalysis, 2021, 11, 5358-5368. | 5.5 | 7 |
| 11 | Origin of the Anisotropy and Structure of Ellipsoidal Poly(fluorene) Nanoparticles. Macromolecules, 2021, 54, 5267-5277. | 2.2 | 6 |
| 12 | Coarse grained simulation of the aggregation and structure control of polyethylene nanocrystals. Journal of Physics Condensed Matter, 2021, 33, 264001. | 0.7 | 2 |
| 13 | Crystallization of Long-Spaced Precision Polyacetals III: Polymorphism and Crystallization Kinetics of Even Polyacetals Spaced by 6 to 26 Methylenes. Polymers, 2021, 13, 1560. | 2.0 | 4 |
| 14 | Neutral Unsymmetrical Coordinated Cyclophane Polymerization Catalysts. Angewandte Chemie - International Edition, 2021, 60, 18472-18477. | 7.2 | 9 |
| 15 | Oligothiophene Phosphonic Acids for Self-Assembled Monolayer Field-Effect Transistors. ACS Applied Materials & Interfaces, 2021, 13, 32461-32466. | 4.0 | 7 |
| 16 | Neutral Unsymmetrical Coordinated Cyclophane Polymerization Catalysts. Angewandte Chemie, 2021, 133, 18620-18625. | 1.6 | 2 |
| 17 | Unlayeredâ€“Layered Crystal Transition in Recyclable Long-Spaced Aliphatic Polyesters. ACS Applied Polymer Materials, 2021, 3, 5243-5256. | 2.0 | 10 |
| 18 | Anhydrous Proton Transport within Phosphonic Acid Layers in Monodisperse Telechelic Polyethylenes. Journal of the American Chemical Society, 2021, 143, 16725-16733. | 6.6 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Sub-3-Nanometer Domain Spacings of Ultrahigh-Ï‡ Multiblock Copolymers with Pendant Ionic Groups. ACS Nano, 2021, 15, 16738-16747. | 7.3 | 13 |
| 20 | Polyethylene materials with in-chain ketones from nonalternating catalytic copolymerization. Science, 2021, 374, 604-607. | 6.0 | 102 |
| 21 | Living Aqueous Microemulsion Polymerization of Ethylene with Robust Ni(II) Phosphinophenolato Catalysts. Journal of the American Chemical Society, 2021, 143, 20605-20608. | 6.6 | 27 |
| 22 | Pentafluorophenyl Groups as Remote Substituents in Ni(II) Polymerization Catalysis. Organometallics, 2020, 39, 13-17. | 1.1 | 14 |
| 23 | Direct Observation of Chain Lengths and Conformations in Oligofluorene Distributions from Controlled Polymerization by Double Electronâ€“Electron Resonance. Journal of the American Chemical Society, 2020, 142, 1952-1956. | 6.6 | 7 |
| 24 | Gyroid and Other Ordered Morphologies in Single-Ion Conducting Polymers and Their Impact on Ion Conductivity. Journal of the American Chemical Society, 2020, 142, 857-866. | 6.6 | 72 |
| 25 | Remote Perfluoroalkyl Substituents are Key to Living Aqueous Ethylene Polymerization. Angewandte Chemie - International Edition, 2020, 59, 3258-3263. | 7.2 | 37 |
| 26 | Remote Perfluoroalkyl Substituents are Key to Living Aqueous Ethylene Polymerization. Angewandte Chemie, 2020, 132, 3284-3289. | 1.6 | 5 |
| 27 | Neutral Nickel(II) Catalysts: From Hyperbranched Oligomers to Nanocrystal-Based Materials. Accounts of Chemical Research, 2020, 53, 2738-2752. | 7.6 | 70 |
| 28 | Polyethylene-like materials from plant oils. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190266. | 1.6 | 17 |
| 29 | Photodegradable branched polyethylenes from carbon monoxide copolymerization under benign conditions. Nature Communications, 2020, 11, 3693. | 5.8 | 38 |
| 30 | Crystallization of Long-Spaced Precision Polyacetals II: Effect of Polymorphism on Isothermal Crystallization Kinetics. Macromolecules, 2020, 53, 7899-7913. | 2.2 | 16 |
| 31 | A Practical Synthesis of [(tmeda)Ni(CH<sub>3</sub>)<sub>2</sub>], Isotopically Labeled [(tmeda)Ni(<sup>13</sup>CH<sub>3</sub>)<sub>2</sub>], and Neutral Chelated-Nickel Methyl Complexes. Organometallics, 2020, 39, 3433-3440. | 1.1 | 14 |
| 32 | Ultrahigh Branching of Mainâ€Chainâ€Functionalized Polyethylenes by Inverted Insertion Selectivity. Angewandte Chemie, 2020, 132, 14402-14408. | 1.6 | 25 |
| 33 | Isothermal step thickening in a long-spaced aliphatic polyester. Polymer, 2020, 191, 122282. | 1.8 | 7 |
| 34 | Catalytic Chain Transfer Polymerization to Functional Reactive End Groups for Controlled Free Radical Growth. Macromolecules, 2020, 53, 2362-2368. | 2.2 | 9 |
| 35 | Ultrahigh Branching of Mainâ€Chainâ€Functionalized Polyethylenes by Inverted Insertion Selectivity. Angewandte Chemie - International Edition, 2020, 59, 14296-14302. | 7.2 | 122 |
| 36 | Anisotropic Extended-Chain Polymer Nanocrystals. Macromolecules, 2019, 52, 6142-6148. | 2.2 | 4 |

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| 37 | Straightforward Synthesis of Conjugated Block Copolymers by Controlled Suzukiâ€“Miyaura Cross-Coupling Polymerization Combined with ATRP. Macromolecules, 2019, 52, 5917-5924. | 2.2 | 13 |
| 38 | Tetrakis[3,5-bis(pentafluorosulfanyl)phenyl]borate: A Weakly Coordinating Anion Probed in Polymerization Catalysis. Organometallics, 2019, 38, 2710-2713. | 1.1 | 9 |
| 39 | Coordinative Chain Transfer Polymerization of Butadiene with Functionalized Aluminum Reagents. Angewandte Chemie - International Edition, 2019, 58, 17777-17781. | 7.2 | 26 |
| 40 | Periodic Polyethylene Sulfonates from Polyesterification: Bulk and Nanoparticle Morphologies and Ionic Conductivities. Macromolecules, 2019, 52, 8466-8475. | 2.2 | 20 |
| 41 | Coordinative Chain Transfer Polymerization of Butadiene with Functionalized Aluminum Reagents. Angewandte Chemie, 2019, 131, 17941-17945. | 1.6 | 7 |
| 42 | Crystallization of Long-Spaced Precision Polyacetals I: Melting and Recrystallization of Rapidly Formed Crystallites. Macromolecules, 2019, 52, 4934-4948. | 2.2 | 23 |
| 43 | Monodisperse and Telechelic Polyethylenes Form Extended Chain Crystals with Ionic Layers. Macromolecules, 2019, 52, 4949-4956. | 2.2 | 28 |
| 44 | Aqueous Dispersions of Ethylene Copolymers and Their Laponite Clay Nanocomposites from Free-Radical Dispersion Polymerization. Macromolecules, 2019, 52, 4270-4277. | 2.2 | 7 |
| 45 | Uniform shape monodisperse single chain nanocrystals by living aqueous catalytic polymerization. Nature Communications, 2019, 10, 2592. | 5.8 | 63 |
| 46 | Tailored Strength Neighboring Group Interactions Switch Polymerization to Dimerization Catalysis. ACS Catalysis, 2019, 9, 3888-3894. | 5.5 | 19 |
| 47 | Frontispiece: A Synthetic Polyester from Plant Oil Feedstock by Functionalizing Polymerization. Angewandte Chemie - International Edition, 2019, 58, . | 7.2 | 1 |
| 48 | Integrated extraction and catalytic upgrading of microalgae lipids in supercritical carbon dioxide. Green Chemistry, 2019, 21, 2428-2435. | 4.6 | 10 |
| 49 | Frontispiz: A Synthetic Polyester from Plant Oil Feedstock by Functionalizing Polymerization. Angewandte Chemie, 2019, 131, . | 1.6 | 0 |
| 50 | Incorporation of Radicals during Ni(II)-Catalyzed Ethylene Insertion Polymerization. ACS Catalysis, 2019, 9, 2760-2767. | 5.5 | 6 |
| 51 | Ancillary Ligands Impact Branching Microstructure in Late-Transition-Metal Polymerization Catalysis. ACS Catalysis, 2019, 9, 11552-11556. | 5.5 | 14 |
| 52 | A Synthetic Polyester from Plant Oil Feedstock by Functionalizing Polymerization. Angewandte Chemie, 2019, 131, 3384-3388. | 1.6 | 5 |
| 53 | A Synthetic Polyester from Plant Oil Feedstock by Functionalizing Polymerization. Angewandte Chemie - International Edition, 2019, 58, 3346-3350. | 7.2 | 35 |
| 54 | Tailored Interface Energetics for Efficient Charge Separation in Metal Oxide-Polymer Solar Cells. Scientific Reports, 2019, 9, 74. | 1.6 | 8 |

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| 55 | Multivalent Carbohydrate-Functionalized Polymer Nanocrystals. Biomacromolecules, 2019, 20, 294-304. | 2.6 | 4 |
| 56 | Diffusion of Molecular and Macromolecular Polyolefin Probes in Cylindrical Block Copolymer Structures As Observed by High Temperature Single Molecule Fluorescence Microscopy. Macromolecules, 2018, 51, 1873-1884. | 2.2 | 12 |
| 57 | Diamines for Polymer Materials via Direct Amination of Lipidâ€•and Lignocelluloseâ€based Alcohols with NH<sub>3</sub>. ChemCatChem, 2018, 10, 3027-3033. | 1.8 | 40 |
| 58 | Microalgae lipids as a feedstock for the production of benzene. Green Chemistry, 2018, 20, 1874-1878. | 4.6 | 14 |
| 59 | Thermoplastic Polyurethane Elastomers with Aliphatic Hard Segments Based on Plantâ€Oilâ€Derived Longâ€Chain Diisocyanates. Macromolecular Materials and Engineering, 2018, 303, 1700416. | 1.7 | 27 |
| 60 | Heterotelechelic and In-Chain Polar Functionalized Stereoregular Poly(dienes). Macromolecules, 2018, 51, 763-770. | 2.2 | 25 |
| 61 | Control of Chain Walking by Weak Neighboring Group Interactions in Unsymmetrical Catalysts. Journal of the American Chemical Society, 2018, 140, 1305-1312. | 6.6 | 80 |
| 62 | Production of chemicals from microalgae lipids â€“ status and perspectives. European Journal of Lipid Science and Technology, 2018, 120, 1700152. | 1.0 | 52 |
| 63 | Highâ€Impact Polyamide Composites with Linear Ethyleneâ€“Norbornene Anhydride Copolymers from Insertion Polymerization. Macromolecular Materials and Engineering, 2018, 303, 1700276. | 1.7 | 7 |
| 64 | Growth Kinetics of Stacks of Lamellar Polymer Crystals. Macromolecules, 2018, 51, 8738-8745. | 2.2 | 25 |
| 65 | Controlled Polymerization in Polar Solvents to Ultrahigh Molecular Weight Polyethylene. Journal of the American Chemical Society, 2018, 140, 6685-6689. | 6.6 | 97 |
| 66 | Free-Radical Dispersion Polymerization of Ethylene with Laponite to Polyethyleneâ€“Clay Nanocomposite Particles. Macromolecules, 2018, 51, 4118-4128. | 2.2 | 17 |
| 67 | Full-Range Interconversion of Nanocrystals and Bulk Metal with a Highly Selective Molecular Catalyst. ACS Catalysis, 2018, 8, 5515-5525. | 5.5 | 12 |
| 68 | Single-Step Catalytic Upgrading of Microalgae Biomass. ACS Sustainable Chemistry and Engineering, 2018, 6, 11219-11221. | 3.2 | 9 |
| 69 | Selective Long-Range Isomerization Carbonylation of a Complex Hyperbranched Polymer Substrate. ACS Catalysis, 2018, 8, 9232-9237. | 5.5 | 19 |
| 70 | Efficient Emission Enhancement of Single CdSe/CdS/PMMA Quantum Dots through Controlled Near-Field Coupling to Plasmonic Bullseye Resonators. Nano Letters, 2018, 18, 5396-5400. | 4.5 | 25 |
| 71 | Mechanism of Insertion Polymerization of Allyl Ethers. Macromolecules, 2018, 51, 4525-4531. | 2.2 | 17 |
| 72 | Delocalization of Coherent Triplet Excitons in Linear Rigid Rod Conjugated Oligomers. Journal of Physical Chemistry Letters, 2017, 8, 690-695. | 2.1 | 12 |

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| 73 | Anisotropic Polymer Nanoparticles with Tunable Emission Wavelengths by Intersegmental Chain Packing. Angewandte Chemie - International Edition, 2017, 56, 6147-6151. | 7.2 | 16 |
| 74 | Anisotropic Polymer Nanoparticles with Tunable Emission Wavelengths by Intersegmental Chain Packing. Angewandte Chemie, 2017, 129, 6243-6247. | 1.6 | 8 |
| 75 | Synergetic Effect of Monomer Functional Group Coordination in Catalytic Insertion Polymerization. Journal of the American Chemical Society, 2017, 139, 6823-6826. | 6.6 | 52 |
| 76 | Chain Multiplication of Fatty Acids to Precise Telechelic Polyethylene. Angewandte Chemie - International Edition, 2017, 56, 7589-7594. | 7.2 | 39 |
| 77 | Chain Multiplication of Fatty Acids to Precise Telechelic Polyethylene. Angewandte Chemie, 2017, 129, 7697-7702. | 1.6 | 6 |
| 78 | No Strain, No Gain? Enzymatic Ringâ€Opening Polymerization of Strainless Aliphatic Macrolactones. Macromolecular Rapid Communications, 2017, 38, 1600638. | 2.0 | 21 |
| 79 | Semicrystalline Long-Chain Polyphosphoesters from Polyesterification. Macromolecules, 2017, 50, 2706-2713. | 2.2 | 9 |
| 80 | Stereoselective Copolymerization of Butadiene and Functionalized 1,3-Dienes with Neodymium-Based Catalysts. Macromolecules, 2017, 50, 8464-8468. | 2.2 | 34 |
| 81 | Ultralong-Chain-Spaced Crystalline Poly(H-phosphonate)s and Poly(phenylphosphonate)s. Macromolecules, 2017, 50, 7901-7910. | 2.2 | 21 |
| 82 | Valorization of Unconventional Lipids from Microalgae or Tall Oil via a Selective Dual Catalysis One-Pot Approach. Journal of the American Chemical Society, 2017, 139, 13487-13491. | 6.6 | 20 |
| 83 | Mid-chain carboxylic acids by catalytic refining of microalgae oil. Green Chemistry, 2017, 19, 4865-4870. | 4.6 | 12 |
| 84 | Pentafluorosulfanyl Substituents in Polymerization Catalysis. Journal of the American Chemical Society, 2017, 139, 13786-13790. | 6.6 | 73 |
| 85 | Ring opening polymerization of macrolactones: high conversions and activities using an yttrium catalyst. Polymer Chemistry, 2017, 8, 5780-5785. | 1.9 | 37 |
| 86 | Self-assembled monolayer field-effect transistors based on oligo-9,9â€²-dioctylfluorene phosphonic acids. Nanoscale, 2017, 9, 18584-18589. | 2.8 | 17 |
| 87 | Purcell effect and photoluminescence emission enhancement of individual CdSe/CdS/PMMA nano particles coupled to metallic bullseye resonators. , 2017, , . | | 0 |
| 88 | Biodegradable Coreâ€“Multishell Nanocarriers: Influence of Inner Shell Structure on the Encapsulation Behavior of Dexamethasone and Tacrolimus. Polymers, 2017, 9, 316. | 2.0 | 11 |
| 89 | Lifetime Shortening and Photoluminescence Emission Enhancement of Single CdSe/CdS/PMMA Quantum Emitters Coupled to Plasmonic Bullseye Resonators. , 2017, , . | | 0 |
| 90 | Assembling semiconducting molecules by covalent attachment to a lamellar crystalline polymer substrate. Beilstein Journal of Nanotechnology, 2016, 7, 784-798. | 1.5 | 4 |

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| 91 | Direct Synthesis of Imidazolium-Functional Polyethylene by Insertion Copolymerization. Macromolecular Rapid Communications, 2016, 37, 934-938. | 2.0 | 20 |
| 92 | Nanocrystal Formation in Aqueous Insertion Polymerization. Macromolecules, 2016, 49, 8825-8837. | 2.2 | 17 |
| 93 | Long-Chain Aliphatic Polymers To Bridge the Gap between Semicrystalline Polyolefins and Traditional Polycondensates. Chemical Reviews, 2016, 116, 4597-4641. | 23.0 | 244 |
| 94 | Short-Chain Branched Polar-Functionalized Linear Polyethylene via â€œTandem Catalysisâ€• Macromolecules, 2016, 49, 4057-4066. | 2.2 | 23 |
| 95 | Direct Synthesis of Telechelic Polyethylene by Selective Insertion Polymerization. Angewandte Chemie - International Edition, 2016, 55, 14378-14383. | 7.2 | 64 |
| 96 | Allylboration as a versatile tool for the in situ post-polymerization functionalization of 1,4-cis-poly(butadiene). Polymer Chemistry, 2016, 7, 7195-7198. | 1.9 | 8 |
| 97 | Direct Synthesis of Telechelic Polyethylene by Selective Insertion Polymerization. Angewandte Chemie, 2016, 128, 14590-14595. | 1.6 | 25 |
| 98 | Coupling of Excitons and Discrete Acoustic Phonons in Vibrationally Isolated Quantum Emitters. Nano Letters, 2016, 16, 5861-5865. | 4.5 | 18 |
| 99 | Single-Step Access to Long-Chain Î±,Ï‰-Dicarboxylic Acids by Isomerizing Hydroxycarbonylation of Unsaturated Fatty Acids. ACS Catalysis, 2016, 6, 8229-8238. | 5.5 | 51 |
| 100 | Aqueous Dispersions of Multiphase Polyolefin Particles. Macromolecules, 2016, 49, 8296-8305. | 2.2 | 8 |
| 101 | Stereoselective Copolymerization of Butadiene and Functionalized 1,3-Dienes. ACS Macro Letters, 2016, 5, 777-780. | 2.3 | 40 |
| 102 | CdSe/CdSâ€”Conjugated Polymer Coreâ€“Shell Hybrid Nanoparticles by a Grafting-From Approach. ACS Macro Letters, 2016, 5, 786-789. | 2.3 | 12 |
| 103 | Synthesis of Renewable Copolyacetals with Tunable Degradation. Macromolecular Chemistry and Physics, 2016, 217, 1396-1410. | 1.1 | 19 |
| 104 | Insertion Polymerization of Divinyl Formal. Macromolecules, 2016, 49, 4395-4403. | 2.2 | 27 |
| 105 | Reactivity of Functionalized Vinyl Monomers in Insertion Copolymerization. Macromolecules, 2016, 49, 1172-1179. | 2.2 | 44 |
| 106 | Confined Acoustic Phonon Modes and Exciton-Phonon Coupling in Single CdSe/CdS/PMMA Hybrid Particles. , 2016, , . | | 0 |
| 107 | Happy Birthday, Rolf MÃ¼lhaupt!. Macromolecular Rapid Communications, 2015, 36, 113-114. | 2.0 | 0 |
| 108 | Macromol. Rapid Commun. 2/2015. Macromolecular Rapid Communications, 2015, 36, 272-272. | 2.0 | 0 |

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| 109 | Insertion Homoâ€•and Copolymerization of Diallyl Ether. Angewandte Chemie - International Edition, 2015, 54, 15845-15849. | 7.2 | 74 |
| 110 | Macromol. Rapid Commun. 2/2015. Macromolecular Rapid Communications, 2015, 36, 180-180. | 2.0 | 0 |
| 111 | Insertion Homoâ€•and Copolymerization of Diallyl Ether. Angewandte Chemie, 2015, 127, 16071-16075. | 1.6 | 22 |
| 112 | Size Control of Spherical and Anisotropic Fluorescent Polymer Nanoparticles via Precise Rigid Molecules. Macromolecules, 2015, 48, 3900-3906. | 2.2 | 15 |
| 113 | Probing of chain conformations in conjugated polymer nanoparticles by electron spin resonance spectroscopy. Physical Chemistry Chemical Physics, 2015, 17, 32289-32296. | 1.3 | 14 |
| 114 | Role of Radical Species in Salicylaldiminato Ni(II) Mediated Polymer Chain Growth: A Case Study for the Migratory Insertion Polymerization of Ethylene in the Presence of Methyl Methacrylate. Journal of the American Chemical Society, 2015, 137, 14819-14828. | 6.6 | 46 |
| 115 | Nonlinear Photoluminescence Spectrum of Single Gold Nanostructures. ACS Nano, 2015, 9, 894-900. | 7.3 | 49 |
| 116 | Long-Spaced Polyamides: Elucidating the Gap between Polyethylene Crystallinity and Hydrogen Bonding. Macromolecules, 2015, 48, 1463-1472. | 2.2 | 32 |
| 117 | Suppression of Chain Transfer in Catalytic Acrylate Polymerization via Rapid and Selective Secondary Insertion. Journal of the American Chemical Society, 2015, 137, 2836-2839. | 6.6 | 98 |
| 118 | Molecularâ€Weightâ€Dependent Changes in Morphology of Solutionâ€Grown Polyethylene Single Crystals. Macromolecular Rapid Communications, 2015, 36, 181-189. | 2.0 | 29 |
| 119 | Conjugated Star Polymers from Multidirectional Suzukiâ€“Miyaura Polymerization for Live Cell Imaging. Macromolecules, 2015, 48, 483-491. | 2.2 | 28 |
| 120 | Long-Spaced Polyketones from ADMET Copolymerizations as Ideal Models for Ethylene/CO Copolymers. ACS Macro Letters, 2015, 4, 704-707. | 2.3 | 34 |
| 121 | Unsymmetrical Î±,Ï‰-Difunctionalized Long-Chain Compounds via Full Molecular Incorporation of Fatty Acids. ACS Catalysis, 2015, 5, 4519-4529. | 5.5 | 36 |
| 122 | Insights into Functionalâ€Groupâ€Tolerant Polymerization Catalysis with Phosphineâ€“Sulfonamide Palladium(II) Complexes. Chemistry - A European Journal, 2015, 21, 2062-2075. | 1.7 | 24 |
| 123 | Annealing-induced periodic patterns in solution grown polymer single crystals. RSC Advances, 2015, 5, 12974-12980. | 1.7 | 17 |
| 124 | Catalytic Isomerizing Ï‰-Functionalization of Fatty Acids. ACS Catalysis, 2015, 5, 5951-5972. | 5.5 | 74 |
| 125 | Thermoplastic polyester elastomers based on long-chain crystallizable aliphatic hard segments. Polymer Chemistry, 2015, 6, 7133-7137. | 1.9 | 28 |
| 126 | Nanocomposites of Phosphonicâ€Acidâ€Functionalized Polyethylenes with Inorganic Quantum Dots. Macromolecular Rapid Communications, 2015, 36, 165-173. | 2.0 | 8 |

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| 127 | Conjugated Polymer Composite Nanoparticles by Rapid Mixing. Macromolecular Rapid Communications, 2014, 35, 2038-2042. | 2.0 | 3 |
| 128 | Saturated Polarâ€Substituted Polyethylene Elastomers from Insertion Polymerization. Advanced Functional Materials, 2014, 24, 387-395. | 7.8 | 50 |
| 129 | Synthetic Polyester from Algae Oil. Angewandte Chemie - International Edition, 2014, 53, 6800-6804. | 7.2 | 82 |
| 130 | Composites from Aqueous Polyethylene Nanocrystal/Graphene Dispersions. Macromolecules, 2014, 47, 3017-3021. | 2.2 | 16 |
| 131 | Long-chain aliphatic polyesters from plant oils for injection molding, film extrusion and electrospinning. Green Chemistry, 2014, 16, 2008. | 4.6 | 81 |
| 132 | Heterocycle-Substituted Phosphinesulfonato Palladium(II) Complexes for Insertion Copolymerization of Methyl Acrylate. Organometallics, 2014, 33, 2879-2888. | 1.1 | 29 |
| 133 | Monofunctional Hyperbranched Ethylene Oligomers. Journal of the American Chemical Society, 2014, 136, 2078-2085. | 6.6 | 129 |
| 134 | A Comprehensive Mechanistic Picture of the Isomerizing Alkoxycarbonylation of Plant Oils. Journal of the American Chemical Society, 2014, 136, 16871-16881. | 6.6 | 114 |
| 135 | Physical properties and hydrolytic degradability of polyethylene-like polyacetals and polycarbonates. Green Chemistry, 2014, 16, 1816. | 4.6 | 54 |
| 136 | Solid-Supported Single-Component Pd(II) Catalysts for Polar Monomer Insertion Copolymerization. ACS Catalysis, 2014, 4, 2672-2679. | 5.5 | 39 |
| 137 | Selective isomerizationâ€“carbonylation of a terpene trisubstituted double bond. Green Chemistry, 2014, 16, 4541-4545. | 4.6 | 22 |
| 138 | Hybrid Nanoparticles by Step-Growth Sonogashira Coupling in Disperse Systems. Langmuir, 2014, 30, 9905-9910. | 1.6 | 6 |
| 139 | Local Flips and Chain Motion in Polyethylene Crystallites: A Comparison of Melt-Crystallized Samples, Reactor Powders, and Nanocrystals. Macromolecules, 2014, 47, 5163-5173. | 2.2 | 37 |
| 140 | Postâ€Metallocenes in the Industrial Production of Polyolefins. Angewandte Chemie - International Edition, 2014, 53, 9722-9744. | 7.2 | 418 |
| 141 | A Direct Approach to Organic/Inorganic Semiconductor Hybrid Particles via Functionalized Polyfluorene Ligands. Advanced Functional Materials, 2014, 24, 2714-2719. | 7.8 | 24 |
| 142 | Promotion of Selective Pathways in Isomerizing Functionalization of Plant Oils by Rigid Framework Substituents. ChemSusChem, 2014, 7, 3491-3495. | 3.6 | 19 |
| 143 | Electronic Influences in Phosphinesulfonato Palladium(II) Polymerization Catalysts. Organometallics, 2013, 32, 4516-4522. | 1.1 | 87 |
| 144 | A 3-dimensional human embryonic stem cell (hESC)-derived model to detect developmental neurotoxicity of nanoparticles. Archives of Toxicology, 2013, 87, 721-733. | 1.9 | 90 |

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| 145 | Stable Singleâ€Photon Emission by Quantum Dot/Polymer Hybrid Particles. Macromolecular Rapid Communications, 2013, 34, 1145-1150. | 2.0 | 18 |
| 146 | Ideal Polyethylene Nanocrystals. Journal of the American Chemical Society, 2013, 135, 11645-11650. | 6.6 | 71 |
| 147 | Formation and Evolution of Chainâ€Propagating Species Upon Ethylene Polymerization with Neutral Salicylaldiminato Nickel(II) Catalysts. Chemistry - A European Journal, 2013, 19, 11409-11417. | 1.7 | 14 |
| 148 | Long-Spaced Aliphatic Polyesters. Macromolecules, 2013, 46, 7213-7218. | 2.2 | 79 |
| 149 | Anisotropic Polyethylene Nanocrystals Labeled with a Single Fluorescent Dye Molecule: Toward Monitoring of Nanoparticle Orientation. Macromolecules, 2013, 46, 7902-7910. | 2.2 | 19 |
| 150 | Role of Electron-Withdrawing Remote Substituents in Neutral Nickel(II) Polymerization Catalysts. Organometallics, 2013, 32, 5239-5242. | 1.1 | 56 |
| 151 | Enhanced Accuracy of Singleâ€Molecule Diffusion Measurements with a Photocleavable Energyâ€Transfer Dyad. Angewandte Chemie - International Edition, 2013, 52, 12435-12438. | 7.2 | 10 |
| 152 | Enhanced Brightness Emission-Tuned Nanoparticles from Heterodifunctional Polyfluorene Building Blocks. Journal of the American Chemical Society, 2013, 135, 1148-1154. | 6.6 | 67 |
| 153 | Which Polyesters Can Mimic Polyethylene?. Macromolecular Rapid Communications, 2013, 34, 47-50. | 2.0 | 60 |
| 154 | Polyterpenes by ring opening metathesis polymerization of caryophyllene and humulene. Green Chemistry, 2013, 15, 1112. | 4.6 | 44 |
| 155 | Ortho-Phosphinobenzenesulfonate: A Superb Ligand for Palladium-Catalyzed Coordinationâ€“Insertion Copolymerization of Polar Vinyl Monomers. Accounts of Chemical Research, 2013, 46, 1438-1449. | 7.6 | 471 |
| 156 | Incorporation of Vinyl Chloride in Insertion Polymerization. Angewandte Chemie - International Edition, 2013, 52, 3963-3966. | 7.2 | 83 |
| 157 | Large-ring lactones from plant oils. Green Chemistry, 2013, 15, 2361. | 4.6 | 30 |
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