

Olivier Coulembier

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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|--------------------|-------------------------|----------------|-----------------|
| 154 papers | 4,447 citations | 35 h-index | 59 g-index |
| 163 ext. papers | 4,964 ext. citations | 6.6 avg, IF | 5.51 L-index |

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 154 | Stereoretention in the Bulk ROP of L-Lactide Guided by a Thermally Stable Organocatalyst. <i>Macromolecules</i> , 2021 , 54, 6214-6225 | 5.5 | 5 |
| 153 | Helical Peptoid Ions in the Gas Phase: Thwarting the Charge Solvation Effect by H-Bond Compensation. <i>Biomacromolecules</i> , 2021 , 22, 3543-3551 | 6.9 | 0 |
| 152 | Organocatalytic Synthesis of Alkyne-Functional Aliphatic Polycarbonates via Ring-Opening Polymerization of an Eight-Membered-N-Cyclic Carbonate. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2000378 | 4.8 | 2 |
| 151 | Accelerating effect of crown ethers on the lactide polymerization catalysed by potassium acetate. <i>Catalysis Science and Technology</i> , 2021 , 11, 4387-4391 | 5.5 | 1 |
| 150 | A chiral thiourea and a phosphazene for fast and stereoselective organocatalytic ring-opening-polymerization of racemic lactide. <i>Chemical Communications</i> , 2021 , 57, 3777-3780 | 5.8 | 3 |
| 149 | Accelerating the crystallization kinetics of linear polylactides by adding cyclic poly (L-lactide): Nucleation, plasticization and topological effects. <i>International Journal of Biological Macromolecules</i> , 2021 , 186, 255-267 | 7.9 | 3 |
| 148 | Photocontrolled lactide ROP by the light-regulated release of potassium acetate from an azobenzene-bridged crown ether. <i>Catalysis Science and Technology</i> , 2021 , 11, 6048-6052 | 5.5 | 0 |
| 147 | Cyclic polymers: Advances in their synthesis, properties, and biomedical applications. <i>Journal of Polymer Science</i> , 2020 , 58, 1481-1502 | 2.4 | 28 |
| 146 | Stereoselective ROP of rac- and meso-Lactides Using Achiral TBD as Catalyst. <i>Catalysts</i> , 2020 , 10, 620 | 4 | 8 |
| 145 | Limitations of ion mobility spectrometry-mass spectrometry for the relative quantification of architectural isomeric polymers: A case study. <i>Rapid Communications in Mass Spectrometry</i> , 2020 , 34 Suppl 2, e8660 | 2.2 | 2 |
| 144 | Update and Challenges in Carbon Dioxide-Based Polycarbonate Synthesis. <i>ChemSusChem</i> , 2020 , 13, 469-487 | 8.7 | 60 |
| 143 | Assessing the Structural Heterogeneity of Isomeric Homo and Copolymers: an Approach Combining Ion Mobility Mass Spectrometry and Molecular Dynamics Simulations. <i>Journal of the American Society for Mass Spectrometry</i> , 2020 , 31, 2379-2388 | 3.5 | 1 |
| 142 | Design of naturally inspired jellyfish-shaped cyclopolylactides to manage osteosarcoma cancer stem cells fate. <i>Materials Science and Engineering C</i> , 2020 , 117, 111291 | 8.3 | 5 |
| 141 | Tough and Three-Dimensional-Printable Poly(2-methoxyethyl acrylate)-Silica Composite Elastomer with Antiplatelet Adhesion Property. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 46621-46628 | 9.5 | 5 |
| 140 | Selective Organocatalytic Preparation of Trimethylene Carbonate from Oxetane and Carbon Dioxide. <i>ACS Catalysis</i> , 2020 , 10, 5399-5404 | 13.1 | 17 |
| 139 | Polyether Synthesis by Bulk Self-Condensation of Diols Catalyzed by Non-Eutectic Acid-Base Organocatalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 4103-4111 | 8.3 | 22 |
| 138 | Metal-free synthesis of poly(trimethylene carbonate) by efficient valorization of carbon dioxide. <i>Green Chemistry</i> , 2019 , 21, 472-477 | 10 | 19 |

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| 137 | Photoactive Boron-Nitrogen-Carbon Hybrids: From Azo-borazines to Polymeric Materials. <i>Journal of Organic Chemistry</i> , 2019 , 84, 9101-9116 | 4.2 | 6 |
| 136 | One Step Further in the Characterization of Synthetic Polymers by Ion Mobility Mass Spectrometry: Evaluating the Contribution of End-groups. <i>Polymers</i> , 2019 , 11, | 4.5 | 8 |
| 135 | Diblock copolymers consisting of a redox polymer block based on a stable radical linked to an electrically conducting polymer block as cathode materials for organic radical batteries. <i>Polymer Chemistry</i> , 2019 , 10, 2570-2578 | 4.9 | 6 |
| 134 | Isomorphic Polyoxyalkylene Copolyethers Obtained by Copolymerization of Aliphatic Diols. <i>Macromolecules</i> , 2019 , 52, 3506-3515 | 5.5 | 17 |
| 133 | How cyclic chain topology can reduce the crystallization rate of poly(3-hexylthiophene) and promote the formation of liquid crystalline phases in comparison with linear analogue chains. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 6548-6558 | 7.1 | 6 |
| 132 | Bulk Organocatalytic Synthetic Access to Statistical Copolyesters from L-Lactide and ε-Caprolactone Using Benzoic Acid. <i>Biomacromolecules</i> , 2019 , 20, 1965-1974 | 6.9 | 19 |
| 131 | Simultaneous D-Alkyl and D-Acyl Lactone Cleavages from Hydroxy Carboxylic Acid Initiators: Direct Access to Multiblock Architectures. <i>Macromolecules</i> , 2019 , 52, 6382-6392 | 5.5 | 6 |
| 130 | Development of Inherently Flame-Retardant Phosphorylated PLA by Combination of Ring-Opening Polymerization and Reactive Extrusion. <i>Materials</i> , 2019 , 13, | 3.5 | 10 |
| 129 | Benzoic Acid as an Efficient Organocatalyst for the Statistical Ring-Opening Copolymerization of ε-Caprolactone and L-Lactide: A Computational Investigation. <i>Macromolecules</i> , 2019 , 52, 9238-9247 | 5.5 | 13 |
| 128 | Reactive Extrusion and Magnesium (II) -Heterocyclic Carbene Catalyst in Continuous PLA Production. <i>Polymers</i> , 2019 , 11, | 4.5 | 2 |
| 127 | Preparation of a mimetic and degradable poly(ethylene glycol) by a non-eutectic mixture of organocatalysts (NEMO) a one-pot two-step process.. <i>RSC Advances</i> , 2019 , 9, 40013-40016 | 3.7 | 6 |
| 126 | Organocatalysis applied to the ring-opening polymerization of lactones: A brief overview. <i>Journal of Polymer Science Part A</i> , 2019 , 57, 657-672 | 2.5 | 16 |
| 125 | Capillary rise of polydimethylsiloxane around a poly(ethylene terephthalate) fiber versus viscosity: Existence of a sharp transition in the dynamic wetting behavior. <i>Journal of Colloid and Interface Science</i> , 2019 , 536, 499-506 | 9.3 | 8 |
| 124 | Influence of Chain Topology (Cyclic versus Linear) on the Nucleation and Isothermal Crystallization of Poly(l-lactide) and Poly(d-lactide). <i>Macromolecules</i> , 2018 , 51, 1718-1732 | 5.5 | 37 |
| 123 | Scope and limitations of ring-opening copolymerization of trimethylene carbonate with substituted ε-hiolactones. <i>Polymer Chemistry</i> , 2018 , 9, 2769-2774 | 4.9 | 13 |
| 122 | Functionalization of P3HT-Based Hybrid Materials for Photovoltaic Applications 2018 , 107-177 | | 0 |
| 121 | Reinvestigation of the mechanism of polymerization of ε-butyrolactone from 1,5,7-triazabicyclo[4.4.0]dec-5-ene. <i>Polymer Chemistry</i> , 2018 , 9, 1840-1847 | 4.9 | 11 |
| 120 | Improving the Performance of Batteries by Using Multi-Pyrene PTMA Structures. <i>Batteries and Supercaps</i> , 2018 , 1, 102-109 | 5.6 | 14 |

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| 119 | Extending the Scope of Benign and Thermally Stable Organocatalysts: Application of Dibenzoylmethane for the Bulk Copolymerization of L-Lactide and ε-Caprolactone. <i>Journal of Polymer Science Part A</i> , 2018 , 56, 475-479 | 2.5 | 7 |
| 118 | Benzoic acid-organocatalyzed ring-opening (co)polymerization (ORO(c)P) of L-lactide and ε-caprolactone under solvent-free conditions: from simplicity to recyclability. <i>Green Chemistry</i> , 2018 , 20, 5385-5396 | 10 | 13 |
| 117 | Isoselective Ring-Opening Polymerization of rac-Lactide from Chiral Takemoto® Organocatalysts: Elucidation of Stereocontrol. <i>ACS Macro Letters</i> , 2018 , 7, 1413-1419 | 6.6 | 35 |
| 116 | Macrocyclic P3HT Obtained by Intramolecular McMurry Coupling of Linear Bis-Aldehyde Polymer: A Direct Comparison with Linear Homologue. <i>Macromolecules</i> , 2017 , 50, 1939-1949 | 5.5 | 9 |
| 115 | Organocatalytic ring-opening polymerization of L-lactide in bulk: A long standing challenge. <i>European Polymer Journal</i> , 2017 , 95, 628-634 | 5.2 | 59 |
| 114 | Synthesis and characterization of poly (ε-caprolactam-co-lactide) polyesteramides using Brønsted acid or Brønsted base organocatalyst. <i>European Polymer Journal</i> , 2017 , 95, 650-659 | 5.2 | 13 |
| 113 | Potential of polymethacrylate pseudo crown ethers as solid state polymer electrolytes. <i>Chemical Communications</i> , 2017 , 53, 6899-6902 | 5.8 | 11 |
| 112 | Isotactic degradable polyesters derived from O-carboxyanhydrides of L-lactic and L-malic acid using a single organocatalyst/initiator system. <i>European Polymer Journal</i> , 2017 , 95, 660-670 | 5.2 | 12 |
| 111 | Polymers for Traveling Wave Ion Mobility Spectrometry Calibration. <i>Journal of the American Society for Mass Spectrometry</i> , 2017 , 28, 2483-2491 | 3.5 | 35 |
| 110 | Preparation of highly pure cyclo-poly lactides by optimization of the copper-catalyzed azide-alkyne cycloaddition reaction. <i>Polimery</i> , 2017 , 62, 283-290 | 3.4 | 2 |
| 109 | Special Issue in: Organocatalyzed polymerizations. <i>European Polymer Journal</i> , 2017 , 95, 625-627 | 5.2 | |
| 108 | Synthesis and Characterization of Double Crystalline Cyclic Diblock Copolymers of Poly(ε-caprolactone) and Poly(L(D)-lactide) (c(PCL-b- PL(D)LA)). <i>Macromolecular Rapid Communications</i> , 2016 , 37, 1676-1681 | 4.8 | 18 |
| 107 | Cyclic Polymers by Ring-Closure Strategies. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 13944-13958 | 10.4 | 79 |
| 106 | Synthese cyclischer Polymere durch Ringschluss-Strategien. <i>Angewandte Chemie</i> , 2016 , 128, 14150-14164 | 5.6 | 10 |
| 105 | Nanoporous poly(3-hexylthiophene) thin films based on click-prepared degradable diblock copolymers. <i>RSC Advances</i> , 2016 , 6, 33468-33477 | 3.7 | 5 |
| 104 | Expanding the light absorption of poly(3-hexylthiophene) by end-functionalization with extended porphyrins. <i>Chemical Communications</i> , 2016 , 52, 171-4 | 5.8 | 11 |
| 103 | Regioregular Polythiophene-Porphyrin Supramolecular Copolymers for Optoelectronic Applications. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 445-458 | 2.6 | 11 |
| 102 | Synthesis of Polyphthalaldehyde-Based Block Copolymers: Utilization of a Thermo-Sacrificial Segment for an Easy Access to Fine-Tuned Poly(3-hexylthiophene) Nanostructured Films. <i>Macromolecules</i> , 2016 , 49, 3001-3008 | 5.5 | 12 |

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| 101 | A Sunlight-Induced Click Reaction as an Efficient Route to Cyclic Aliphatic Polyesters. <i>Macromolecular Chemistry and Physics</i> , 2015 , 216, 1227-1234 | 2.6 | 15 |
| 100 | Efficiency of DBU/iodine cooperative dual catalysis for the solvent-free synthesis of five-membered cyclic carbonates under atmospheric CO ₂ pressure. <i>Journal of CO₂ Utilization</i> , 2015 , 10, 7-11 | 7.6 | 27 |
| 99 | Self-assembled conjugated polyelectrolyte-surfactant complexes as efficient cathode interlayer materials for bulk heterojunction organic solar cells. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 23905-23916 | 13 | 15 |
| 98 | Organocatalysis paradigm revisited: are metal-free catalysts really harmless?. <i>Biomacromolecules</i> , 2015 , 16, 507-14 | 6.9 | 89 |
| 97 | Linear polyethylenimine as (multi) functional initiator for organocatalytic L-lactide polymerization. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 612-619 | 7.3 | 5 |
| 96 | A tandem mass spectrometry-based method to assess the architectural purity of synthetic polymers: a case of a cyclic polylactide obtained by click chemistry. <i>Polymer Chemistry</i> , 2015 , 6, 64-69 | 4.9 | 42 |
| 95 | Deposition of porous titanium oxide thin films as anode material for dye sensitized solar cells. <i>Vacuum</i> , 2015 , 114, 213-220 | 3.7 | 25 |
| 94 | Polyphthalaldehyde-block-polystyrene as a nanochannel template. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 3578-3581 | 7.3 | 12 |
| 93 | Control over molar mass, dispersity, end-groups and kinetics in cyclopolymerization of ortho-phthalaldehyde: adapted choice of a phosphazene organocatalyst. <i>Polymer Chemistry</i> , 2014 , 5, 706-711 | 4.9 | 17 |
| 92 | One-step synthesis of polylactide macrocycles from sparteine-initiated ROP. <i>Polymer Chemistry</i> , 2014 , 5, 2103 | 4.9 | 25 |
| 91 | Ambient temperature catalyst-free light-induced preparation of macrocyclic aliphatic polyesters. <i>Chemical Communications</i> , 2014 , 50, 2024-6 | 5.8 | 33 |
| 90 | Ammonium betaines: efficient ionic nucleophilic catalysts for the ring-opening polymerization of L-lactide and cyclic carbonates. <i>Chemical Communications</i> , 2014 , 50, 10098-101 | 5.8 | 23 |
| 89 | A one-pot two-step efficient metal-free process for the generation of PEO-b-PCL-b-PLA amphiphilic triblock copolymers. <i>RSC Advances</i> , 2014 , 4, 10028 | 3.7 | 23 |
| 88 | External and Reversible CO ₂ Regulation of Ring-Opening Polymerizations Based on a Primary Alcohol Propagating Species. <i>Macromolecules</i> , 2014 , 47, 486-491 | 5.5 | 34 |
| 87 | Implementation of metal-free ring-opening polymerization in the preparation of aliphatic polycarbonate materials. <i>Progress in Polymer Science</i> , 2014 , 39, 1144-1164 | 29.6 | 158 |
| 86 | Meisenheimer Complex Inspired Catalyst- and Solvent-Free Synthesis of Noncyclic Poly(aryl ether sulfone)s. <i>Macromolecules</i> , 2014 , 47, 8131-8136 | 5.5 | 10 |
| 85 | Molecular Weight Dependence of Exciton Diffusion in Poly(3-hexylthiophene). <i>Advanced Energy Materials</i> , 2013 , 3, 1445-1453 | 21.8 | 32 |
| 84 | Assessment of end-group functionality in atom transfer radical polymerization of N-isopropylacrylamide. <i>European Polymer Journal</i> , 2013 , 49, 2344-2355 | 5.2 | 8 |

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| 83 | Synthesis and post-polymerisation modifications of aliphatic poly(carbonate)s prepared by ring-opening polymerisation. <i>Chemical Society Reviews</i> , 2013 , 42, 1312-36 | 58.5 | 253 |
| 82 | Macrocyclic regioregular poly(3-hexylthiophene): from controlled synthesis to nanotubular assemblies. <i>Polymer Chemistry</i> , 2013 , 4, 237-241 | 4.9 | 15 |
| 81 | Amphiphilic semiconducting copolymer as compatibility layer for printing polyelectrolyte-gated OFETs. <i>Organic Electronics</i> , 2013 , 14, 790-796 | 3.5 | 10 |
| 80 | Inverse dependencies on the polymerization rate in atom transfer radical polymerization of N-isopropylacrylamide in aqueous medium. <i>Reactive and Functional Polymers</i> , 2013 , 73, 484-491 | 4.6 | 14 |
| 79 | Amphiphilic Poly(3-hexylthiophene)-Based Semiconducting Copolymers for Printing of Polyelectrolyte-Gated Organic Field-Effect Transistors. <i>Macromolecules</i> , 2013 , 46, 4548-4557 | 5.5 | 12 |
| 78 | Porphyrins fused to N-heterocyclic carbenes (NHCs): modulation of the electronic and catalytic properties of NHCs by the central metal of the porphyrin. <i>Chemistry - A European Journal</i> , 2013 , 19, 15652-60 | 4.8 | 27 |
| 77 | Preparation and copolymerization of a functionalized lactone with (DHQD)2AQN. <i>Green Materials</i> , 2013 , 1, 203-208 | 3.2 | 1 |
| 76 | Controllable processes for generating large single crystals of poly(3-hexylthiophene). <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 11131-5 | 16.4 | 139 |
| 75 | An imidazole-based organocatalyst designed for bulk polymerization of lactide isomers: inspiration from Nature. <i>Chemical Communications</i> , 2012 , 48, 11695-7 | 5.8 | 29 |
| 74 | Controllable Processes for Generating Large Single Crystals of Poly(3-hexylthiophene). <i>Angewandte Chemie</i> , 2012 , 124, 11293-11297 | 3.6 | 15 |
| 73 | Traces do matter: Purity of 4-methyl-2-oxetanone and its effect on anionic ring-opening polymerization as evidenced by phosphazene superbase catalysis. <i>Reactive and Functional Polymers</i> , 2012 , 72, 509-520 | 4.6 | 24 |
| 72 | Optoelectronic Devices: CNTs in Optoelectronic Devices: New Structural and Photophysical Insights on Porphyrin-DWCNTs Hybrid Materials (Adv. Funct. Mater. 15/2012). <i>Advanced Functional Materials</i> , 2012 , 22, 3315-3315 | 15.6 | 1 |
| 71 | Synthesis of poly(L-lactide) and gradient copolymers from a L-lactide/trimethylene carbonate eutectic melt. <i>Chemical Science</i> , 2012 , 3, 723-726 | 9.4 | 36 |
| 70 | Ring-Opening Polymerization of Cyclic Esters: Industrial Synthesis, Properties, Applications, and Perspectives 2012 , 761-778 | | 8 |
| 69 | Copper-Catalyzed Dehydrogenative Polycondensation of a Bis-Aniline Hexylthiophene-Based Monomer: A Kinetically Controlled Air-Tolerant Process. <i>Macromolecules</i> , 2012 , 45, 9547-9550 | 5.5 | 18 |
| 68 | Synthesis and characterization of carboxystyryl end-functionalized poly(3-hexylthiophene)/TiO ₂ hybrids in view of photovoltaic applications. <i>Synthetic Metals</i> , 2012 , 162, 1615-1622 | 3.6 | 20 |
| 67 | 4-dimethylaminopyridine-based organoactivation: From simple esterification to lactide ring-opening living polymerization. <i>Journal of Polymer Science Part A</i> , 2012 , 50, 1672-1680 | 2.5 | 13 |
| 66 | CNTs in Optoelectronic Devices: New Structural and Photophysical Insights on Porphyrin-DWCNTs Hybrid Materials. <i>Advanced Functional Materials</i> , 2012 , 22, 3209-3222 | 15.6 | 26 |

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| 65 | Functionalized cyclic carbonates: from synthesis and metal-free catalyzed ring-opening polymerization to applications. <i>Polymer Chemistry</i> , 2011 , 2, 528-533 | 4.9 | 134 |
| 64 | Dual Versatility of Triazolium-Based Cyclic Carbonate Inimer: From Homopolymerization to On-Demand Thermally Activated Initiating Site. <i>Macromolecules</i> , 2011 , 44, 7493-7498 | 5.5 | 18 |
| 63 | Collision-induced dissociation of polymer ions: Charge driven decomposition for sodium-cationized polylactides and isomeric end-group distinction. <i>International Journal of Mass Spectrometry</i> , 2011 , 308, 11-17 | 1.9 | 12 |
| 62 | Novel regioregular poly(3-hexylthiophene)-based polycationic block copolymers. <i>Polymer Bulletin</i> , 2011 , 66, 51-64 | 2.4 | 17 |
| 61 | Organocatalytic depolymerization of poly(ethylene terephthalate). <i>Journal of Polymer Science Part A</i> , 2011 , 49, 1273-1281 | 2.5 | 105 |
| 60 | MALDI-ToF analysis of polythiophene: use of trans-2-[3-(4-t-butyl-phenyl)-2-methyl-2-propenylidene]malononitrile-DCTB-as matrix. <i>Journal of Mass Spectrometry</i> , 2011 , 46, 237-46 | 2.2 | 59 |
| 59 | Size dependence of the folding of multiply charged sodium cationized polylactides revealed by ion mobility mass spectrometry and molecular modelling. <i>Chemistry - A European Journal</i> , 2011 , 17, 9738-45 | 4.8 | 39 |
| 58 | Thermal degradation of poly(L-lactide): Accelerating effect of residual DBU-based organic catalysts. <i>Polymer Degradation and Stability</i> , 2011 , 96, 739-744 | 4.7 | 28 |
| 57 | Comparison of Matrix Assisted Laser Desorption/ Ionization Mass Spectrometry with Electrospray Ionisation Mass Spectrometry for the characterisation of semitelechelic polyethylene oxide. <i>E-Polymers</i> , 2010 , 10, | 2.7 | 1 |
| 56 | Synthesis and supramolecular organization of regioregular polythiophene block oligomers. <i>Journal of Organic Chemistry</i> , 2010 , 75, 1561-8 | 4.2 | 41 |
| 55 | Controlled room temperature ROP of L-lactide by ICl ₃ : a simple halogen-bonding catalyst. <i>Polymer Chemistry</i> , 2010 , 1, 434-437 | 4.9 | 70 |
| 54 | Probe-Based Nanolithography: Self-Amplified Depolymerization Media for Dry Lithography. <i>Macromolecules</i> , 2010 , 43, 572-574 | 5.5 | 70 |
| 53 | Stereocomplexed Materials Based on Poly(3-hexylthiophene)-b-poly(lactide) Block Copolymers: Synthesis by Organic Catalysis, Thermal Properties, and Microscopic Morphology. <i>Macromolecules</i> , 2010 , 43, 8957-8964 | 5.5 | 27 |
| 52 | High Molecular Weight Poly(α , ω -Disubstituted Lactones) As Generated by Metal-Free Phosphazene Catalysts.. <i>Macromolecules</i> , 2010 , 43, 10291-10296 | 5.5 | 41 |
| 51 | Imidazolium end-functionalized poly(L-lactide) for efficient carbon nanotube dispersion. <i>Chemical Communications</i> , 2010 , 46, 5527-9 | 5.8 | 30 |
| 50 | From Jellyfish Macromolecular Architectures to Nanodoughnut Self-Assembly. <i>Macromolecules</i> , 2010 , 43, 575-579 | 5.5 | 21 |
| 49 | Probe-based 3-D nanolithography using self-amplified depolymerization polymers. <i>Advanced Materials</i> , 2010 , 22, 3361-5 | 24 | 123 |
| 48 | Synthesis and Characterization of Nanocomposites Based on Functional Regioregular Poly(3-hexylthiophene) and Multiwall Carbon Nanotubes. <i>Macromolecular Rapid Communications</i> , 2010 , 31, 1427-34 | 4.8 | 40 |

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| 47 | Synthesis of brush-like copolymers using carbohydrates as initiators: Benefits of organic catalysts for the ROP of lactones. <i>Reactive and Functional Polymers</i> , 2010 , 70, 747-754 | 4.6 | 5 |
| 46 | Mechanistic study of the collision-induced dissociation of sodium-cationized polylactide oligomers: a joint experimental and theoretical investigation. <i>Journal of the American Society for Mass Spectrometry</i> , 2010 , 21, 1159-68 | 3.5 | 24 |
| 45 | Regioregular poly(3-hexylthiophene)-poly(ϵ -caprolactone) block copolymers: Controlled synthesis, microscopic morphology, and charge transport properties. <i>Organic Electronics</i> , 2010 , 11, 767-774 | 3.5 | 36 |
| 44 | Synthesis of amphiphilic A3B mikto-arm copolymers from a sugar core: Combination of hydrophobic PCL and hydrophilic glycopolymers for biocompatible nanovector preparation. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 3271-3280 | 2.5 | 9 |
| 43 | (E)-3-(2,3,4,5,6-Penta-fluoro-styr-yl)thio-phen. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010 , 66, o896-7 | | 2 |
| 42 | Hydrogen-Bonding Catalysts Based on Fluorinated Alcohol Derivatives for Living Polymerization. <i>Angewandte Chemie</i> , 2009 , 121, 5272-5275 | 3.6 | 24 |
| 41 | Hydrogen-bonding catalysts based on fluorinated alcohol derivatives for living polymerization. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 5170-3 | 16.4 | 96 |
| 40 | Amphiphilic poly(D- or L-lactide)-b-poly(N,N-dimethylamino-2-ethyl methacrylate) block copolymers: controlled synthesis, characterization, and stereocomplex formation. <i>Biomacromolecules</i> , 2009 , 10, 1217-23 | 6.9 | 62 |
| 39 | Cumulated advantages of enzymatic and carbene chemistry for the non-organometallic synthesis of (co)polyesters. <i>Chemical Communications</i> , 2009 , 2472-4 | 5.8 | 13 |
| 38 | Metastable processes investigated on an orthogonal-axis time-of-flight instrument: mass-scale calibration and application. <i>European Journal of Mass Spectrometry</i> , 2009 , 15, 431-7 | 1.1 | 5 |
| 37 | Controlled synthesis of amphiphilic block copolymers based on polyester and poly(amino methacrylate): Comprehensive study of reaction mechanisms. <i>Reactive and Functional Polymers</i> , 2008 , 68, 990-1003 | 4.6 | 30 |
| 36 | Carbohydrate-based amphiphilic diblock copolymers: Synthesis, characterization, and aqueous properties. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 3662-3672 | 2.5 | 31 |
| 35 | Synthesis of adaptative and amphiphilic polymer model conetworks by versatile combination of ATRP, ROP, and Click chemistry. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 4997-5013 | 2.5 | 43 |
| 34 | Novel biodegradable adaptive hydrogels: controlled synthesis and full characterization of the amphiphilic co-networks. <i>Chemistry - A European Journal</i> , 2008 , 14, 6369-78 | 4.8 | 26 |
| 33 | Synthesis and characterization of original 2-(dimethylamino)ethyl methacrylate/poly(ethyleneglycol) star-copolymers. <i>European Polymer Journal</i> , 2008 , 44, 3715-3723 | 5.2 | 16 |
| 32 | A distinctive organocatalytic approach to complex macromolecular architectures. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 4719-21 | 16.4 | 48 |
| 31 | A Distinctive Organocatalytic Approach to Complex Macromolecular Architectures. <i>Angewandte Chemie</i> , 2007 , 119, 4803-4805 | 3.6 | 2 |
| 30 | One-Pot Synthesis of Well-Defined Amphiphilic and Adaptative Block Copolymers via Versatile Combination of Click Chemistry and ATRP. <i>Macromolecular Rapid Communications</i> , 2007 , 28, 2151-2158 | 4.8 | 73 |

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| 29 | Synthesis of Biomimetic Poly(hydroxybutyrate): Alkoxy- and Carboxytriazolines as Latent Ionic Initiator. <i>Macromolecules</i> , 2007 , 40, 8560-8567 | 5.5 | 32 |
| 28 | Bulk Polymerization of (L,L)-Lactide Using Non-Organometallic Triazolium Carbene: Limited Advantages. <i>The Open Macromolecules Journal</i> , 2007 , 1, 1-5 | | 4 |
| 27 | Synthesis and Micellization Properties of Novel Symmetrical Poly(ϵ -caprolactone-b-[R,S] ϵ -malic acid-b- ϵ -caprolactone) Triblock Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2006 , 207, 484-491 | 2.6 | 17 |
| 26 | Metal-Free Catalyzed Ring-Opening Polymerization of ϵ -Lactones: Synthesis of Amphiphilic Triblock Copolymers Based on Poly(dimethylmalic acid). <i>Macromolecules</i> , 2006 , 39, 4001-4008 | 5.5 | 81 |
| 25 | From controlled ring-opening polymerization to biodegradable aliphatic polyester: Especially poly(ϵ -malic acid) derivatives. <i>Progress in Polymer Science</i> , 2006 , 31, 723-747 | 29.6 | 314 |
| 24 | Alcohol Adducts of N-Heterocyclic Carbenes: Latent Catalysts for the Thermally-Controlled Living Polymerization of Cyclic Esters. <i>Macromolecules</i> , 2006 , 39, 5617-5628 | 5.5 | 133 |
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