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Catalysis for functional and biobased Polymers



Representative Publications

R. Mundil, F. Kayser, A. Favrelle-Huret, G. Stoclet, P. Zinck
Organocatalytic sequential ring-opening polymerization of a cyclic ester and anionic polymerization of a vinyl monomer
Chem. Commun., 2020, **56**, 8067

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Synthesis of levulinic acid based poly(amine-co-ester)s
Green Chemistry, 2019, **21**, 123–128.

Y. Bernhard, S. Pellegrini, T. Bousquet, A. Favrelle, L. Pelinski, F. Cazaux, V. Gaucher, P. Gerbaux and P. Zinck
Reductive Amination/Cyclization of Methyl Levulinate with Aspartic Acid: Towards Renewable Polyesters with a Pendant Lactam Unit
ChemSusChem, 2019, **12**, 3370–3376.

Y. Mohammadi, M. R. Saeb, A. Penlidis, E. Jabbari, P. Zinck, F. J. Stadler and K. Matyjaszewski,
Intelligent Monte Carlo: A New Paradigm for Inverse Polymerization Engineering, *Macromolecular Theory and Simulations*, 2018, 1700106.

Y. Phuphuak, F. Bonnet, G. Stoclet, M. Bria and P. Zinck,
Isoprene chain shuttling polymerisation between cis and trans regulating catalysts: straightforward access to a new material
Chem. Commun., 2017, **53**, 5330–5333.

A. Valente, G. Stoclet, F. Bonnet, A. Mortreux, M. Visseaux and P. Zinck,
Isoprene-Styrene Chain Shuttling Copolymerization Mediated by a Lanthanide Half-Sandwich Complex and a Lanthanidocene: Straightforward Access to a New Type of Thermoplastic Elastomers
Angew. Chem. Int. Ed., 2014, **53**, 4638–4641.

S. Georges, A. O. Touré, M. Visseaux and P. Zinck,
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A. Valente, A. Mortreux, M. Visseaux, P. Zinck
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