

	Title	Authors	Date	Publication	Keywords
1	Microwave-Assisted Synthesis of 1,5- and 2,6-Linked Naphthylene-Based Ladder Polymers	Benjamin S. Nehls, Stefan Fuldner, Eduard Preis, Tony Farrell , and Ullrich Scherf	2005	Macromolecules, Vol. 38, No. 3, 2005	Suzuki, 2,6-naphthylene polyketone, ladder polymer, optoelectronic
2	Selective microwave-accelerated synthesis and polymerization of chiral methylacrylamide directly from methacrylic acid and (R)-1-phenyl-ethyamine	Valentina Alupei, Mauro Iannelli, Helmut Ritter	2005	Tetrahedron 61 (2005) 1509-1515	methylacrylamide, amidation, solvent-free
3	Microwave-Assisted Single-Step Synthesis of Poly(alkylene hydrogen phosphonate)s by Transesterification of Dimethyl Hydrogen Phosphonate with Poly(ethylene glycol)	Ella Bezdushna, Helmut Ritter , Kolio Troev	2005	Macromol. Rapid Commun. 2005, 26, 471–476	transesterification, poly(alkylene hydrogen phosphonate)s, dimethyl hydrogen phosphonate, poly(ethylene glycol), polymer, open vessel
4	Microwave-Assisted Direct Synthesis and Polymerization of Chiral Acrylamide	Mauro Iannelli, Helmut Ritter	2005	Macromol. Chem. Phys. 2005, 206, 349–353	acrylamides, chiral polymers, radical polymerization, acrylic acid, phenylethyamine
5	Microwave Accelerated Polymerization of 2-Phenyl-2-oxazoline	Sebastian Sinnwell, Helmut Ritter	2005	Macromol. Rapid Commun. 2005, 26, 160–163	cationic ring-opening polymerization, 2-phenyl-2-oxazoline, poly(N-benzoylethylenimine), open vessel
6	Green Polymer Chemistry: Microwave-Assisted Single Step Synthesis of Various (Meth)acrylamides and Poly(meth)acrylamides Directly from (Meth)acrylic Acid and Amines	Goretzki, C; Krlej, J; Ritter, H ; Steffens, C.	2004	Macromol Rapid Commun, 2004, 25, 513-516	acrylamides, (meth)acrylic acid, amine, solvent-free, green chemistry

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Semiconducting Polymers via Microwave-Assisted Suzuki and Stille-Cross Coupling Reactions

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