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Titolo	Syndiotactic polystyrene [[electronic resource] ] : synthesis, characterization, processing, and applications / / Jurgen Schellenberg
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Altri autori (Persone)	SchellenbergJurgen
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Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	SYNDIOTACTIC POLYSTYRENE; CONTENTS; PREFACE; CONTRIBUTORS; ABOUT THE EDITOR; PART I INTRODUCTION; 1. Historical Overview and Commercialization of Syndiotactic Polystyrene; 1.1 Discovery of Syndiotactic Polystyrene (SPS); 1.2 Early Years of Development (1985-1989); 1.3 Intense Development Years (1989-1996); 1.4 Initial Commercial Launch Stage (1996-2001); 1.5 Years 2001-2007; PART II PREPARATION OF SYNDIOTACTIC POLYSTYRENE; 2. Transition Metal Catalysts for Syndiotactic Polystyrene; 2.1 Introduction; 2.2 Transition Metal Compounds; 2.2.1 Metals; 2.2.2 Titanium Complexes 2.2.3 Molecular Weight Control 2.2.4 Supported and Heterogeneous Catalysts; 2.3 Summary; References; 3. Cocatalysts for the Syndiospecific Styrene Polymerization; 3.1 Introduction; 3.2 MAO; 3.3 Boron Compounds; 3.4 Other Chemicals; 3.5 Summary; References; 4. Mechanisms for Stereochemical Control in the Syndiotactic Polymerization of Styrene; 4.1 Introduction; 4.2 Insertion of the Growing Polymer Chain into the Double Bond of Styrene; 4.3 Stereochemistry of the Styrene Insertion; 4.4 Effects of Hydrogenation of the Catalyst; 4.5 Active Site Species; 4.5.1 Valence of Active Sites 4.5.2 Number of Active Sites 4.5.3 Structure of Active Sites; 4.6

Theoretical Analysis of the Catalyst; 4.7 Kinetic Analysis of Styrene Polymerization; 4.8 Conclusions; References; 5. Copolymerization of Ethylene with Styrene: Design of Efficient Transition Metal Complex Catalysts; 5.1 Introduction; 5.2 Ethylene/Styrene Copolymers: Microstructures, Thermal Properties, and Composition Analyses; 5.3 Ethylene/Styrene Copolymerization Using Transition Metal Complex-Cocatalyst Systems; 5.3.1 Half-Titanocenes, Cp TiX(3); 5.3.2 Linked (Constrained Geometry Type) Half-Titanocenes; 5.3.3 Modified Half-Titanocenes, C(p )Ti(L)X(2); 5.3.4 Non-Cp Titanium Complexes; 5.3.5 Metallocenes; 5.3.6 Others; 5.4 Summary and Outlook; References; 6. Structure and Properties of Tetrabenzofluorenyl-Based Titanium Catalysts; 6.1 Introduction; 6.2 The Tbf Ligand; 6.3 Tbf Lithium; 6.3.1 Synthesis and Characterization of Tbf Lithium; 6.4 Tbf Titanium(III) Derivatives; 6.4.1 Synthesis of Tbf Titanium(III) Chloride Complexes; 6.4.2 Reaction of TbfTi(III)Cl(2)(THF) (VIII) with Radicals; 6.5 Tbf Titanium(IV) Derivatives; 6.5.1 Synthesis of Tbf Titanium Monophenoxide Complexes; 6.6 Dynamic and Polymerization Behavior of Tetrabenzofluorenyl Titanium Complexes; 6.6.1 Styrene Polymerization; 6.7 Conclusions; References; 7. Rare-Earth Metal Complexes as Catalysts for Syndiospecific Styrene Polymerization; 7.1 Introduction; 7.2 Metallocene Catalysts; 7.3 Constrained Geometry Catalysts; 7.4 Half-Sandwich Catalysts; 7.5 Nonmetallocene Catalysts; 7.6 Conclusion; References; 8. Syndiospecific Styrene Polymerization with Heterogenized Transition Metal Catalysts; 8.1 Introduction; 8.2 Kinetics of Syndiospecific Polymerization with Heterogeneous Metallocene Catalysts; 8.2.1 Kinetic Profiles of Heterogeneous SPS Polymerization

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## Sommario/riassunto

Syndiotactic Polystyrene (SPS), synthesized in a laboratory for the first time in 1985, has become commercialized in a very short time, with wide acceptance on the global plastics market. Written by leading experts from academia and industry from all over the world, Syndiotactic Polystyrene offers a comprehensive review of all aspects of SPS of interest to both science and industry, from preparation and properties to applications. This essential reference to SPS covers: The preparation of syndiotactic polystyrene by half-metallocenes and other transition metal catalysts<

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Autore	Qvortrup Mads
Titolo	Referendums and ethnic conflict / / Matt Qvortrup
Pubbl/distr/stampa	Philadelphia, Pennsylvania : , : University of Pennsylvania Press, , 2014 ©2014
ISBN	0-8122-0932-X
Descrizione fisica	1 online resource (198 pages)
Collana	National and Ethnic Conflict in the 21st Century
Disciplina	328.2/3
Soggetti	Referendum Ethnic conflict - Political aspects Ethnic conflict - Government policy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front matter -- Contents -- Introduction -- Chapter 1. The History and Logic of Ethnonational Referendums, 1791–1945 -- Chapter 2. Difference-Managing Referendums -- Chapter 3. Secession and Partition -- Chapter 4. Ethnonational Referendums in Constitutional Law: A Case Study of Scotland -- Chapter 5. Right-Sizing Referendums -- Chapter 6. Difference-Eliminating Referendums: E Pluribus Unum? -- Chapter 7. EU Referendums: Nationalism and the Politics of Supranational Integration -- Chapter 8. Regulation of Ethnonational Referendums: A Comparative Overview -- Conclusion: Patterns and Tendencies in Ethnonational Referendums -- Appendix. Legislation and Litigation -- Notes -- Bibliography -- Index -- Acknowledgments
Sommario/riassunto	Although referendums have been used for centuries to settle ethnonational conflicts, there has yet been no systematic study or generalized theory concerning their effectiveness. Referendums and Ethnic Conflict fills the gap with a comparative and empirical analysis of all the referendums held on ethnic and national issues from the French Revolution to the 2012 referendum on statehood for Puerto Rico. Drawing on political theory and descriptive case studies, Matt Qvortrup creates typologies of referendums that are held to endorse secession, redraw disputed borders, legitimize a policy of homogenization, or otherwise manage ethnic or national differences. He considers the

circumstances that compel politicians to resort to direct democracy, such as regime change, and the conditions that might exacerbate a violent response. Qvortrup offers a clear-eyed assessment of the problems raised when conflict resolution is sought through referendum as well as the conditions that are likely to lead to peaceful outcomes. This original political framework will provide a vital resource in the ongoing investigation into how democracy and nationalism may be reconciled.

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