1. Record Nr. UNINA9910791742203321 **Titolo** Scandium [[electronic resource]]: compounds, productions, and applications / / [edited by] Viktor A. Greene Pubbl/distr/stampa New York,: Nova Science Publishers, c2011 **ISBN** 1-61761-622-2 Descrizione fisica 1 online resource (175 p.) Collana Chemical engineering methods and technology Altri autori (Persone) GreeneViktor A Disciplina 546/.401 Soggetti Scandium Rare earth metals Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto ""SCANDIUM COMPOUNDS. PRODUCTIONS AND APPLICATIONS "": ""SCANDIUM COMPOUNDS, PRODUCTIONS AND APPLICATIONS ""; ""CONTENTS ""; ""PREFACE ""; ""CHIRAL SCANDIUM COMPLEXES IN CATALYTIC ASYMMETRIC REACTIONS ""; ""ABSTRACT ""; ""INTRODUCTION ""; ""1. ASYMMETRIC ALDOL REACTION ""; ""2. ASYMMETRIC MICHAEL ADDITION ""; ""3. ASYMMETRIC FRIEDEL-CRAFTS REACTION ""; ""4. ASYMMETRIC MANNICH REACTION ""; ""5. ALLYLATION REACTION ""; ""6. ASYMMETRIC DIELS-ALDER REACTION ""; ""7. OTHER ASYMMETRIC CYCLOADDITION REACTION ""; ""8. ASYMMETRIC 1,3-DIPOLAR CYCLOADDITION "" ""9. ASYMMETRIC RING-OPENING REACTION """"10. ASYMMETRIC ENE REACTION "": ""11. MISCELLANEOUS REACTION "": ""CONCLUSION"": ""REFERENCES "": ""APPLICATION OF SCANDIUM OXIDE IN DISPENSER THERMIONIC CATHODES ""; ""ABSTRACT ""; ""1. INTRODUCTION ""; ""2. THE TYPES OF SCANDATE CATHODE ""; ""2.1. Pressed Scandate Cathode ""; ""2.2. The Traditional Impregnated Scandate Cathode ""; ""2.3. a €œTop-Layera€? Impregnated Scandate Cathode "": ""2.4. Sc2O3 Mixed Matrix Impregnated Cathodes ""; ""3. CHARACTERIZATION OF SCANDIUM AND ITS ROLE IN THE EMISSION ""; ""A. Ba-Sc-O Monolayer Model "" ""B. Semiconductor Model """"C. Thermo Field Emission ""; ""4. SURFACE STRUCTURE OF SCANDATE CATHODES ""; ""5. SUMMARY "";

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