1. Record Nr. UNINA9910154278303321

Autore	Bach Johann Sebastian
Titolo	Cantata No. 7 - Christ, unser Herr, zum Jordan kam (BWV 7) : for Alto, Tenor and Bass Soli, Chorus and Orchestra with German text and English text in preface : choral score / / Johann Sebastian Bach
Pubbl/distr/stampa	[Los Angeles, California] : , : Kalmus, , [1985] ©[1985]
ISBN	1-4574-8323-8
Descrizione fisica	1 online resource (38 pages) : illustrations
Collana	Kalmus Classic Edition
Disciplina	782.27
Soggetti	Sacred songs (High voice) with piano
Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910822251303321

Titolo	Liquid phase oxidation via heterogeneous catalysis : organic synthesis and industrial applications / / edited by Mario G. Clerici, Oxana A. Kholdeeva
Pubbl/distr/stampa	Hoboken, N.J., : Wiley, 2013
ISBN	9781118356753 1118356756 9781118356760 1118356764 9781118356746 1118356748
Edizione	[1st ed.]
Descrizione fisica	1 online resource (548 p.)
Altri autori (Persone)	ClericiMario G KholdeevaOxana A
Disciplina	541/.393
Soggetti	Oxidation Oxidation - Industrial applications Heterogeneous catalysis Heterogeneous catalysis - Industrial applications
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Liquid Phase Oxidation via Heterogeneous Catalysis: Organic Synthesis And Industrial Applications; Contents; Preface; Contributors; Abbreviations; 1 Environmentally Benign Oxidants; 1.1 Introduction; 1.2 Oxygen (Air); 1.3 Alkylhydroperoxides; 1.4 Hydrogen Peroxide; 1.5 Conclusions; References; 2 Oxidation Reactions Catalyzed by Transition-Metal-Substituted Zeolites; 2.1 Introduction; 2.2 Synthesis and Characterization of Zeolites; 2.2.1 Isomorphous Metal Substitution; 2.2.2 Synthesis of Titanium Silicalite-1 (TS-1); 2.2.3 Characterization of Titanium Silicalite-1 (TS-1) 2.2.4 Ti-Beta, Synthesis and Characterization2.2.5 Other Ti Zeolites; 2.2.6 Other Metal Zeolites; 2.3 Catalytic Properties; 2.3.1 Hydroxylation of Alkanes; 2.3.2 Hydroxylation of Aromatic Compounds; 2.3.3

Oxidation of Olefinic Compounds; 2.3.4 Oxidation of Alcohol and Ether Compounds; 2.3.5 Reactions of Carbonyl Compounds; 2.3.6 Oxidation of N-Compounds; 2.3.7 Oxidation of S-Compounds; 2.4 Mechanistic Aspects; 2.4.1 The Nature of Active Species; 2.4.2 Hydroxylation; 2.4.3 Epoxidation; 2.4.4 Oxidation of Alcohols; 2.4.5 Ammoximation; 2.4.6 Decomposition of Hydrogen Peroxide
2.4.7 Active Species, Adsorption and Catalytic Activity2.5 Stability of Metal-Substituted Zeolites to Reaction Conditions; 2.6 Conclusions; References; 3 Selective Catalytic Oxidation over Ordered Nanoporous Metallo-Aluminophosphates; 3.1 Introduction; 3.2 Synthesis; 3.2.1 Microporous Aluminophosphates; 3.2.2 Mesoporous Aluminophosphates; 3.3 Characterization; 3.4 Catalytic Properties; 3.4.1 Oxidation of Hydrocarbons; 3.4.2 Oxidation of Olefins; 3.4.3 Oxidation of Alcohols; 3.4.4 Oxidation of Phenols; 3.4.5 Ammoximation and Ammoxidation; 3.4.6 Baeyer-Villiger Oxidation
3.4.7 Oxidation of Heterocycles3.5 Mechanistic Aspects; 3.6 Catalysts Stability; 3.7 Conclusion; References; 4 Selective Oxidations Catalyzed by Mesoporous Metal Silicates; 4.1 Introduction; 4.2 Synthesis and Characterization; 4.2.1 General Synthetic Approaches; 4.2.2 Characterization Techniques; 4.2.3 Sol-Gel Synthesis of Amorphous Mixed Oxides; 4.2.4 Thermolytic Molecular Precursor Method; 4.2.5 Templated Synthesis of Ordered Metal Silicates; 4.2.6 Postsynthesis Modifications; 4.2.7 Organic-Inorganic Hybrid Materials; 4.3 Catalytic Properties; 4.3.1 Oxidation of Alkanes
4.3.2 Oxidation of Aromatic Compounds4.3.3 Oxidation of Olefins; 4.3.4 Oxidation of Alcohols; 4.3.5 Oxidation of Ketones and Aldehydes; 4.3.6 Oxidation of S-compounds; 4.3.7 Oxidation of Amines; 4.4 Mechanistic Aspects; 4.5 Stability; 4.5.1 Mechanisms of Deactivation; 4.5.2 Solving Problem of Hydrothermal Stability; 4.5.3 Hydrothermally Stable Catalysts: Scope and Limitations; 4.6 Conclusions and Outlook; References; 5 Liquid Phase Oxidation of Organic Compounds by Supported Metal-Based Catalysts with a Focus on Gold; 5.1 Introduction; 5.2 Catalyst Preparation and Characterization
5.3 Catalytic Properties

Sommario/riassunto

Sets the stage for environmentally friendly industrial organic syntheses From basic principles to new and emerging industrial applications, this book offers comprehensive coverage of heterogeneous liquid-phase selective oxidation catalysis. It fully examines the synthesis, characterization, and application of catalytic materials for environmentally friendly organic syntheses. Readers will find coverage of all the important classes of catalysts, with an emphasis on their stability and reusability. Liquid Phase Oxidation via Heterogeneous Catalysis features contributions