1. Record Nr. UNISALENTO991003553569707536

Autore	Horatius Flaccus, Quintus
Titolo	Ad Pyrrham : a polyglot collection of translations of Horace's Ode to Pyrrha (Book 1., Ode 5) / assembled with an introd. by Ronald Storrs
Titolo uniforme	Carmina 90209
Descrizione fisica	XI, 203 p., [1] c. di tav. ; 22 cm
Altri autori (Persone)	Storrs, Ronald
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910299623203321

Titolo	Application of Hydrothermal Reactions to Biomass Conversion / / edited by Fangming Jin
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2014
ISBN	3-642-54458-4
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (411 p.)
Collana	Green Chemistry and Sustainable Technology, , 2196-6982
Disciplina	333.9539
Soggetti	Renewable energy sources Chemical engineering Environmental engineering Biotechnology Sustainable development Renewable and Green Energy Industrial Chemistry/Chemical Engineering Environmental Engineering/Biotechnology Sustainable Development
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.
Nota di contenuto	Part I Characters of High Temperature Water and Hydrothermal Reactions -- Water under High Temperature and Pressure Conditions and Its Applications to Develop Green Technologies for Biomass Conversion -- Part II Hydrothermal Conversion of Biomass into Chemicals -- Hydrothermal Conversion of Cellulose into Organic Acids with a CuO Oxidant -- Hydrothermal Conversion of Lignin and Its Model Compounds into Formic Acid and Acetic Acid -- Production of Lactic Acid from Sugars by Homogeneous and Heterogeneous Catalysts -- Catalytic Conversion of Lignocellulosic Biomass to Value-Added Organic Acids in Aqueous Media -- Catalytic Hydrothermal Conversion of Biomass-Derived Carbohydrates to High Value-Added Chemicals -- Part III Hydrothermal Conversion of Biomass into Fuels -- Effective Utilization of Moso-Bamboo (Phyllostachys Heterocycla) with Hot Compressed Water -- Hydrothermal Liquefaction of Biomass in Hot-Compressed Water, Alcohols and Alcohol-Water Co-Solvents for Bio-Crude Production -- Hydrothermal Liquefaction of Biomass -- Hydrothermal Gasification of Biomass for Hydrogen Production -- Part IV Hydrothermal Conversion of Biomass into Other Useful Products -- Review of Biomass Conversion in High Pressure High Temperature Water (HHW) including Recent Experimental Results (Isomerization and Carbonizaiton) -- Hydrothermal Carbonization of Lignocellulosic Biomass -- Part V Hydrothermal Conversion of Biomass Waste into Fuels -- Organic Waste Gasification in Near- and Super-Critical Water -- Hydrothermal Treatment of Municipal Solid Waste for Producing Solid Fuel -- Sewage Sludge Treatment by Hydrothermal Process for Producing Solid Fuel.
Sommario/riassunto	This book reviews the recent advances in hydrothermal conversion of biomass into chemicals and fuels, and consists of 15 chapters. It introduces the properties of high-temperature water, the merits of hydrothermal conversion of biomass, and some novel hydrothermal conversion processes, mainly including hydrothermal production of value-added products, hydrothermal gasification, hydrothermal liquefaction and hydrothermal carbonization. This book introduces a new concept for counteracting the imbalance in the carbon cycle, which is caused by the rapid consumption of fossil fuels in anthropogenic activities in combination with the slow formation of fossil fuels. Accordingly, the book is useful in conveying a fundamental understanding of hydrothermal conversion of biomass in the carbon cycle so that a contribution can be made to achieving sustainable energy and environment. It is also interesting to a wide readership in various fields including chemical, geologic and environmental science and engineering. Fangming Jin is a Distinguished Professor at the School of Environmental Science & Engineering, Shanghai Jiao Tong University, China.