1. Record Nr. UNINA9910617306703321

Autore	Daimi Kevin
Titolo	Breakthroughs in digital biometrics and forensics / / Kevin Daimi, Guillermo Francia III, and Luis Hernandez Encinas
Pubbl/distr/stampa	Cham, Switzerland : , : Springer International Publishing, , [2022] ©2022
ISBN	3-031-10706-3
Descrizione fisica	1 online resource (419 pages)
Disciplina	006.4
Soggetti	Biometric identification - Technological innovations Digital forensic science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910726294703321

Autore	Huo Zhibao
Titolo	Diverse Hydrogen Sources for Biomass-derivatives Conversion : Reaction and Mechanism / / by Zhibao Huo
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	9789819916733
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (206 pages)
Disciplina	665.81
Soggetti	Hydrogen as fuel Green chemistry Catalysis Energy policy Hydrogen Energy Green Chemistry Energy Policy, Economics and Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Selective Hydrogenation of Levulinate Esters to 1,4-pentanediol Using a Ternary Skeletal CuAlZn Catalyst -- Catalytic Hydrogenation of Ethyl Levulinate into -Valerolactone over Raney Cu Catalyst -- Catalytic Transfer Hydrogenation of Levulinate Ester into -Valerolactone over Ternary Cu/ZnO/Al2O3 Catalyst -- Catalytic Transfer Hydrogenation of Ethyl Levulinate into -Valerolactone over Air-stable Skeletal Cobalt Catalyst -- Catalytic Transfer Hydrogenation of 5-Hydroxymethylfurfural into 2,5-Dimethyl Furan over CuO/MgO/ZrO2 Catalyst -- Chemoselective Synthesis of Propionic Acid from Biomass and Lactic Acid over a Cobalt Catalyst in Aqueous Media -- A Novel Approach for 1,2-Propylene Glycol Production from Biomass-derived Lactic Acid -- Catalytic Conversion of Ethyl Lactate to 1,2-Propanediol over CuO -- Highly Selective Hydrothermal Production of Cyclohexanol from Biomass-derived Cyclohexanone over Cu Powder -- Efficient Conversion of Dimethyl Phthalate to Phthalide over CuO in Aqueous Media -- Heterogeneous Cu2O-mediated Ethylene Glycol Production from Dimethyl Oxalate -- Highly Efficient Conversion of Biomass-

	derived Glycolide to Ethylene Glycol over CuO in Water -- A Supported Ni Catalyst Produced from Ni-Al Hydrotalcite-like Precursor for Reduction of Furfuryl Alcohol to Tetrahydrofurfuryl Alcohol by NaBH4 in Water.
Sommario/riassunto	The book covers advances in conversion of biomass and derivatives into useful chemicals and fuels. It describes our recent researches relating to the hydrogenation of biomass derivatives by diverse hydrogen sources such as water, isopropanol, gaseous hydrogen and NaBH4 as well as their interesting mechanism aspects. A wide range of biomass derivatives and some novel hydrogenation processes are involved in this book. Development strategies and challenges in future research are also discussed. This book will help readers to expand their knowledge of biomass and its derivatives conversion.