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Titolo	Fuels From Biomass: An Interdisciplinary Approach : A collection of papers presented at the Winter School 2011 of the North Rhine Westphalia Research School "Fuel production based on renewable resources" associated with the Cluster of Excellence "Tailor-Made Fuels from Biomass", Aachen, Germany, 2011 / / edited by Michael Klaas, Stefan Pischinger, Wolfgang Schröder
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ISBN	3-662-45425-4
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (313 p.)
Collana	Notes on Numerical Fluid Mechanics and Multidisciplinary Design, , 1860-0824 ; ; 129
Disciplina	541395 621.042
Soggetti	Renewable energy sources Electric power production Catalysis Renewable Energy Electrical Power Engineering Mechanical Power Engineering
Lingua di pubblicazione	Inglese
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Note generali	A collection of papers presented at the Winter School 2011 of the North Rhine Westphalia Research School "Fuel production based on renewable resources" associated with the Cluster of Excellence "Tailor-Made Fuels from Biomass", Aachen, Germany, 2011.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	From the Contents: Spray Phenomena of Surrogate Fuels and Oxygenated Blends in a High Pressure Chamber -- GIS-based model to predict the development of biodiversity in agrarian habitats as a planning base for different land-use scenarios -- Experimental investigation of dissipationelement statistics in a jet flow -- The cellulolytic system of cyst nematodes -- New Pathways for the Valorization of Fatty Acid Esters.
Sommario/riassunto	The book reports on the results of the BrenaRo Winterschool 2011, held

on November 21-22 in Aachen, Germany. The different chapters cover a number of aspects of the topic of energy generation, with a particular focus on energy generation from biomass. They presents new findings concerning engine development, process engineering, and biological and chemical conversion of biomass to fuels, and highlight the importance of an interdisciplinary approach, combining chemistry, biology and engineering research, to the use of renewable energy sources. All in all, this book provides readers with a snapshot of the state-of-the-art in renewable energy conversion, and gives an overview of the ongoing work in this field in Germany.