

1. Record Nr.	UNINA9910251425803321
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Titolo	Pyrolysis // edited by Mohamed Samer Mohamed
Pubbl/distr/stampa	IntechOpen, 2017 [Place of publication not identified] : , : IntechOpen, , [2017] ©2017
ISBN	953-51-4755-2 953-51-3312-8
Edizione	[1st ed.]
Descrizione fisica	1 online resource (339 pages)
Disciplina	660.043
Soggetti	Pyrolysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This book provides useful information about pyrolysis, which includes the pyrolysis of biomass and pyrolysis of fossil fuels and petrochemicals. Additionally, this book elucidates and illustrates further innovative pyrolysis processes such as catalytic pyrolysis, spray pyrolysis, and microwave-assisted pyrolysis. This book discusses the production of semiconductors and nanomaterials through the pyrolysis process.