

1. Record Nr.	UNINA9910299604803321
Autore	Litvinenko Vladimir
Titolo	Syngas Production: Status and Potential for Implementation in Russian Industry // by Vladimir Litvinenko, Bernd Meyer
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-70963-1
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XVI, 161 p. 34 illus., 17 illus. in color.)
Disciplina	621.042
Soggetti	Energy Chemical engineering Natural resources Phase transformations (Statistical physics) Condensed materials Econometrics Energy, general Industrial Chemistry/Chemical Engineering Natural Resources Quantum Gases and Condensates
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Sommario/riassunto	This book focuses on the assessment of different coal gasification technologies for the utilization of Russian coals with analyses of economically feasible process chains for preparation of marketable products from high-ash coals. The work presented is important in view of the general competitiveness that marks the future of coal in the world. As the cheapest form of fuel (in comparable terms) coal will undoubtedly be in demand resources in the world. The book consists of parts which include an overview about the major coal characteristics, detailed discussion of fundamental aspects of gasification technologies and gasifiers, an introduction into annex concepts, an overview about different technologies of syngas utilization, technical and economic

assessment of several coal-to-liquid and coal-to-chemicals routes, and feasibility demonstration for selected process chains. This book is addressed to the management and engineers of Russian coal companies and scientific staff of Russian research institutions working in the field of coal utilization.
