1. Record Nr. UNISALENTO991003229159707536

Autore	Zappi, Gario
Titolo	Spirantia signa / Gario Zappi ; xilografie e composizioni grafiche di Vladimir Kortovic
Pubbl/distr/stampa	Milano : All'insegna del pesce d'oro, 1998
ISBN	8844413485
Descrizione fisica	48 p. : ill. ; 18 cm
Collana	Acquario ; 261
Altri autori (Persone)	Kortovic, Vladimir
Disciplina	851.914
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910416141603321

Autore	Verdeja González José Ignacio
Titolo	Operations and Basic Processes in Ironmaking / / by José Ignacio Verdeja González, Daniel Fernández González, Luis Felipe Verdeja González
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-54606-3
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (X, 318 p. 65 illus., 29 illus. in color.)
Collana	Topics in Mining, Metallurgy and Materials Engineering, , 2364-3293
Disciplina	691
Soggetti	Building materials Structural materials Building Materials Structural Materials
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

Nota di contenuto	Chapter 1 - Raw Materials -- Chapter 2 - Sintering -- Chapter 3 - Pelletizing -- Chapter 4 - Pelletizing -- Chapter 5 - Production of Iron by Reduction with Gas -- Chapter 6 - Production of Iron in the Blast Furnace -- Chapter 7 - Strengths and Uncertainties of the Iron Metallurgy.
Sommario/riassunto	This textbook explores the production of pig iron, covering the first part of the steel production process, known as ironmaking. Divided into seven chapters, it discusses the following topics: raw materials for steel production (coking coal, iron ore, slag-forming agents and fluxes, scrap, ferroalloys and pre-reduced materials), the sintering process (used to prepare the burden for the blast furnace), the pelletizing process (used to agglomerate the fine iron ores), the production of coke (the main reductant in the ironmaking process), the production of iron by reduction with gas (an alternative to the blast furnace) and the production of pig iron in the blast furnace (which is used in more than 65% of steel production worldwide). Specially conceived for graduate and undergraduate courses, this book is based on more than 30 years of teaching experience in courses for undergraduates, graduates (master and Ph.D.) and industry professionals (technicians). It explores the recent trends in the iron- and steelmaking process (which might used in the future production of steel), and features 55 worked exercises and real-world problems to complement of the theoretical sections of the text.