

1. Record Nr.	UNINA9910557421903321
Titolo	Metals Powders : Synthesis and Processing
Pubbl/distr/stampa	Basel, Switzerland : , : MDPI - Multidisciplinary Digital Publishing Institute, , 2020
Descrizione fisica	1 electronic resource (134 pages)
Soggetti	Engineering - History Technology - History
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This book gathers several manuscripts dealing with powder metallurgy processing. Both powders production and their processing to reach a final product can be found. In particular, the extraction of Ta and Ti powders from their oxides by the action of Mg is studied. Moreover, the synthesis of ball-milled Mn-Bi powder for magnetic uses is also presented in the book. Regarding powders processing, sintering of Fe-Co-Cu powder mixtures for their use as diamond impregnated tools, electrical resistance sintering of mechanically alloyed amorphous Al-Ti powders, cold pressed Fe-Si-B alloys with magnetic uses, hot extruded functionally graded Al-based materials, space holder sintering of Ti for medical implants, sintering of hard Co-based material, and electrical resistance sintering of Fe-WC hardmetals can be found in this book.