

1. Record Nr.	UNISOBE600200025962
Autore	Marx, Karl
Titolo	L' ideologia tedesca : critica della più recente filosofia tedesca nei suoi rappresentanti Feuerbach, B. Bauer e Stirner, e del socialismo Tedesco nei suoi vari profeti / Karl Marx, Friedrich Engels
Pubbl/distr/stampa	Roma, : Editori riuniti, 1969
Edizione	[3 ed]
Descrizione fisica	XCII, 551 p. ; 22 cm
Collana	Biblioteca del pensiero moderno
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNINA9910788187703321
Autore	Qian Ma
Titolo	Titanium powder metallurgy : science, technology and applications // Ma Qian, Francis H. (Sam) Froes ; contributors, Stanley Abkowitz [and sixty-four others]
Pubbl/distr/stampa	Waltham, Massachusetts ; ; Oxford, England : , : Butterworth-Heinemann, , 2015 ©2015
ISBN	0-12-800910-1
Descrizione fisica	1 online resource (649 p.)
Disciplina	669/.7322
Soggetti	Powder metallurgy Titanium alloys
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.

Cover; Title page; Copyright Page; Contents; List of contributors; About the editors; Preface; 1 - A historical perspective of titanium powder metallurgy; 1.1 - Introduction; 1.2 - The early years (late 1940s to early 1950s); 1.3 - The 1980 TMS Conference; 1.4 - Developments 1980-present; 1.5 - Developments in the PA/HIP technology; 1.6 - The BE method; 1.7 - Metal injection molding; 1.8 - Additive manufacturing; 1.9 - Other developments; 1.10 - Research-based processes; 1.11 - The 2011 conference on titanium PM; 1.12 - Thoughts for the future; Acknowledgments; References

2 - Conventional titanium powder production 2.1 - Introduction; 2.2 - Prealloyed spherical powder (conventional titanium powder production); 2.3 - Gas atomization; 2.4 - Plasma rotating electrode process; 2.5 - Electrode induction-melting gas atomization; 2.6 - Plasma atomization; 2.7 - Induction plasma spheroidization; 2.8 - Conclusions; References;

3 - Production of titanium powder by an electrolytic method and compaction of the powder; 3.1 - Introduction; 3.2 - New and advanced processing; 3.3 - Electrolytic production of titanium powder; 3.4 - Titanium alloy powder

3.5 - Compaction of electrolytically produced titanium powder References;

4 - Titanium powder production via the Metalysis process; 4.1 - Introduction; 4.2 - FFC® process overview; 4.3 - Preforms: evolution to elimination; 4.4 - Titanium alloys via the FFC® process; 4.5 - Metalysis titanium powder characterization; 4.6 - Additive manufacturing (AM); 4.7 - Hot isostatic pressing; 4.8 - Spark plasma sintering (SPS) and hot rolling; 4.9 - Summary; Acknowledgments; References;

5 - Direct titanium powder production by metallothermic processes; 5.1 - Introduction; 5.2 - Precursors 5.3 - Reducing agents 5.4 - Reactor type; 5.5 - Separation principle; 5.6 - Recent developments; 5.7 - Concluding remarks; References;

6 - Research-based titanium powder metallurgy processes; 6.1 - Introduction; 6.2 - Rapid solidification, mechanical alloying, and vapor deposition; 6.3 - Thermohydrogen processing (THP); 6.4 - Porous structures; Acknowledgments; References;

7 - Titanium powders from the hydride-dehydride process; 7.1 - Introduction; 7.2 - HDH titanium feedstock; 7.3 - The HDH process; 7.3.1 - Process background; 7.4 - The hydriding process; 7.4.1 - Furnace seals and leaks 7.4.2 - Hydriding 7.4.3 - Preparing to size hydride; 7.4.4 - Sizing of hydride; 7.5 - The dehydriding process; 7.6 - Dehydride recovery; 7.7 - Magnetic separation and acid washing; 7.8 - Interstitial contents; 7.9 - Screening and screen specifications; 7.10 - Laser specifications; 7.11 - Powder morphologies; 7.12 - Spherical powders; 7.13 - Summary; References;

8 - Low-cost titanium hydride powder metallurgy; 8.1 - Introduction; 8.2 - Titanium hydride: physical and mechanical properties and phase transformations upon heating; 8.3 - Surface contamination of titanium hydride powder 8.4 - PM processing of CP Ti

Titanium Powder Metallurgy contains the most comprehensive and authoritative information for, and understanding of, all key issues of titanium powder metallurgy (Ti PM). It summarizes the past, reviews the present and discusses the future of the science and technology of Ti PM while providing the world titanium community with a unique and comprehensive book covering all important aspects of titanium powder metallurgy, including powder production, powder processing, green shape formation, consolidation, property evaluation, current industrial applications and future developments. It documents