1. Record Nr. UNINA9910467932003321

Autore	Fuglie Keith Owen
Titolo	Harvesting prosperity : technology and productivity growth in agriculture / / Keith Fuglie [and three others]
Pubbl/distr/stampa	Washington, District of Columbia : , : World Bank Group, , [2020] ©2020
ISBN	1-4648-1429-5
Descrizione fisica	1 online resource (271 pages)
Disciplina	307.140973
Soggetti	Community development - United States Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910144686803321

Autore	Pawowski Lech
Titolo	The science and engineering of thermal spray coatings [[electronic resource] /] / Lech Pawlowski
Pubbl/distr/stampa	Chichester, England ; ; Hoboken, NJ, : Wiley, c2008
ISBN	1-282-12376-9 9786612123764 0-470-75408-7 1-61583-599-7 0-470-75407-9
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (658 p.)
Disciplina	667.9 667/.9
Soggetti	Metal spraying Electronic books.
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 and index.
Nota di contenuto	The Science and Engineering of Thermal Spray Coatings; Contents; Preface to the Second Edition; Preface to the First Edition; Acronyms, Abbreviations and Symbols; 1 Materials Used for Spraying; 1.1 Methods of Powders Production; 1.1.1 Atomization; 1.1.2 Sintering or Fusion; 1.1.3 Spray Drying (Agglomeration); 1.1.4 Cladding; 1.1.5 Mechanical Alloying (Mechanofusion); 1.1.6 Self-propagating High-temperature Synthesis (SHS); 1.1.7 Other Methods; 1.2 Methods of Powders Characterization; 1.2.1 Grain Size; 1.2.2 Chemical and Phase Composition; 1.2.3 Internal and External Morphology 1.2.4 High-temperature Behaviour1.2.5 Apparent Density and Flowability; 1.3 Feeding, Transport and Injection of Powders; 1.3.1 Powder Feeders; 1.3.2 Transport of Powders; 1.3.3 Injection of Powders; References; 2 Pre-Spray Treatment; 2.1 Introduction; 2.2 Surface Cleaning; 2.3 Substrate Shaping; 2.4 Surface Activation; 2.5 Masking; References; 3 Thermal Spraying Techniques; 3.1 Introduction; 3.2 Flame Spraying (FS); 3.2.1 History; 3.2.2 Principles; 3.2.3 Process Parameters; 3.2.4 Coating Properties; 3.3 Atmospheric Plasma Spraying

Sommario/riassunto

This extensively updated and revised version builds on the success of the first edition featuring new discoveries in powder technology, spraying techniques, new coatings applications and testing techniques for coatings -- Many new spray techniques are considered that did not exist when the first edition was published! The book begins with coverage of materials used, pre-spray treatment, and the techniques used. It then leads into the physics and chemistry of spraying and discusses coatings build-up. Characterization methods and the properties of the applied coatings are presented, and the