1. Record Nr. UNINA9910743350503321

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Titolo	Laser Applications in Surface Modification / / by Jianhua Yao, Qunli Zhang, Rong Liu, Guolong Wu
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2022
ISBN	9789811689222 9811689229 9789811689215 9811689210
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (150 pages)
Collana	Advanced Topics in Science and Technology in China, , 1995-6827 ; ; 65
Disciplina	669
Soggetti	Surfaces (Technology) Thin films Lasers Coatings Manufactures Industrial engineering Production engineering Surfaces, Interfaces and Thin Film Laser Technology Machines, Tools, Processes Industrial and Production Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Chapter 1 Introduction -- Chapter 2 Laser Cladding of Stellite Alloys -- Chapter 3 Laser Cladding of Metal-Ceramic Composites -- Chapter 4 Laser Surface Hardening -- Chapter 5 Laser Processed Coatings Involving Nanoparticles.
Sommario/riassunto	This book introduces the applications of laser in surface modification, such as laser cladding of Stellite alloys and metal-ceramic composites. Besides, nanomaterials including carbon nanotubes and Al2O3 nanoparticles are brought into the laser processing, to form high-

temperature resistance, chemical stability, and wear- and oxidation-resistant composite coatings. The readers will get more knowledge about the basic principle and application of laser cladding and laser surface hardening technologies, and gain a deep insight into the process and characteristics of the nanomaterial-assisted laser surface enhancement. It provides references for the researchers, engineers, and students in the fields of mechanical engineering, laser processing, and material engineering.