

1. Record Nr.	UNINA9910830035103321
Titolo	Additive manufacturing of metal alloys 2 : microstructures, post-processing and use properties // edited by Patrice Peyre, Eric Charkaluk
Pubbl/distr/stampa	London, England : , : ISTE Ltd and John Wiley & Sons, Inc., , [2023] ©2023
ISBN	1-394-22905-4 1-394-22903-8
Descrizione fisica	1 online resource (286 pages)
Disciplina	739.5
Soggetti	Metals - Coloring Alloys Simulation methods
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	Over the last decade or so, additive manufacturing has revolutionized design and manufacturing methods by allowing more freedom in design and functionalities unattainable with conventional processes. This has generated extraordinarily high interest in both industrial and academic communities. Additive Manufacturing of Metal Alloys 2 puts forward a state of the art of additive manufacturing and its different processes, from metallic raw materials (in the form of powder or wire) to their properties after elaboration. It analyzes the microstructures and post-processing of existing AM materials as well as their use properties. Using a balanced approach encapsulating basic notions and more advanced aspects for each theme, this book acts as a metal additive manufacturing textbook, as useful to professionals in the field as to the general public.