

1. Record Nr.	UNINA9910647495103321
Titolo	High Entropy Materials : Microstructures and Properties // edited by Yong Zhang
Pubbl/distr/stampa	London : , : IntechOpen, , 2023 ©2023
Descrizione fisica	1 online resource (ix, 266 pages) : illustrations
Disciplina	536.73
Soggetti	Entropy Materials
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. Microstructures and Deformation Mechanisms of FCC-Phase High-Entropy Alloys -- 2. Cost-Effective Fe-Rich High-Entropy Alloys: A Brief Review -- 3. Breaking the Property Trade-Offs by Using Entropic Conceptions -- 4. Solid Solution Strengthening in High-Entropy Alloys -- 5. Proposition of a Growth Law as a Function of Solidification Parameters for Monotectic Alloy Systems -- 6. High Entropy Thin Films by Magnetron Sputtering: Deposition, Properties and Applications -- 7. Optimization of Retained Austenite and Corrosion Properties on EN-31 Bearing Steel by Cryogenic Treatment Process -- 8. Simulation and Calculation for Predicting Structures and Properties of High-Entropy Alloys -- 9. CALPHAD as a Toolbox to Facilitate the Development of HEAs -- 10. Development of Orthopedic Implants with Highly Biocompatible Ti Alloys -- 11. High-Entropy Alloys for Bone Tissue Engineering: Recent Developments in New Methods of Manufacture -- 12. Iron-Based Superconductors.
Sommario/riassunto	High-Entropy Materials - Microstructures and Properties summarizes recent developments in multicomponent materials. It discusses properties, processing, modeling, and applications of high-entropy materials, including metallic alloys and oxides. It also discusses solidification, sputtering, cryogenic treatments, CALPHAD methodology, biomedical implants, Fe-based superconductors, Fe-rich high-entropy alloys, and more.

2. Record Nr.	UNISA996511863403316
Autore	Prasad Sahana
Titolo	Elementary statistical methods / / Sahana Prasad
Pubbl/distr/stampa	Singapore : , : Springer, , [2023] ©2023
ISBN	9789811905964 9789811905957
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (319 pages)
Disciplina	331.257094
Soggetti	Statistics Estadística Probabilitats Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	1. Concepts in Research and Data Analysis -- 2. Descriptive Statistics -- 3. Probability and Distributions -- 4. Correlation and Regression -- 5. Statistical Inference.
Sommario/riassunto	This is the first book of two volumes covering the basics of statistical methods and analysis. Significant topics include concepts of research and data analysis, descriptive statistics, probability and distributions, correlation and regression, and statistical inference. The book includes useful examples and exercises as well as relevant case studies for proper implementation of the discussed tools. This book will be a valuable text for undergraduate students of statistics, management, economics, and psychology, wanting to gain basic understanding of statistics and the usage of its various concepts. .