1. Record Nr. UNISA996386983503316

Autore	Wittie Robert <1613?-1684.>
Titolo	Gout raptures [[electronic resource]] : Astromachia, or, An historical fiction of a war among the stars : wherin are mentioned the 7 planets, the 12 signs of the Zodiack, and the 50 constellations of heaven mentioned by the ancients : also several eminent stars, and the most principal parts and lines of the celestial globe, with their natures and uses, are pointed at : useful for such as apply themselves to the study of astronomy and the celestial globe / / by Robert Witty .
Pubbl/distr/stampa	Cambridge, : Printed by John Hayes ... and are to be sold by John Creed ..., 1677
Descrizione fisica	[14], 44, [4] p
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Verses in English, Latin, and Greek. The title "Astromachia" transliterated from Greek. Errata: p. [3] at end. Reproduction of original in Cambridge University Library.
Sommario/riassunto	eebo-0021

2. Record Nr. UNINA9910488700003321

Autore	Haindl Silvia
Titolo	Iron-Based Superconducting Thin Films / / by Silvia Haindl
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
ISBN	3-030-75132-5
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (403 pages)
Collana	Springer Series in Materials Science, , 2196-2812 ; ; 315
Disciplina	621.38152
Soggetti	Optical materials Superconductivity Superconductors Materials Magnetism Surfaces (Technology) Thin films Materials - Analysis Optical Materials Materials Engineering Surfaces, Interfaces and Thin Film Characterization and Analytical Technique
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction to Iron-Based Superconductors -- Engineering Basics: Film Growth Methods for Iron-Based Superconductors -- Thin Film Structure and Composition: Analytical Investigations -- Film/Substrate Interfaces -- More Interfaces: Heterostructures with Iron-Based Superconductors -- Important Aspects from Thin Film Studies: The Role of Grain Boundaries, Electronic Phase Diagrams, Metastable Phases, The Critical Temperature Boost -- Recent Developments Towards Technological Applications: Flux Pinning, Electronic Application Potential -- Summary -- Appendix -- References -- Index.
Sommario/riassunto	This book provides a modern introduction to the growth, characterization, and physics of iron-based superconducting thin films.

Iron pnictide and iron chalcogenide compounds have become intensively studied key materials in condensed matter physics due to their potential for high temperature superconductivity. With maximum critical temperatures of around 60 K, the new superconductors rank first after the celebrated cuprates, and the latest announcements on ultrathin films promise even more. Thin film synthesis of these superconductors began in 2008 immediately after their discovery, and this growing research area has seen remarkable progress up to the present day, especially with regard to the iron chalcogenides FeSe and FeSe1-xTex, the iron pnictide BaFe2-xCoxAs2 and iron-oxyarsenides. This essential volume provides comprehensive, state-of-the-art coverage of iron-based superconducting thin films intopical chapters with detailed information on thin film synthesis and growth, analytical film characterization, interfaces, and various aspects on physics and materials properties. Current efforts towards technological applications and functional films are outlined and discussed. The development and latest results for monolayer FeSe films are also presented. This book serves as a key reference for students, lecturers, industry engineers, and academic researchers who would like to gain an overview of this complex and growing research area.