1. Record Nr. UNINA9910991165403321

Autore	Kato Takemi
Titolo	Angle-Resolved Photoemission Study of Kagome Superconductors AV3Sb5 (A = K, Rb, Cs) / / by Takemi Kato
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	9789819638826 9819638828
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (XIV, 118 p. 76 illus., 73 illus. in color.)
Collana	Springer Theses, Recognizing Outstanding Ph.D. Research, , 2190-5061
Disciplina	620.112973
Soggetti	Superconductivity Superconductors Condensed matter Superconductors - Chemistry Optical spectroscopy Strongly Correlated Systems Optical Spectroscopy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	-- Introduction. -- Photoemission Spectroscopy. -- Experimental Apparatus. -- CDW-Induced Band Modification in AV3Sb5. -- Effects of Cs Dosing and Nb Substitution to CsV3Sb5. -- Micro-ARPES Study of AV3Sb5. -- Summary.
Sommario/riassunto	This book presents high-resolution angle-resolved photoemission spectroscopy (ARPES) experiments on kagome superconductors KV3Sb5, RbV3Sb5, and CsV3Sb5—an ideal material family for studying rich physical phenomena originating from the geometric structure of kagome lattice—with the aim of elucidating the electronic structure and the origin of charge density wave (CDW) and superconductivity. The book begins with an introduction to kagome superconductors, followed by a description of ARPES which is the main tool used in the presented work in this book. The part of the experimental results consists of three chapters: The first chapter describes observation of low-energy excitations, Fermi-surface and momentum-dependent CDW gap by

	high-resolution ARPES on CsV3Sb5 and KV3Sb5; the second chapter shows evolution of electronic states upon alkali-metal dosing and isovalent substitution, and discusses their relation to modulation of physical properties; the other chapter provides the result of micro-ARPES on KV3Sb5, RbV3Sb5, and CsV3Sb5, and demonstrates the surface-termination- and alkali-metal-dependent three dimensional CDW character. .

2.

Record Nr.	UNINA9910969812903321
Autore	Brown Royce N
Titolo	Compressors : selection and sizing / / Royce N. Brown
Pubbl/distr/stampa	Amsterdam ; ; Boston, : Elsevier, c2005
ISBN	1-281-00965-2 9786611009656 0-08-047665-1
Edizione	[3rd ed.]
Descrizione fisica	1 online resource (637 p.)
Disciplina	621.5/1
Soggetti	Compressors Turbomachines
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	front cover; copyright; table of contents; front matter; Preface; Acknowledgments; About theAuthor; body; 1 Overview; 2 Basic Relationships; 3 Reciprocating Compressors; 4 Rotary Compressors; 5 Centrifugal Compressors; 6 Axial Compressors; 7 Drivers; 8 Accessories; 9 Dynamics; 10 Testing; 1 Negotiation and Purchasing; 12 Reliability Issues; back matter; Appendix A Conversion Factors; Appendix B Pressure-Enthalpy and Compressibility; Appendix C Physical Constants of Hydrocarbons; Appendix D Labyrinth and Carbon Ring Seal Leakage Calculations; index
Sommario/riassunto	This practical reference provides in-depth information required to understand and properly estimate compressor capabilities and to select the proper designs. Engineers and students will gain a thorough

understanding of compression principles, equipment, applications, selection, sizing, installation, and maintenance. The many examples clearly illustrate key aspects to help readers understand the ""real world"" of compressor technology.Compressors: Selection and Sizing, third edition is completely updated with new API standards. Additions requested by readers include a new section on di