

1. Record Nr.	UNINA9910455739603321
Autore	Irkhin V. IU (Valentin IUrevich), <1960->
Titolo	Electronic structure, correlation effects and physical properties of d- and f-metals and their compounds [[electronic resource] /] / V.Yu. Irkhin and Yu.P. Irkhin
Pubbl/distr/stampa	Cambridge, : Cambridge International Science Pub., 2007
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Descrizione fisica	1 online resource (463 p.)
Altri autori (Persone)	IrkhinYu. P <1930-> (Yury P.)
Soggetti	Electronic structure Transition metals Transition metal compounds Free electron theory of metals Energy-band theory of solids Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	""PREFACE""; ""CONTENTS""; ""1. INTRODUCTION""; ""1.1 PARTIALLY FILLED ATOMIC SHELLS AND ELECTRON LOCALIZATION IN TRANSITION METALS""; ""1.2 ATOMIC AND BAND APPROACHES IN THE TRANSITION ELEMENT THEORY""; ""1.3 CRYSTAL FIELD AND ORBITAL MOMENTA IN SOLIDS""; ""2. BAND THEORY""; ""2.1 ORTHOGONALIZED PLANE WAVE METHODAND PSEUDOPOTENTIAL""; ""2.2 AUGMENTED PLANE WAVE (APW) AND KORRINGAa€?KOHNa€?ROSTOKER (KKR) METHODS""; ""2.3 THE HARTREE-FOCK-SLATER AND DENSITY FUNCTIONAL APPROACHES TO THE PROBLEM OF ELECTRON CORRELATIONS""; ""2.4 DISCUSSION OF BAND CALCULATION RESULTS"" ""2.5 EXPERIMENTAL INVESTIGATIONS OF BAND STRUCTURE: SPECTRAL DATA""""2.6 BAND CALCULATIONS OF RARE EARTHSAND ACTINIDES""; ""2.7 FERMI SURFACE""; ""2.7.1 Methods of Fermi surface investigation and de Haas-van Alphen effect""; ""2.7.2 Experimental and theoretical results on the Fermi surfaces""; ""3. THERMODYNAMIC PROPERTIES""; ""3.1 COHESIVE ENERGY AND RELATED PROPERTIES""; ""3.2 CRYSTAL

STRUCTURE"; "3.3 SPECIFIC HEAT"; "3.3.1 Lattice specific heat";
"3.3.2 Electronic specific heat"; "3.3.3 Specific heat of magnetic
metals"; "4. MAGNETIC PROPERTIES"
"4.1 EXCHANGE INTERACTIONS AND THE HEISENBERG MODEL FOR
LOCALIZED SPINS"; "4.2 MAGNETIC SUSCEPTIBILITY OF
PARAMAGNETIC TRANSITION METALS"; "4.3 ITINERANT ELECTRON
FERROMAGNETISM AND THE STONER THEORY"; "4.4 SPIN-
FLUCTUATION THEORIES"; "4.5 ELECTRONIC STRUCTURE AND
PROPERTIES OF HALF-METALLIC FERROMAGNETS"; "4.6 MAGNETISM
OF HIGHLY-CORRELATED d-SYSTEMS"; "4.7 MAGNETISM OF RARE
EARTHS AND ACTINIDES"; "4.8 MAGNETIC ANISOTROPY"; "4.8.1
Quenching of orbital momenta by periodic lattice potential and
magnetic anisotropy of d-metals"; "4.8.2 Magnetic anisotropy of rare
earths"
"5. TRANSPORT PROPERTIES"; "5.1 GENERAL CLASSIFICATION OF
TRANSPORT PHENOMENA"; "5.2 CALCULATION OF TRANSPORT
COEFFICIENTS"; "5.3 RESISTIVITY"; "5.3.1 Electron- σ electron
scattering"; "5.3.2 Mott σ scattering mechanism"; "5.3.3
Resistivity of magnetic metals"; "5.3.4 Resistivity of transition metal
alloys"; "5.3.5 Two-current model of ferromagnetic metals"; "5.4
THERMOELECTRIC POWER"; "5.5 THE HALL EFFECT"; "5.6
MAGNETORESISTIVITY"; "5.7 ANOMALOUS TRANSPORT EFFECTS IN
FERROMAGNETIC METALS"; "5.7.1 The extraordinary Hall effect"
"5.7.2 Magnetoresistivity in the presence of spontaneous
magnetization"; "5.7.3 Magneto-optical effects"; "6. THE KONDO
EFFECT AND PROPERTIES OF ANOMALOUS d- AND f-COMPOUNDS";
"6.1 THE ONE-CENTRE KONDO EFFECT"; "6.2 THE KONDO
TEMPERATURE FOR d-IMPURITIES"; "6.3 SPIN DYNAMICS AND
ELECTRONIC PROPERTIES OF KONDO LATTICES"; "6.4 GROUND STATE
OF THE KONDO LATTICES"; "6.5 INTERMEDIATE VALENCE SYSTEMS";
"6.6 MAGNETIC ORDERING IN KONDO LATTICES AND HEAVY-FERMION
COMPOUNDS"; "6.7 CURRENT CARRIERS IN A TWO-DIMENSIONAL
ANTIFERROMAGNET"
"6.8 SPIN-LIQUID STATE IN SYSTEMS WITH SPIN AND CHARGE DEGREES
OF FREEDOM"

2. Record Nr.	UNINA9910889885203321
Autore	Cresti, Carlo
Titolo	La residenza popolare e operaia a Piombino nel rapporto con lo sviluppo dell'industria siderurgica, 1888-1930 / Carlo Cresti, Gabriella Orefice
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Altri autori (Persone)	Orefice, Gabriella
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