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| 1. Record Nr. | UNINA9910780750103321 |
| 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 |
| ISBN | 1-907343-60-1 1-904602-96-7 |
| Descrizione fisica | 1 online resource (463 p.) |
| Altri autori (Persone) | Irkhin Yu. P <1930-> (Yury P.) |
| Soggetti | Electronic structure Transition metals Transition metal compounds Free electron theory of metals Energy-band theory of solids |
| 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 | ""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 METHOD AND PSEUDOPOTENTIAL""; ""2.2 AUGMENTED PLANE WAVE (APW) AND KORRINGA-KOHN-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 EARTHS AND 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-electron scattering""; ""5.3.2 Mott 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""

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| 2. Record Nr. | UNINA9910788828303321 |
| Titolo | Contemporary approaches to Baltic linguistics / / edited by Peter Arkadiev, Axel Holvoet, Bjorn Wiemer |
| Pubbl/distr/stampa | Berlin, [Germany] ; ; Boston, [Massachusetts] : , : De Gruyter Mouton, , 2015 ©2015 |
| ISBN | 3-11-039498-7 3-11-034395-9 |
| Descrizione fisica | 1 online resource (562 p.) |
| Collana | Trends in Linguistics. Studies and Monographs, , 1861-4302 ; ; Volume 276 |
| Disciplina | 491.9 |
| Soggetti | Baltic languages - Research Typology (Linguistics) |
| 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 indexes. |
| Nota di contenuto | Frontmatter -- Contents -- Contributors -- 1 Introduction: Baltic linguistics – State of the art -- 2. Prosody and dialectology of tonal shifts in Lithuanian and their implications -- 3. The lengthening of the first component of Lithuanian diphthongs in an areal perspective -- 4. Diminutives in spoken Lithuanian and Russian: Pragmatic functions and structural properties -- 5. Latvian attenuative pa-verbs in comparison with diminutives -- 6. Non-canonical case patterns in Lithuanian -- 7. Non-canonical subjects in Latvian: An obliqueness-based approach -- 8. Dative experiencer constructions as a Circum-Baltic isogloss -- 9. Morphological, syntactic, and semantic types of converse verbs in Lithuanian -- 10. Past habitual tense in Lithuanian -- 11. Non-morphological realizations of evidentiality: The case of parenthetical elements in Lithuanian -- 12. Lithuanian indefinite pronouns in contact -- 13. Ištiktukai “eventives” – The Baltic precursors of ideophones and why they remain unknown in typology -- 14. The chicken or the egg? Onomatopoeic particles and verbs in Baltic and Slavic -- Index of languages -- Index of subjects |
| Sommario/riassunto | This book is a collection of articles dealing with various aspects of the Baltic languages (Lithuanian, Latvian and Latgalian), which have only |

marginally featured in the discourse of theoretical linguistics and linguistic typology. The aim of the book is to bridge the gap between the study of the Baltic languages, on the one hand, and the current agenda of the theoretical and typological approaches to language, on the other. The book comprises 13 articles dealing with various aspects of phonology, morphology, syntax, semantics, lexicon, and their interactions, plus a lengthy introduction, whose aim is to outline the state of the art in the research on the Baltic languages. The contributions are data-driven, being based on field-work, corpus research, and data published in the sources not accessible to the general linguistic audience. On the other hand, all contributions are informed in the relevant contemporary linguistic theories and in the advances of linguistic typology. Some of the contributions aim at a more detailed, accurate and theoretically informed description of the data, others look at the Baltic material from a more theoretical point of view, still others assume an areal-typological or contact perspective.
