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Titolo	Trends in magnetism : nanomagnetism (EASTMAG-2013) : selected, peer reviewed papers from the V Euro-Asian Symposium "Trends in MAGnetism": Nanomagnetism (EASTMAG-2013) September 15-21, 2013, Vladivostok, Russia // edited by Sergey Ovchinnikov and Alexander Samardak
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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 at the end of each chapters and indexes.
Nota di contenuto	Trends in Magnetism: Nanomagnetism (EASTMAG-2013); Preface and Committees; Table of Contents; Chapter 1: Fundamental Problems of Magnetism; Phase Transitions in the Antiferromagnetic Heisenberg Model on a Triangular Lattice with the Next-Nearest Neighbor Interactions; Magnetic Response of Pr _{1-x} La _x Ce _x CuO ₄ in Comparison with Hole-Doped Cuprates; Ising Antiferromagnet with Nearest-Neighbor and Next-Nearest-Neighbor Interactions on a Square Lattice; Fundamental Limitations of Half-Metallicity in Spintronic Materials Electronic Structure and Magnetic Properties of Iron Doped TiO ₂ (Rutile): XPS Measurements and CPA Calculations Statistical and Multifractal Properties of Barkhausen Jumps in Exchange-Coupled Antiferromagnetic/Ferromagnetic Bilayers; Modulated Nanomagnetism; Electronic Structure of Nonstoichiometric LaMnO _{3-x} Calculated in the Coherent Potential Approximation; The Investigation of Phase Transitions in Two-Dimensional 3-State Antiferromagnetic Potts Model on a Triangular Lattice with Interaction of Next Nearest Neighbors; Partially Disordered State in the Frustrated Heisenberg Ferrimagnet

Incommensurate Magnetic Structures in the Rhombohedrally Distorted Cubic Lattice Peculiarities of the Magnetocaloric Effect in an Isotropic Antiferromagnet; Phase Transitions between Magnetic Incommensurate States of Terbium Manganite in Magnetic Field; Upper Critical Field in Electron-Doped Superconductor with Nonstoichiometric Disorder near Antiferromagnetic-Superconducting Phase Boundary; Effect of Cobalt Deficiency on Physical Properties of the $\text{GdBaCo}_{2-x}\text{O}_{5+}$ Single Crystal; The Effect of Mechanical Stresses on the Coercive Force of the System of Two-Phase Interacting Nanoparticles
Quantum Theory of Magnetoelectric Properties of Rare-Earth Alumoborates: Holmium Alumoborate Percolation Effects in Composites Superconductor - Ferromagnetic Half-Metal; Magnetoelastic Resonance in Media with the Inhomogeneous Coupling Parameter; Hyperfine Interactions on Magnetic Ions Nuclei in Titanates; Thermodynamic and Relaxation Processes near Curie Point in Gadolinium; Phase Transitions in Magnets with Competing Exchange Interactions; Magnetic Phase Diagrams of $\text{Tm}_2\text{Fe}_{19-x}\text{Mn}_x$ and $\text{Tm}_2\text{Fe}_{17+}$ Systems; Spin Glass State in Iron-Doped $\text{Bi}_2\text{Fe}_{0.128}\text{Te}_{2.844}\text{Se}_{0.145}$ Topological Insulator First Principles Calculations of Magnetic Exchange Parameters of Fe-Mn-Al Heusler Alloys Chapter 2: Magnetic Films, Nanostructures and Nanoparticles; Crystal Structure and Coercivity of Electrodeposited Nickel Films; Solid-State Reactions in Fe/Si Multilayer Nanofilms; Coercivity of Amorphous - Single-Layer and Trilayer Films Fabricated by Chemical Deposition; Uniaxial Magnetic Anisotropy of Bismuth-Doped Ferrite-Garnet Films, Induced by Weak Adsorption; Magnetic and Structural Properties of Nanocomposite $\text{ZnO-Fe}_3\text{O}_4$ Films Prepared by Solid-State Synthesis
Magneto refractive Effect in Doped $\text{La}_{1-x}\text{K}_x\text{MnO}_3$ Thin Films

Sommario/riassunto

Collection of selected, peer reviewed papers from the V Euro-Asian Symposium "Trends in Magnetism": Nanomagnetism (EASTMAG-2013), September 15-21, 2013, Vladivostok, Russia. The 95 papers are grouped as follows: Chapter 1: Fundamental Problems of Magnetism, Chapter 2: Magnetic Films, Nanostructures and Nanoparticles, Chapter 3: Magnetoelectronic and Magnetoresistive Materials, Spin Polarized Transport, Chapter 4: Spin-Wave Dynamics, Chapter 5: Domain Structure and Walls, Chapter 6: Advanced Experimental Techniques, Chapter 7: Magnetic Memories, Sensors, Devices and Materials The 95 papers cov

2. Record Nr.	UNINA9910262256303321
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