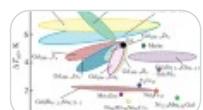


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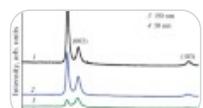
Magnetocaloric Effect: Optimization Problems and Solutions. New Magnetic Materials

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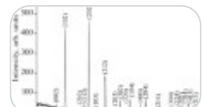
Magnetocaloric Effect in Intermetallic Compounds with Rare-Earth and Transition Metals: From Fundamental Aspects to Functional Applications

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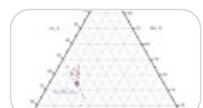
Structure and Magnetic Properties of GdTbDyHoEr Films

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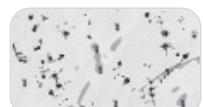
Magnetic and Magnetocaloric Characteristics of Mixed Manganese Pnictides

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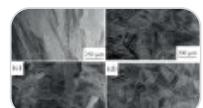
Metamagetostructural Phase Transition in a Nickel-Enriched Ni_{57.2}Mn_{31.6}In_{11.2} Heusler Alloy

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Magnetocaloric Properties of Medium-Entropy Gd_{0.33}Dy_{0.33}Y_{0.33}Ni Alloy and Its Hydride

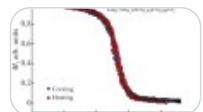
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Thermomagnetic Characteristics of Martensitic Transformation in the Ni₅₀Mn_{18.5}Ga₂₅Cu_{6.5} Alloy with the As-Cast and Recrystallized Equiaxed Structures

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Investigation of Magnetic and Magnetocaloric Properties of $\text{La}_{0.7}\text{Sr}_{0.3}\text{Mn}_{0.95}\text{Fe}_{0.05}\text{O}_3$ and $\text{La}_{0.7}\text{Sr}_{0.3}\text{Mn}_{0.9}\text{Cu}_{0.1}\text{O}_3$



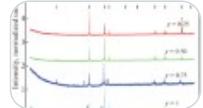
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Magnetic Properties of Melt-Spun Ribbons of Heusler $\text{Ni}_{37}\text{Co}_{13}\text{Mn}_{35}\text{Ti}_{15}$ Alloy under External Pressure



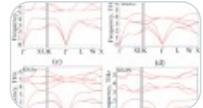
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Effect of Substitution of Co by Ni on the Magnetic Properties and Magnetocaloric Effect of $\text{Ho}((\text{Co}_{1-y}\text{Ni}_y)_{0.84}\text{Fe}_{0.16})_2$ Compounds



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The Thermoelectric Properties of $\text{KSc}(\text{Si, Ge, Sn, Pb})$ Half-Heusler Alloys



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Theoretical Study of Electronic and Magnetic Properties of GdRhIn with Strong Electron Correlations



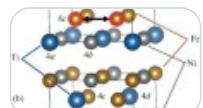
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Heat Capacity Analysis and First-Principles Calculations of Structural and Magnetic Properties of Mn_5Si_3 Compound



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Study of Magnetic and Magnetocaloric Properties of $\text{Fe}_{50-x}\text{Cu}_x\text{Ni}_{25}\text{Ti}_{25}$ Alloys



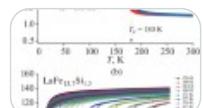
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Phase Stability and Ground State Properties of Ni–Mn–Ti Heusler Alloys

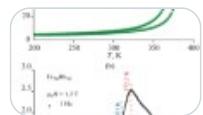


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Description of the Magnetocaloric Effect in an Alternating Magnetic Field in the Metamagnet $\text{LaFe}_{13.7}\text{Si}_{1.3}$ within the Framework of the Relaxation Model



Analytical Description of the Frequency Dependence of the Magnetocaloric Effect in the Cyclic Magnetic Field of $\text{Fe}_{50}\text{Rh}_{50}$

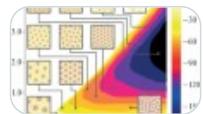


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Features of the Electronic and Magnetic Properties of Heusler Alloys in the States of a Half-Metallic Ferromagnet and a Spin-Gapless Semiconductor

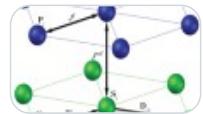
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The Problem of Measuring Topological Charge on a Discrete Triangular Lattice



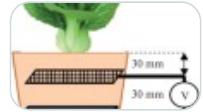
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Skyrmion Localization in Magnetoelectric Films with a Defect



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Plant Bioenergetics: Caloric Effects and Electrogenic Processes



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