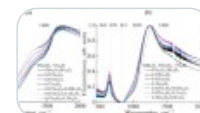




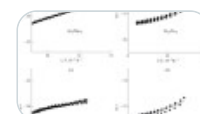
35 articles in this issue

### **Properties of Sodium-Germanate Glasses Doped by Bismuth, Thulium, and Erbium**



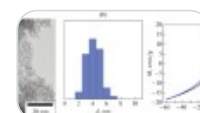
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### **Eutectic Al–Mg and Al–Zn Alloys: Liquid State, Crystallization, and Contact Interaction**



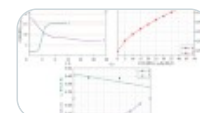
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### **Influence of Interparticle Interactions on the Frequency–Field Diagrams of the Imaginary Component of Magnetic Susceptibility of Nickel Ferrite Nanoparticles**



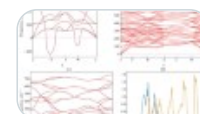
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### **Heat-Transfer Coefficient to Pulsed Superheated Aqueous Solution of Boric Acid**



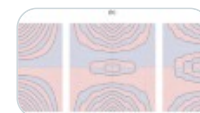
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### **Structure and Properties of $\text{ZrO}_2\text{:R}^{3+}$ : Ab Initio Calculation**



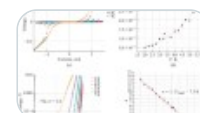
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### **Features of Trajectories Formed by the Wigner Current**



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### **Structure of FeSeTe Films on an Amorphous Substrate**



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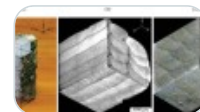
## **Preparation and Properties of High-Field Inductor Material Based on Ti- or Ni-Alloyed Cu–Nb Nanostructured Composite**



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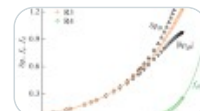
## **Study of the Structure and Properties of Parts Made of SvAMg5 Alloy by Wire Arc Additive Manufacturing**



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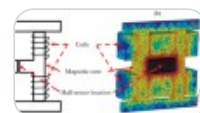
## **Comparative Study of Scaling Equations Describing the Density of SF<sub>6</sub> on the Saturation Line**



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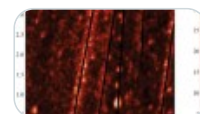
## **Finite Element Modeling of the Magnetic Flux Distribution in the Primary Transducer of a Differential Magnetic Structuroscope**



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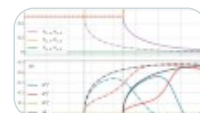
## **Features of the Surface Morphology of a CN<sub>x</sub>:Eu<sub>y</sub>O<sub>z</sub> Film Obtained Using a DC Magnetron**



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## **Study of the Ground State of the Three-Orbital Model of Layered Perovskite**



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## **Experimental Determination of the Density of Alkanes, Perfluoroalkanes, and Their Mixtures in the Temperature Range of 288–333 K at Atmospheric Pressure**



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## **Thermodynamic Properties of the Liquid Phase of Tantalum under Conditions of High-Intensity Processes**

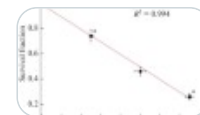


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## **Combined Effect of Ionizing Radiation and High Hydrostatic Pressure on Microorganisms**

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## **Effect of Liquefied Gases and Aqueous Biostimulant Solutions on Seed Germination and Subsequent Seedling Development of Meadow Clover**

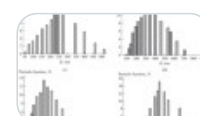
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## **A Quantum Support Vector Machine with Multilevel Systems**



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## **Magnetic Characteristics and Structures of Nanocomposites Based on Fe–Ni–Cr and Synthesized in Underwater Plasma**



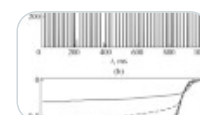
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## **Excitation of Local Modes on Circular Holes in Ferrite Films Using a Backward Volume Spin Wave**



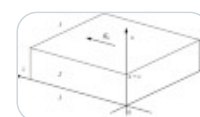
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## **Characteristics of Radiation from an Electric Discharge in a Liquid**



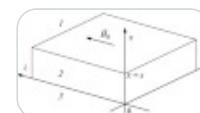
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## **Modulus and Orientation of the Poynting Vector of a Surface Spin Wave in a Tangentially Magnetized Ferrite Plate**



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## **Flow of the Energy of a Surface Spin Wave in a Tangentially Magnetized Ferrite Plate**



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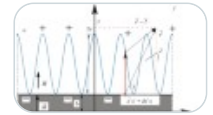
## **Investigation of the Coherent Remagnetization Regions of Ferrite–Garnet Films with Planar Anisotropy**



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## **Magnetic Field of a Uniformly Magnetized Microstrip with Sinusoidal Relief**



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## **Using High-Speed Cosmic Video Recordings of Lightning to Study Whistlers**



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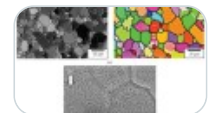
## **Characteristics of Ferrite-Filled Compositions Based on SEDM-2 Resin**



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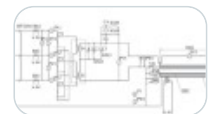
## **The Influence of Ion-Beam Surface Treatment of Fine-Grained Tungsten on the Fuzz Structure Formation by Helium Stationary Plasma**



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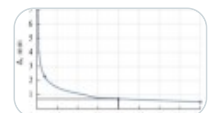
## **Modeling and Practical Implementation of a Phase Number Converter Based on a Scott Transformer Circuit for Single-Phase Induction-Resistive Heaters**



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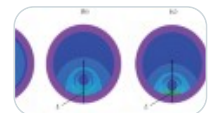
## **Creating High-Frequency Electromagnetic Fields for the Heating and Heat Treatment of Coated Parts to Improve Mechanical Properties**



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## **Improving the Uniformity of the Electric Field of an Induction-Resistive Heating System**



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## **Ways of Reducing the Effect of Higher Harmonics and Eddy Currents on the Hysteretic Electromechanical Conversion of Energy in Non-Symmetric Modes**



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## **Improving the Mechanical and Magnetic Properties of the Rotors of Hysteretic Electromechanical Energy Converters**



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## **Possible Photonuclear Experiments at $E_\gamma \sim 1\text{--}4$ MeV on $\gamma$ -Sources of the Backward Compton Scattering of Laser Radiation on Accelerated Electron Beams**



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## **Receiving Antenna for Recording High Power Microwave Radiation**



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