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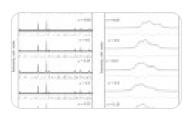


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### Structural and Magnetic Properties of Nonstoichiometric Tb<sub>0.27</sub>Dy<sub>0.73</sub>Fe<sub>1.9</sub>Mn<sub>x</sub> Compounds

A. M. Bartashevich V. A. Vaganov D. A. Kolodkin

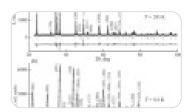
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#### Interrelation between Crystal and Magnetic Structures in La<sub>1-</sub> <sub>x</sub>Tb<sub>x</sub>Mn<sub>2</sub>Si<sub>2</sub> Compounds

N. V. MushnikovE. G. GerasimovA. N. Pirogov

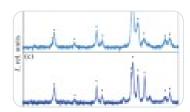
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#### Magnetic Properties and Structure of Sintered Rapidly Quenched Sm<sub>8.1</sub>Fe<sub>76.5</sub>V<sub>7.7</sub>Ti<sub>7.7</sub> Alloys

A. N. ShalaginovS. V. AndreevA. S. Volegov

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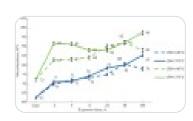


# Influence of Hf and Er on the Microstructure Evolution during Heat Treatment of Al-Mg Alloys with Combined Sc-Zr Microalloying

E. V. Aryshenskii V. Yu. Aryshenskii V. V. Makarov

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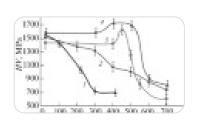


# The Aging and Recrystallization in Cu-Cr, Cu-Zr, and Cu-Cr-Zr Alloys Subjected to Dynamic Channel-Angular Pressing

V. I. Zel'dovichl. V. KhomskayaD. N. Abdullina

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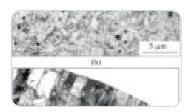


### Effect of Hydrogen on Grain Boundary Diffusion of Chromium in Zr–1 wt % Nb Alloy

G. P. GrabovetskayaE. N. StepanovaA. I. Manisheva

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### Structure and Superconducting Properties of Single-Filamentary MgB<sub>2</sub>/Nb,Cu Composite Doped with Carbon Nanotubes

E. I. KuznetsovaT. P. KrinitsinaA. S. Tsapleva

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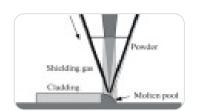
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### Study on Preparation of Carbon Nanotube Reinforced In Situ WC Composite Coating by Laser Cladding

Jinduo LiuDa ShuWei Yan

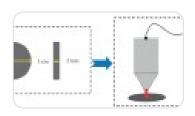
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### Effects of TIG Welding Parameters on Crack Sensitivity and Solidification Process for Co-Based Superalloys

Hairui JiangJianjun GuanJiaojiao Zhu

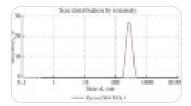
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# Investigation of Mechanical and Wear Behaviour of the Surface Composite AA5083/TiO<sub>2</sub> at Varying Different Tool Pin Profiles in Cooling-Assisted Friction Stir Process

Vishal BhojakJinesh Kumar JainTejendra Singh Singhal

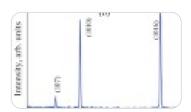
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#### **Effect of Substrate on Textural Characteristics of NiO Thin Film**

M. Fakharpourl. KarimzadehS. Hesami Tackallou

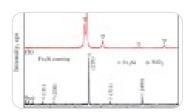
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## Microstructure and Tribocorrosion Properties of Fe<sub>3</sub>Si Coating Prepared by Molten Salt Infiltration Method

Xue Mao-chaoZhang Hong-xia

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#### Effect of Mode of Metal Transfer on Mechanical Properties of Duplex Stainless-Steel Welding

Gohil Chintan BahadursinhSanjay Narhar Soman

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