

Advanced Book Information

Shape Memory Alloys

SMA 2018

Vasiliy Buchelnikov, Vladimir Sokolovskiy, Mikhail Zagrebin, Olga Miroshkina

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The book presents selected, peer reviewed papers from the 3rd International Conference on “Shape Memory Alloys” (SMA 2018)

Keyword: Shape Memory Alloys, Martensitic Transformations, Biocompatible Porous Materials, Ni-Mn Intermetallic Alloys, Superelastic Alloys, Ti-Ni Shape Memory Alloys, Novel Superelastic Ti-Zr-Based Alloys, Solid State Cooling, Pulsed Electron Beam Treatment, Surface Modification, Carbon Polytypes, Fluorographene, Diamond-Like Phase Transformations, Solid Oxide Fuel Cell, Multiferroics, Fe-Ga Phase Diagram, Fe-Ge Phase Diagram, Fe-Al Phase Diagram

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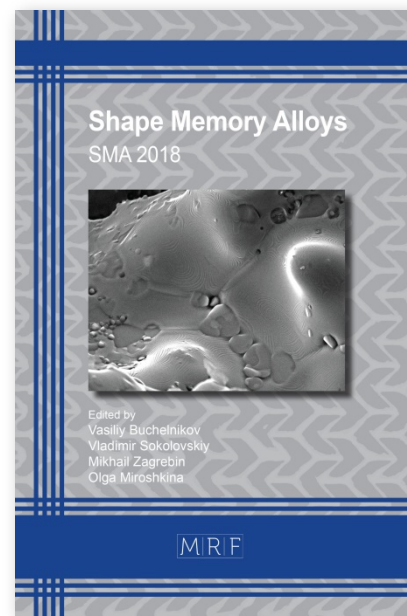
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The book presents selected, peer reviewed papers from the 3rd International Conference on “Shape Memory Alloys” (SMA 2018). Covered are: Physical, mechanical and functional properties of shape memory alloys. Structure and martensitic phase transformations. Theory and mathematical modelling. Materials design and calculations of functional properties. Design, synthesis and functional properties of novel materials. Manufacturing technology and applications of shape memory alloys.



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