

CONTENTS BY KEYWORD

Cellular materials	Durability of YZA ceramic foams in a porous burner P. J. Elverum <i>et al.</i>	155								
Ceramics	Electrical properties of MREGeO ₄ (M = Li, Na, K; RE = rare earth) ceramics Y. L. Aung <i>et al.</i>	129								
Characterization methods	Flash microwave synthesis of Mn ₃ O ₄ -hausmannite nanoparticles C. Bousquet-Berthelin <i>et al.</i>	253								
Coatings	Highly <i>c</i> -axis oriented ZnO film on silica glass using zinc naphthenate precursor B. H. Kim <i>et al.</i>	237								
Composite materials	Nanocomposites of carbon nanotubes and silicone-containing polyelectrolyte as a candidate for construction of humidity sensor Y. Li <i>et al.</i>	245								
Deformation and fracture	Durability of YZA ceramic foams in a porous burner P. J. Elverum <i>et al.</i>	155	Analysis of microhardness data using the normalized power law equation and energy balance model N. K. Mukhopadhyay	241						
Electrical properties	Low-field magnetoresistance in La _{0.7} Ca _{0.3} MnO ₃ manganite compounds prepared by the spray drying technique B. Vertruyen <i>et al.</i>	117	Electrical properties of MREGeO ₄ (M = Li, Na, K; RE = rare earth) ceramics Y. L. Aung <i>et al.</i>	129						
Electrochemistry	Electrical properties of MREGeO ₄ (M = Li, Na, K; RE = rare earth) ceramics Y. L. Aung <i>et al.</i>	129								
Grain boundaries	Low-field magnetoresistance in La _{0.7} Ca _{0.3} MnO ₃ manganite compounds prepared by the spray drying technique B. Vertruyen <i>et al.</i>	117								
Hardness	Analysis of microhardness data using the normalized power law equation and energy balance model N. K. Mukhopadhyay	241								
Heat treatment	Investigation of a Cu-Zn-Al alloy with two-way shape memory effect by the cycled constrained heating/cooling technique H. W. Kim	211	Real-time observation of the expansion behavior of intercalated graphite flake S. Lee <i>et al.</i>	231						
Intermetallic alloys and compounds	Effect of cooling rate on the order in martensite of a Cu-Zn-Al alloy L. Zhou <i>et al.</i>	123								
Magnetic materials	Effect of Fe addition on transformation temperatures and hardness of NiMnGa magnetic shape memory alloys F. Chen <i>et al.</i>	219								
Mechanical properties	Epoxidised natural rubber/silica hybrid nanocomposites by sol-gel technique: Effect of reactants on the structure and the properties A. Bandyopadhyay <i>et al.</i>	53	Influence of the microstructure on the toughness of a duplex stainless steel UNS S31803 S. S. M. Tavares <i>et al.</i>	145						
Metals and alloys	Effect of cooling rate on the order in martensite of a Cu-Zn-Al alloy L. Zhou <i>et al.</i>	123	Enthalpies of formation of liquid binary lanthanide-metal alloys L. Jiang <i>et al.</i>	207	Investigation of a Cu-Zn-Al alloy with two-way shape memory effect by the cycled constrained heating/cooling technique H. W. Kim	211	Hollow copper micro-amygdalae with porous shells G. Li <i>et al.</i>	235	Analysis of microhardness data using the normalized power law equation and energy balance model N. K. Mukhopadhyay	241
Microstructure	Influence of the microstructure on the toughness of a duplex stainless steel UNS S31803 S. S. M. Tavares <i>et al.</i>	145	Investigation of a Cu-Zn-Al alloy with two-way shape memory effect by the cycled constrained heating/cooling technique H. W. Kim	211	Real-time observation of the expansion behavior of intercalated graphite flake S. Lee <i>et al.</i>	231	Hollow copper micro-amygdalae with porous shells G. Li <i>et al.</i>	235	Study of SiO ₂ -filled polysiloxane system through dynamic rheological measurements H. Hu <i>et al.</i>	249
Nanocomposites	Epoxidised natural rubber/silica hybrid nanocomposites by sol-gel technique: Effect of reactants on the structure and the properties A. Bandyopadhyay <i>et al.</i>	53								
Nanomaterials	Hollow copper micro-amygdalae with porous shells G. Li <i>et al.</i>	235	Flash microwave synthesis of Mn ₃ O ₄ -hausmannite nanoparticles C. Bousquet-Berthelin <i>et al.</i>	253						
Phase transformations	Influence of the microstructure on the toughness of a duplex stainless steel UNS S31803 S. S. M. Tavares <i>et al.</i>	145	Effect of Fe addition on transformation temperatures and hardness of NiMnGa magnetic shape memory alloys F. Chen <i>et al.</i>	219						
Polymers	Synthesis and characterization of polyaniline in CTAB/hexanol/water reversed micelle S. Xing <i>et al.</i>	215	Nanocomposites of carbon nanotubes and silicone-containing polyelectrolyte as a candidate for construction of humidity sensor Y. Li <i>et al.</i>	245						
Smart materials	Effect of cooling rate on the order in martensite of a Cu-Zn-Al alloy L. Zhou <i>et al.</i>	123								

(Continued)

Sol-gel preparation	Epoxidised natural rubber/silica hybrid nanocomposites by sol-gel technique:	
	Effect of reactants on the structure and the properties	A. Bandyopadhyay <i>et al.</i> 53
	Highly <i>c</i> -axis oriented ZnO film on silica glass using zinc naphthenate precursor	B. H. Kim <i>et al.</i> 237
Surfactant	Synthesis and characterization of polyaniline in CTAB/hexanol/water reversed micelle	S. Xing <i>et al.</i> 215
Thermal properties	Durability of YZA ceramic foams in a porous burner	P. J. Elverum <i>et al.</i> 155
	Enthalpies of formation of liquid binary lanthanide-metal alloys	L. Jiang <i>et al.</i> 207
	Real-time observation of the expansion behavior of intercalated graphite flake	S. Lee <i>et al.</i> 231
Viscoelasticity	Study of SiO ₂ -filled polysiloxane system through dynamic rheological measurements	H. Hu <i>et al.</i> 249