

CONTENTS BY KEYWORD

Adhesion	Cavitation erosion behavior of nanocrystalline diamond thin films on silicon substrates G. Bregliozi <i>et al.</i>	6603
Amorphous materials	Formation of amorphous Al ₂ O ₃ phase on aluminum alloy by <i>in-situ</i> laser cladding T. M. Yue <i>et al.</i>	6599
Biomaterials	Preparation and characterization of plasticized cellulose acetate biocomposite with natural fiber J. S. Choi <i>et al.</i>	6631
Catalysts	Influence of synthesis methodology and post treatments on structural and textural variations in MgAlCO ₃ hydrotalcite S. Kannan	6591
Characterization methods	Influence of synthesis methodology and post treatments on structural and textural variations in MgAlCO ₃ hydrotalcite S. Kannan	6591
	Effect of fly ash addition on the magnesium content of casting aluminum alloy A535 E. Gikunoo <i>et al.</i>	6619
Composite materials	Effect of fly ash addition on the magnesium content of casting aluminum alloy A535 E. Gikunoo <i>et al.</i>	6619
	Preparation and characterization of plasticized cellulose acetate biocomposite with natural fiber J. S. Choi <i>et al.</i>	6631
Corrosion and oxidation	Corrosion behavior of Al ₂ O ₃ in static state water vapor environment at high temperature S. Ueno <i>et al.</i>	6627
Crystallization	Deformation, stress relaxation, and crystallization of lithium silicate glass fibers below the glass transition temperature S. T. Reis <i>et al.</i>	6539
	Influence of synthesis methodology and post treatments on structural and textural variations in MgAlCO ₃ hydrotalcite S. Kannan	6591
Deformation and fracture	Free nitrogen effect on creep failure and creep crack growth of C-Mn steel M. S. Han <i>et al.</i>	6555
	Mechanical properties and microstructural characterization of extrusion welds in AA6082-T4 A. Loukus <i>et al.</i>	6561
Deposition techniques	Cathodic electrodeposition of amorphous titanium oxide films from an alkaline solution bath C. D. Lokhande <i>et al.</i>	6607
Diffusion	Non-equilibrium grain boundary segregation kinetics of phosphorus in 12Cr1MoV steel at different solution temperatures L. Qingfen <i>et al.</i>	6551
	Phase diagram of binary Ti-Ni alloys on Ti-rich side under a pressure of 2.2 GPa H. Araki <i>et al.</i>	6645
Fiber technologies	Deformation, stress relaxation, and crystallization of lithium silicate glass fibers below the glass transition temperature S. T. Reis <i>et al.</i>	6539
Glasses	Deformation, stress relaxation, and crystallization of lithium silicate glass fibers below the glass transition temperature S. T. Reis <i>et al.</i>	6539
Grain boundaries	Non-equilibrium grain boundary segregation kinetics of phosphorus in 12Cr1MoV steel at different solution temperatures L. Qingfen <i>et al.</i>	6551
	Effect of carbon on embrittlement, processing and mechanical properties of Fe-9 wt% Al alloys R. G. Baligidad	6623
Hardness	Effect of growth rate and lamellar spacing on microhardness in the directionally solidified Pb-Cd, Sn-Zn and Bi-Cd eutectic alloys H. Kaya <i>et al.</i>	6571
Intermetallic alloys and compounds	Effect of carbon on embrittlement, processing and mechanical properties of Fe-9 wt% Al alloys R. G. Baligidad	6623
Kinetics	Non-equilibrium grain boundary segregation kinetics of phosphorus in 12Cr1MoV steel at different solution temperatures L. Qingfen <i>et al.</i>	6551
Laser processing	Formation of amorphous Al ₂ O ₃ phase on aluminum alloy by <i>in-situ</i> laser cladding T. M. Yue <i>et al.</i>	6599
Magnetic materials	Mechanical properties of thermally cycled nylon bonded Nd-Fe-B permanent magnets J. Hemrick <i>et al.</i>	6509
Mechanical properties	Formability of AA8011 aluminum alloy sheet in homogenized and unhomogenized conditions M. Aghaie-Khafri	6467
	Mechanical properties of thermally cycled nylon bonded Nd-Fe-B permanent magnets J. Hemrick <i>et al.</i>	6509
	Free nitrogen effect on creep failure and creep crack growth of C-Mn steel M. S. Han <i>et al.</i>	6555
	Mechanical properties and microstructural characterization of extrusion welds in AA6082-T4 A. Loukus <i>et al.</i>	6561
	Effect of growth rate and lamellar spacing on microhardness in the directionally solidified Pb-Cd, Sn-Zn and Bi-Cd eutectic alloys H. Kaya <i>et al.</i>	6571
	Effect of carbon on embrittlement, processing and mechanical properties of Fe-9 wt% Al alloys R. G. Baligidad	6623

(Continued)

Metals and alloys	Formability of AA8011 aluminum alloy sheet in homogenized and unhomogenized conditions M. Aghaie-Khafri	6467
	Free nitrogen effect on creep failure and creep crack growth of C-Mn steel M. S. Han <i>et al.</i>	6555
Microstructure	Formability of AA8011 aluminum alloy sheet in homogenized and unhomogenized conditions M. Aghaie-Khafri	6467
	Mechanical properties and microstructural characterization of extrusion welds in AA6082-T4 A. Loukus <i>et al.</i>	6561
	Effect of growth rate and lamellar spacing on microhardness in the directionally solidified Pb-Cd, Sn-Zn and Bi-Cd eutectic alloys H. Kaya <i>et al.</i>	6571
	Influence of synthesis methodology and post treatments on structural and textural variations in MgAlCO ₃ hydrotalcite S. Kannan	6591
	Effect of fly ash addition on the magnesium content of casting aluminum alloy A535 E. Gikunoo <i>et al.</i>	6619
Nanocomposites	Tribological properties of surface modified nano-alumina/epoxy composites Q. L. Ji <i>et al.</i>	6487
Phase diagrams	Phase diagram of binary Ti-Ni alloys on Ti-rich side under a pressure of 2.2 GPa H. Araki <i>et al.</i>	6645
Photoreactive materials	Cathodic electrodeposition of amorphous titanium oxide films from an alkaline solution bath C. D. Lokhande <i>et al.</i>	6607
Polymers	Tribological properties of surface modified nano-alumina/epoxy composites Q. L. Ji <i>et al.</i>	6487
	Preparation and characterization of plasticized cellulose acetate biocomposite with natural fiber J. S. Choi <i>et al.</i>	6631
Semiconductors	Cathodic electrodeposition of amorphous titanium oxide films from an alkaline solution bath C. D. Lokhande <i>et al.</i>	6607
Surfaces	Corrosion behavior of Al ₂ O ₃ in static state water vapor environment at high temperature S. Ueno <i>et al.</i>	6627
Thin and thick film coatings	Cavitation erosion behavior of nanocrystalline diamond thin films on silicon substrates G. Bregliozzi <i>et al.</i>	6603
Wear	Cavitation erosion behavior of nanocrystalline diamond thin films on silicon substrates G. Bregliozzi <i>et al.</i>	6603