

CONTENTS BY KEYWORD

Adhesion	Pearl powder bio-coating and patterning by electrophoretic deposition R. Wang	4961
Biomaterials	Pearl powder bio-coating and patterning by electrophoretic deposition R. Wang	4961
Catalysts	Synthesis of polycrystalline diamond in the boron carbide–graphite and boron–graphite systems under high pressure and temperature E. A. Ekimov <i>et al.</i>	4957
Cellular materials	Cross-linking behavior of a polysiloxane in preceramic foam processing C. Wang <i>et al.</i>	4913
	Elastic properties of a Poisson–Shear material T.-C. Lim	4965
Ceramics	Fabrication and wear properties of Al ₂ O ₃ –SiC ceramic coatings using aluminum phosphate as binder L. He <i>et al.</i>	4887
	Preparation and characterization of SiO ₂ –CeO ₂ particles applicable for environment-friendly yellow pigments T. Masui <i>et al.</i>	4909
	Effects of O ₂ and N ₂ atmospheres on the PTCR characteristics of Y-doped PTCR BaTiO ₃ ceramics J.-G. Kim	4931
	Synthesis of polycrystalline diamond in the boron carbide–graphite and boron–graphite systems under high pressure and temperature E. A. Ekimov <i>et al.</i>	4957
Chemical vapour deposition	Preparation of ZrO ₂ fine particles by CVD process: Thermal decomposition of zirconium <i>tert</i> -butoxide vapor H. Keskinen <i>et al.</i>	4923
Coatings	Fabrication and wear properties of Al ₂ O ₃ –SiC ceramic coatings using aluminum phosphate as binder L. He <i>et al.</i>	4887
	Pearl powder bio-coating and patterning by electrophoretic deposition R. Wang	4961
Composite materials	Thermal stability of three-dimensional carbon fiber reinforced Si–O–C composites fabricated by polysiloxane pyrolysis Q.-S. Ma <i>et al.</i>	4901
	Using embossing to create tough polymeric-based structures W. Jordan <i>et al.</i>	4903
	Study on the <i>in situ</i> composites microstructure of the directionally solidified hypoeutectic Cu–Cr alloys J. Li <i>et al.</i>	4933
	Time dependence of electrical resistivity under uniaxial pressures for carbon black/polymer composites W. Peng <i>et al.</i>	4937
Curing	Cross-linking behavior of a polysiloxane in preceramic foam processing C. Wang <i>et al.</i>	4913
Elastic properties	Elastic properties of a Poisson–Shear material T.-C. Lim	4965
Electrical properties	Effects of O ₂ and N ₂ atmospheres on the PTCR characteristics of Y-doped PTCR BaTiO ₃ ceramics J.-G. Kim	4931
	Synthesis of polycrystalline diamond in the boron carbide–graphite and boron–graphite systems under high pressure and temperature E. A. Ekimov <i>et al.</i>	4957
Electronic materials	Structural and magnetic properties of annealed ZnO–Co digital alloys D. W. Kim <i>et al.</i>	4917
	Time dependence of electrical resistivity under uniaxial pressures for carbon black/polymer composites W. Peng <i>et al.</i>	4937
Ferroelectrics	Evolution and removal of ferroelectric domains on KNbO ₃ film by an atomic force microscope with a conductive cantilever Y. Tomita <i>et al.</i>	4905
	Effect of gradient stress on the formation of heterophase structure in lead titanate films L.-B. Li <i>et al.</i>	4953
Heat treatment	Influences of solution treatment on compressive properties of porous NiTi shape memory alloy with the porosity of 53.4 vol% fabricated by combustion synthesis . . . C. L. Chu <i>et al.</i>	4949
Imaging	Evolution and removal of ferroelectric domains on KNbO ₃ film by an atomic force microscope with a conductive cantilever Y. Tomita <i>et al.</i>	4905
Magnetic materials	Structural and magnetic properties of annealed ZnO–Co digital alloys D. W. Kim <i>et al.</i>	4917
Mechanical properties	Thermal stability of three-dimensional carbon fiber reinforced Si–O–C composites fabricated by polysiloxane pyrolysis Q.-S. Ma <i>et al.</i>	4901
	Using embossing to create tough polymeric-based structures W. Jordan <i>et al.</i>	4903
	Influences of solution treatment on compressive properties of porous NiTi shape memory alloy with the porosity of 53.4 vol% fabricated by combustion synthesis . . . C. L. Chu <i>et al.</i>	4949
Microstructure	Thermal stability of three-dimensional carbon fiber reinforced Si–O–C composites fabricated by polysiloxane pyrolysis Q.-S. Ma <i>et al.</i>	4901
	Study on the <i>in situ</i> composites microstructure of the directionally solidified hypoeutectic Cu–Cr alloys J. Li <i>et al.</i>	4933
	TEM comparison of chrysotile (asbestos) nanotubes and carbon nanotubes L. E. Murr <i>et al.</i>	4941
	Effect of gradient stress on the formation of heterophase structure in lead titanate films L.-B. Li <i>et al.</i>	4953

(Continued)

Modelling	Elastic properties of a Poisson–Shear material	T.-C. Lim	4965
Nanomaterials	Evolution and removal of ferroelectric domains on KNbO ₃ film by an atomic force microscope with a conductive cantilever	Y. Tomita <i>et al.</i>	4905
	Dispersion of carbon nanotubes in polymer matrix by <i>in-situ</i> emulsion polymerization	W. Zhang <i>et al.</i>	4921
	Preparation of ZrO ₂ fine particles by CVD process: Thermal decomposition of zirconium <i>tert</i> -butoxide vapor	H. Keskinen <i>et al.</i>	4923
	TEM comparison of chrysotile (asbestos) nanotubes and carbon nanotubes	L. E. Murr <i>et al.</i>	4941
Optical materials and properties	Preparation and characterization of SiO ₂ -CeO ₂ particles applicable for environment-friendly yellow pigments	T. Masui <i>et al.</i>	4909
Polymers	Using embossing to create tough polymeric-based structures	W. Jordan <i>et al.</i>	4903
	Dispersion of carbon nanotubes in polymer matrix by <i>in-situ</i> emulsion polymerization	W. Zhang <i>et al.</i>	4921
Porosity	Effects of O ₂ and N ₂ atmospheres on the PTCR characteristics of Y-doped PTCR BaTiO ₃ ceramics	J.-G. Kim	4931
Powder technology	Effect of FeB additions on sintering characteristics of injection moulded 17-4PH stainless steel powder	H. Ö. Gülsoy <i>et al.</i>	4835
Sintering	Effect of FeB additions on sintering characteristics of injection moulded 17-4PH stainless steel powder	H. Ö. Gülsoy <i>et al.</i>	4835
Smart materials	Time dependence of electrical resistivity under uniaxial pressures for carbon black/polymer composites	W. Peng <i>et al.</i>	4937
	Influences of solution treatment on compressive properties of porous NiTi shape memory alloy with the porosity of 53.4 vol% fabricated by combustion synthesis	C. L. Chu <i>et al.</i>	4949
Sol-gel preparation	Preparation and characterization of SiO ₂ -CeO ₂ particles applicable for environment-friendly yellow pigments	T. Masui <i>et al.</i>	4909
Solidification	Study on the <i>in situ</i> composites microstructure of the directionally solidified hypoeutectic Cu–Cr alloys	J. Li <i>et al.</i>	4933
Sputter deposition	Structural and magnetic properties of annealed ZnO–Co digital alloys	D. W. Kim <i>et al.</i>	4917
Surfaces	Effect of gradient stress on the formation of heterophase structure in lead titanate films	L.-B. Li <i>et al.</i>	4953
Viscosity	Cross-linking behavior of a polysiloxane in preceramic foam processing	C. Wang <i>et al.</i>	4913
Wear	Fabrication and wear properties of Al ₂ O ₃ -SiC ceramic coatings using aluminum phosphate as binder	L. He <i>et al.</i>	4887