

# CONTENTS BY KEYWORD

<b>Bonding</b>	Transmission electron microscopy studies of the bonded SiC-SiC interface .....	G. N. Yushin <i>et al.</i>	<b>4369</b>
<b>Ceramics</b>	Effects of carbon on the microstructure and fracture toughness of composite ceramic materials .....	C. Xu <i>et al.</i>	<b>4419</b>
	Characterization and microwave dielectric properties of a new $A_6B_5O_{18}$ -type cation-deficient perovskite $Ba_4Nd_2Ti_3Nb_2O_{18}$ .....	H. Zhang <i>et al.</i>	<b>4427</b>
	Effects of Sr and Cr doping on properties of $La_2Mo_2O_9$ electrolytes .....	K. S. Yoo <i>et al.</i>	<b>4431</b>
	Categorizing dielectric dispersion using the multiple-arc approach .....	H. S. B. Elayyan <i>et al.</i>	<b>4435</b>
<b>Characterization methods</b>	TEM study of the FSW nugget in AA2195-T81 .....	J. A. Schneider <i>et al.</i>	<b>4341</b>
	Categorizing dielectric dispersion using the multiple-arc approach .....	H. S. B. Elayyan <i>et al.</i>	<b>4435</b>
<b>Coatings</b>	Loose porous composites of Ni/short carbon fibers prepared by electrodeposition .....	Y. P. Tang <i>et al.</i>	<b>4399</b>
	Design and cross-linking reaction of blend of reactive polymer latex particles .....	M.-J. Yang <i>et al.</i>	<b>4403</b>
<b>Composite materials</b>	Electrical behaviour of chemically activated fly ash .....	W. J. McCarter <i>et al.</i>	<b>4313</b>
	Single fibre pullout tests on auxetic polymeric fibres .....	V. R. Simkins <i>et al.</i>	<b>4355</b>
	$BaTiO_3/CoFe_2O_4$ particulate composites with large high frequency magnetoelectric response .....	S. Q. Ren <i>et al.</i>	<b>4375</b>
	Preparation and tribological properties of poly(methyl methacrylate)/multi-walled carbon nanotubes composites .....	B. Dong <i>et al.</i>	<b>4379</b>
	Loose porous composites of Ni/short carbon fibers prepared by electrodeposition .....	Y. P. Tang <i>et al.</i>	<b>4399</b>
<b>Crystallization</b>	Synthesis of nanosized Y-type $TiOPc$ by a high gravity method .....	L. Shao <i>et al.</i>	<b>4373</b>
<b>Deformation and fracture</b>	Extrudate fracture and spheronisation of microcrystalline cellulose pastes .....	S. L. Rough <i>et al.</i>	<b>4199</b>
<b>Diffusion</b>	Design and cross-linking reaction of blend of reactive polymer latex particles .....	M.-J. Yang <i>et al.</i>	<b>4403</b>
<b>Electrical properties</b>	Electrical behaviour of chemically activated fly ash .....	W. J. McCarter <i>et al.</i>	<b>4313</b>
	“Universal” curve of ionic conductivities in binary alkali borate glasses .....	M. L. F. Nascimento <i>et al.</i>	<b>4423</b>
	Characterization and microwave dielectric properties of a new $A_6B_5O_{18}$ -type cation-deficient perovskite $Ba_4Nd_2Ti_3Nb_2O_{18}$ .....	H. Zhang <i>et al.</i>	<b>4427</b>
<b>Electronic materials</b>	Characterization and microwave dielectric properties of a new $A_6B_5O_{18}$ -type cation-deficient perovskite $Ba_4Nd_2Ti_3Nb_2O_{18}$ .....	H. Zhang <i>et al.</i>	<b>4427</b>
<b>Electronic properties</b>	Zinc oxide thin film gas sensor for detection of acetone .....	P. P. Sahay	<b>4383</b>
	Effects of Sr and Cr doping on properties of $La_2Mo_2O_9$ electrolytes .....	K. S. Yoo <i>et al.</i>	<b>4431</b>
<b>Ferroelectrics</b>	Categorizing dielectric dispersion using the multiple-arc approach .....	H. S. B. Elayyan <i>et al.</i>	<b>4435</b>
<b>Fiber technologies</b>	Single fibre pullout tests on auxetic polymeric fibres .....	V. R. Simkins <i>et al.</i>	<b>4355</b>
<b>Fly ash</b>	Relationships between composition, structure and strength of inorganic polymers Part 2 <i>Fly ash-derived inorganic polymers</i> .....	M. Steveson <i>et al.</i>	<b>4247</b>
<b>Fracture</b>	Transition in material removal behavior during repeated scratching of optical glasses .....	R. Thonggoom <i>et al.</i>	<b>4279</b>
<b>Geopolymer</b>	Relationships between composition, structure and strength of inorganic polymers Part 2 <i>Fly ash-derived inorganic polymers</i> .....	M. Steveson <i>et al.</i>	<b>4247</b>
<b>Glasses</b>	Transition in material removal behavior during repeated scratching of optical glasses .....	R. Thonggoom <i>et al.</i>	<b>4279</b>
	“Universal” curve of ionic conductivities in binary alkali borate glasses .....	M. L. F. Nascimento <i>et al.</i>	<b>4423</b>
<b>Heat treatment</b>	TEM study of the FSW nugget in AA2195-T81 .....	J. A. Schneider <i>et al.</i>	<b>4341</b>
<b>Inorganic polymers</b>	Relationships between composition, structure and strength of inorganic polymers Part 2 <i>Fly ash-derived inorganic polymers</i> .....	M. Steveson <i>et al.</i>	<b>4247</b>
<b>Laser processing</b>	Wear properties of alloyed layers produced by laser surface alloying of pure titanium with $B_4C$ and Ti mixed powders .....	Y. S. Tian <i>et al.</i>	<b>4387</b>
<b>Macro defects</b>	Extrudate fracture and spheronisation of microcrystalline cellulose pastes .....	S. L. Rough <i>et al.</i>	<b>4199</b>
<b>Magnetic materials</b>	Preparation and magnetic properties of the $CoFe_2O_4$ thin films on Si substrate by sol-gel technique .....	N. C. Pramanik <i>et al.</i>	<b>4169</b>
	Synthesis of hollow microspheres of nickel using spheres of metallic zinc as templates under mild conditions .....	M. Ning <i>et al.</i>	<b>4411</b>
<b>Mechanical properties</b>	Effects of carbon on the microstructure and fracture toughness of composite ceramic materials .....	C. Xu <i>et al.</i>	<b>4419</b>

(Continued)

<b>Metakaolin</b>	Relationships between composition, structure and strength of inorganic polymers Part 2 <i>Fly ash-derived inorganic polymers</i> .....	M. Steveson <i>et al.</i> <b>4247</b>
<b>Microanalysis</b>	Transmission electron microscopy studies of the bonded SiC-SiC interface .....	G. N. Yushin <i>et al.</i> <b>4369</b>
<b>Microstructure</b>	TEM study of the FSW nugget in AA2195-T81 .....	J. A. Schneider <i>et al.</i> <b>4341</b>
	Synthesis of hollow microspheres of nickel using spheres of metallic zinc as templates under mild conditions .....	M. Ning <i>et al.</i> <b>4411</b>
	Effects of carbon on the microstructure and fracture toughness of composite ceramic materials .....	C. Xu <i>et al.</i> <b>4419</b>
<b>Nanocomposites</b>	Synthesis and structure of multi-layered WS <sub>2</sub> (CoS), MoS <sub>2</sub> (Mo) nanocapsules and single-layered WS <sub>2</sub> (W) nanoparticles .....	P. Z. Si <i>et al.</i> <b>4287</b>
	Preparation and tribological properties of poly(methyl methacrylate)/multi-walled carbon nanotubes composites .....	B. Dong <i>et al.</i> <b>4379</b>
	Flexural and tribological properties of polyester-clay nanocomposites .....	P. Jawahar <i>et al.</i> <b>4391</b>
<b>Nanomaterials</b>	Synthesis and structure of multi-layered WS <sub>2</sub> (CoS), MoS <sub>2</sub> (Mo) nanocapsules and single-layered WS <sub>2</sub> (W) nanoparticles .....	P. Z. Si <i>et al.</i> <b>4287</b>
	Synthesis of nanosized Y-type TiOPc by a high gravity method .....	L. Shao <i>et al.</i> <b>4373</b>
<b>Piezoelectric materials</b>	BaTiO <sub>3</sub> /CoFe <sub>2</sub> O <sub>4</sub> particulate composites with large high frequency magnetoelectric response .....	S. Q. Ren <i>et al.</i> <b>4375</b>
<b>Polymers</b>	Single fibre pullout tests on auxetic polymeric fibres .....	V. R. Simkins <i>et al.</i> <b>4355</b>
	Flexural and tribological properties of polyester-clay nanocomposites .....	P. Jawahar <i>et al.</i> <b>4391</b>
	Design and cross-linking reaction of blend of reactive polymer latex particles .....	M.-J. Yang <i>et al.</i> <b>4403</b>
<b>Semiconductors</b>	Transmission electron microscopy studies of the bonded SiC-SiC interface .....	G. N. Yushin <i>et al.</i> <b>4369</b>
	Zinc oxide thin film gas sensor for detection of acetone .....	P. P. Sahay <b>4383</b>
<b>Sol-gel preparation</b>	Preparation and magnetic properties of the CoFe <sub>2</sub> O <sub>4</sub> thin films on Si substrate by sol-gel technique .....	N. C. Pramanik <i>et al.</i> <b>4169</b>
	BaTiO <sub>3</sub> /CoFe <sub>2</sub> O <sub>4</sub> particulate composites with large high frequency magnetoelectric response .....	S. Q. Ren <i>et al.</i> <b>4375</b>
<b>Surfaces</b>	Wear properties of alloyed layers produced by laser surface alloying of pure titanium with B <sub>4</sub> C and Ti mixed powders .....	Y. S. Tian <i>et al.</i> <b>4387</b>
<b>Thermal properties</b>	Effects of Sr and Cr doping on properties of La <sub>2</sub> Mo <sub>2</sub> O <sub>9</sub> electrolytes .....	K. S. Yoo <i>et al.</i> <b>4431</b>
<b>Thin and thick film coatings</b>	Preparation and magnetic properties of the CoFe <sub>2</sub> O <sub>4</sub> thin films on Si substrate by sol-gel technique .....	N. C. Pramanik <i>et al.</i> <b>4169</b>
	Zinc oxide thin film gas sensor for detection of acetone .....	P. P. Sahay <b>4383</b>
<b>Transport mechanism</b>	“Universal” curve of ionic conductivities in binary alkali borate glasses .....	M. L. F. Nascimento <i>et al.</i> <b>4423</b>
<b>Tribology</b>	Transition in material removal behavior during repeated scratching of optical glasses .....	R. Thonggoom <i>et al.</i> <b>4279</b>
	Flexural and tribological properties of polyester-clay nanocomposites .....	P. Jawahar <i>et al.</i> <b>4391</b>
<b>Wear</b>	Preparation and tribological properties of poly(methyl methacrylate)/multi-walled carbon nanotubes composites .....	B. Dong <i>et al.</i> <b>4379</b>
	Wear properties of alloyed layers produced by laser surface alloying of pure titanium with B <sub>4</sub> C and Ti mixed powders .....	Y. S. Tian <i>et al.</i> <b>4387</b>