

# CONTENTS BY KEYWORD

---

<b>Adhesion</b>	Scanning electron acoustic microscopy (SEAM): A technique for the detection of contact-induced surface & sub-surface cracks.....	T. F. Page <i>et al.</i>	<b>6791</b>
<b>Amorphous materials</b>	<i>In situ</i> preparation of Co phthalocyanine on a porous silica gel surface and the study of the electrochemical oxidation of oxalic acid.....	M. Toledo <i>et al.</i>	<b>6851</b>
<b>Biomaterials</b>	TOF-SIMS study of bone mineralization on alkali-treated Ti alloy..... Synthesis of Ba-ferrite microspheres doped with Sr for thermoseeds in hyperthermia .....	X. Lu <i>et al.</i>	<b>6809</b>
<b>Catalysts</b>	<i>In situ</i> preparation of Co phthalocyanine on a porous silica gel surface and the study of the electrochemical oxidation of oxalic acid.....	M. Toledo <i>et al.</i>	<b>6851</b>
<b>Ceramics</b>	Refractories: Controlled microstructure composites for extreme environments..... Analytical transmission electron microscopy and surface spectroscopy of ceramics: The microstructural evolution in titanium-doped chromia polycrystals as a function of sintering conditions .....	W. E. Lee <i>et al.</i>	<b>6675</b>
	Direct measurement of oxygen in lead-based ceramics using the $\zeta$ -factor method in an analytical electron microscope.....	S. P. McBride <i>et al.</i>	<b>6723</b>
	The use of neutron scattering in the study of ceramics .....	E. P. Gorzkowski <i>et al.</i>	<b>6735</b>
	Failure of an Al <sub>2</sub> O <sub>3</sub> ceramic under cyclic sphere contact loading.....	S. M. Bennington	<b>6757</b>
		T. Fett <i>et al.</i>	<b>6817</b>
<b>Characterization methods</b>	Direct measurement of oxygen in lead-based ceramics using the $\zeta$ -factor method in an analytical electron microscope.....	E. P. Gorzkowski <i>et al.</i>	<b>6735</b>
	The use of neutron scattering in the study of ceramics .....	S. M. Bennington	<b>6757</b>
	TOF-SIMS study of bone mineralization on alkali-treated Ti alloy.....	X. Lu <i>et al.</i>	<b>6809</b>
	Characterization and synthesis of maleic anhydride-styrene-vinyl acetate terpolymer ester derivatives .....	A. Boztug <i>et al.</i>	<b>6843</b>
<b>Chemical vapour deposition</b>	Effect of <i>in-situ</i> cleaning temperature on the structural quality of homoepitaxial film on Si substrate .....	H. W. Kim	<b>6861</b>
<b>Coatings</b>	Scanning electron acoustic microscopy (SEAM): A technique for the detection of contact-induced surface & sub-surface cracks.....	T. F. Page <i>et al.</i>	<b>6791</b>
<b>Composite materials</b>	Effect of porosity and reinforcement content on the electrical conductivity of spray formed 2014-Al alloy + SiC <sub>p</sub> composites .....	V. C. Srivastava <i>et al.</i>	<b>6821</b>
	Morphology and non-isothermal crystallization of <i>in-situ</i> microfibrillar poly(ethylene terephthalate)/polyethylene blend obtained via rod die extrusion and hot stretch .....	H.-Q. Wan <i>et al.</i>	<b>6839</b>
<b>Crystal growth</b>	Effect of <i>in-situ</i> cleaning temperature on the structural quality of homoepitaxial film on Si substrate .....	H. W. Kim	<b>6861</b>
<b>Electrical properties</b>	'Universal' curve of ionic conductivities in glasses .....	A. Doi	<b>6827</b>
<b>Electrochemistry</b>	<i>In situ</i> preparation of Co phthalocyanine on a porous silica gel surface and the study of the electrochemical oxidation of oxalic acid.....	M. Toledo <i>et al.</i>	<b>6851</b>
<b>Electron beam techniques</b>	Analytical transmission electron microscopy and surface spectroscopy of ceramics: The microstructural evolution in titanium-doped chromia polycrystals as a function of sintering conditions .....	S. P. McBride <i>et al.</i>	<b>6723</b>
	Scanning electron acoustic microscopy (SEAM): A technique for the detection of contact-induced surface & sub-surface cracks.....	T. F. Page <i>et al.</i>	<b>6791</b>
<b>Fatigue</b>	Failure of an Al <sub>2</sub> O <sub>3</sub> ceramic under cyclic sphere contact loading.....	T. Fett <i>et al.</i>	<b>6817</b>
<b>Functionally graded materials</b>	Morphology and non-isothermal crystallization of <i>in-situ</i> microfibrillar poly(ethylene terephthalate)/polyethylene blend obtained via rod die extrusion and hot stretch .....	H.-Q. Wan <i>et al.</i>	<b>6839</b>
<b>Glasses</b>	'Universal' curve of ionic conductivities in glasses .....	A. Doi	<b>6827</b>
<b>Magnetic materials</b>	Synthesis of Ba-ferrite microspheres doped with Sr for thermoseeds in hyperthermia .....	D.-H. Kim <i>et al.</i>	<b>6847</b>
<b>Mechanical properties</b>	ESP4 and TSP4, a comparison of spray formed with powdermetallurgically produced cobalt free high-speed steel of type 6W-5Mo-4V-4Cr.....	I. C. Ernst <i>et al.</i>	<b>6831</b>
	Properties of cold-work tool steel X155CrVMo12-1 produced via spray forming and conventional ingot casting .....	I. C. Ernst <i>et al.</i>	<b>6835</b>
	Characterization and synthesis of maleic anhydride-styrene-vinyl acetate terpolymer ester derivatives .....	A. Boztug <i>et al.</i>	<b>6843</b>
	Effects of melt temperature on mechanical properties and fracture structure of commercial purity aluminum purified with salt-based flux .....	R. Wu <i>et al.</i>	<b>6867</b>

(Continued)

---

<b>Metals and alloys</b>	Effects of melt temperature on mechanical properties and fracture structure of commercial purity aluminum purified with salt-based flux.....R. Wu <i>et al.</i>	<b>6867</b>
<b>Microanalysis</b>	Direct measurement of oxygen in lead-based ceramics using the $\zeta$ -factor method in an analytical electron microscope.....E. P. Gorzkowski <i>et al.</i>	<b>6735</b>
<b>Microstructure</b>	Refractories: Controlled microstructure composites for extreme environments.....W. E. Lee <i>et al.</i>	<b>6675</b>
	Analytical transmission electron microscopy and surface spectroscopy of ceramics: The microstructural evolution in titanium-doped chromia polycrystals as a function of sintering conditions .....S. P. McBride <i>et al.</i>	<b>6723</b>
	Residual stresses in Inconel 718 electron beam welds.....S. Biswas <i>et al.</i>	<b>6813</b>
	Properties of cold-work tool steel X155CrVMo12-1 produced via spray forming and conventional ingot casting .....I. C. Ernst <i>et al.</i>	<b>6835</b>
	Effects of melt temperature on mechanical properties and fracture structure of commercial purity aluminum purified with salt-based flux.....R. Wu <i>et al.</i>	<b>6867</b>
<b>Modelling</b>	Effect of porosity and reinforcement content on the electrical conductivity of spray formed 2014-Al alloy + SiC <sub>p</sub> composites .....V. C. Srivastava <i>et al.</i>	<b>6821</b>
<b>Polymers</b>	Effect of porosity and reinforcement content on the electrical conductivity of spray formed 2014-Al alloy + SiC <sub>p</sub> composites .....V. C. Srivastava <i>et al.</i>	<b>6821</b>
	Characterization and synthesis of maleic anhydride-styrene-vinyl acetate terpolymer ester derivatives .....A. Boztuğ <i>et al.</i>	<b>6843</b>
<b>Powder technology</b>	ESP4 and TSP4, a comparison of spray formed with powdermetallurgically produced cobalt free high-speed steel of type 6W-5Mo-4V-4Cr .....I. C. Ernst <i>et al.</i>	<b>6831</b>
	Properties of cold-work tool steel X155CrVMo12-1 produced via spray forming and conventional ingot casting .....I. C. Ernst <i>et al.</i>	<b>6835</b>
<b>Sintering</b>	Analytical transmission electron microscopy and surface spectroscopy of ceramics: The microstructural evolution in titanium-doped chromia polycrystals as a function of sintering conditions .....S. P. McBride <i>et al.</i>	<b>6723</b>
<b>Sol-gel preparation</b>	Synthesis of Ba-ferrite microspheres doped with Sr for thermoseeds in hyperthermia .....D.-H. Kim <i>et al.</i>	<b>6847</b>
<b>Solidification</b>	Residual stresses in Inconel 718 electron beam welds.....S. Biswas <i>et al.</i>	<b>6813</b>
<b>Surfaces</b>	Effect of <i>in-situ</i> cleaning temperature on the structural quality of homoepitaxial film on Si substrate .....H. W. Kim	<b>6861</b>
<b>Viscosity</b>	Characterization and synthesis of maleic anhydride-styrene-vinyl acetate terpolymer ester derivatives .....A. Boztuğ <i>et al.</i>	<b>6843</b>
<b>Wear</b>	ESP4 and TSP4, a comparison of spray formed with powdermetallurgically produced cobalt free high-speed steel of type 6W-5Mo-4V-4Cr .....I. C. Ernst <i>et al.</i>	<b>6831</b>
<b>X-ray techniques</b>	Residual stresses in Inconel 718 electron beam welds.....S. Biswas <i>et al.</i>	<b>6813</b>