Nuclear applications

Structural applications

PTC devices

Refractories

Soft magnets

Substrates

Varistors

Wear parts

**Thermistors** 

Sensors

## Keywords for Journal of the European Ceramic Society

Authors should select a maximum of five keywords. Each keyword should be accompanied by the capital letter denoting the category from which the keyword has been selected. If authors wish they may nominate one keyword which is not not included in the list below. The list of up to five keywords should appear on the title page of each paper submitted for consideration following the abstract.

A. Processing	C. Properties	MgO
, and the second	•	Mullite
Calcination	Chemical properties	Niobates
Drying	Colour	Nitrides
Extrusion	Corrosion	Oxide superconductors
Films	Creep	Perovskites
Finishing	Dielectric properties	PLZT
Firing	Diffusion	PZT
Grain growth	Electrical properties	Porcelain
Hot isostatic pressing	Electrical conductivity	RBAO
Hot pressing	Fatigue	$Si_3N_4$
Implantation	Ferroelectric properties	Sialon
Injection moulding	Fracture	SiC
Joining	Hardness	Silicate
Microwave processing		Silicides
Milling	Impedance Ionic conductivity	SiO <sub>2</sub>
Mixing	Lifetime	Spinels
e e e e e e e e e e e e e e e e e e e		Tantalates
Powders: solid state reaction	Magnetic properties	TiO <sub>2</sub>
Powders: gas phase reaction	Mechanical properties	Traditional ceramics
Powders: chemical preparation	Optical properties	Transition metal oxides
Precursors: organic	Piezoelectric properties	$UO_2$
Pressing	Plasticity	$Y_2O_3$
Shaping	Strength	ZnO
Sintering	Superconductivity	$ZrO_2$
Slip casting	Thermal conductivity	
Sol-gel processes	Thermal expansion	
Suspensions	Thermal properties	
Tape casting	Thermal shock resistance	E. Applications
	Toughness and toughening	2. Applications
B. Structure and Microstructure	Wear resistance	Actuators
b. Structure and Microstructure		Armour
Composites		Batteries
Defects	D. Compositions	Biomedical applications
Electron microscopy	D. Compositions	Capacitors
Failure analysis	$Al_2O_3$	Cutting tools
Fibres	$Al_2O_3$ $Al_2TiO_5$	Engine components
Grain size	Alkali oxides	Fuel cells
	Alkaline earth oxides	
Grain boundaries		Functional applications
Impurities	Apatite	Hard magnets
Inclusions	$\beta$ -Al <sub>2</sub> O <sub>3</sub>	Insulators
Interfaces	BaTiO <sub>3</sub> and titanates	Lamp envelopes
Microstructure-final	BeO	Membranes

**Borides** 

Carbon

 $CeO_2$ 

Clays

Dimox

**Ferrites** 

Halides

Glass ceramics

Glass

Carbides

Microstructure-prefiring

Non-destructive evaluation

Nanocomposites

**Platelets** 

Porosity

Surfaces

Whiskers

Spectroscopy

X-ray methods

Optical microscopy

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