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
		Mullite
Calcination	Chemical properties	Niobates Nitrides

Drying Colour Oxide superconductors

Extrusion Corrosion Perovskites **Films** Creep **PLZT** Dielectric properties Finishing **PZT** Firing Diffusion Porcelain Grain growth Electrical properties **RBAO** Hot isostatic pressing Electrical conductivity Si₃N₄ Fatigue Hot pressing Sialon Ferroelectric properties Implantation SiC Injection moulding Fracture Silicate Hardness

Joining Silicides Microwave processing Impedance SiO₂ Ionic conductivity Milling Spinels Lifetime Mixing **Tantalates** Powders: solid state reaction Magnetic properties TiO₂ Powders: gas phase reaction Mechanical properties

Powders: gas phase reaction Mechanical properties Traditional ceramics

Optical properties Transition metal oxides

 $\begin{array}{cccc} \text{Precursors: organic} & \text{Piezoelectric properties} & & \text{UO}_2 \\ \text{Pressing} & \text{Plasticity} & & \text{Y}_2\text{O}_3 \\ \text{Shaping} & \text{Strength} & & \text{ZnO} \\ \text{Sintering} & & \text{Superconductivity} & & \text{ZrO}_2 \\ \end{array}$

Slip casting
Slip casting
Thermal conductivity
Sol-gel processes
Tape casting
Thermal expansion
Thermal properties
Tape casting
Thermal shock resistance

Toughness and toughening

Wear resistance

E. Applications

B. Structure and Microstructure Wear resistance Actuators Armour

Composites Batteries

Defects D. Compositions Biomedical applications
Electron microscopy Capacitors

Failure analysis Al_2O_3 Cutting tools Fibres Al_2TiO_5 Engine components Grain size Alkali oxides Fuel cells

Grain boundaries Alkaline earth oxides Functional applications

ImpuritiesApatiteHard magnetsInclusions β -Al $_2$ O $_3$ InsulatorsInterfacesBaTiO $_3$ and titanatesLamp envelopesMicrostructure-finalBeOMembranes

Microstructure-prefiringBoridesNuclear applicationsNanocompositesCarbidesPTC devicesNon-destructive evaluationCarbonRefractoriesOptical microscopyCeO2SensorsPlateletsClaysSoft magnets

Porosity Dimox Structural applications

SpectroscopyFerritesSubstratesSurfacesGlassThermistorsWhiskersGlass ceramicsVaristorsX-ray methodsHalidesWear parts