## 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 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 Calcination Chemical properties Drying Colour Extrusion Corrosion Films Creep Finishing **Dielectric** properties Firing Diffusion Grain growth Electrical properties Hot isostatic pressing Electrical conductivity Hot pressing Fatigue Implantation Ferroelectric properties Injection moulding Fracture Joining Hardness Microwave processing Impedance Milling Ionic conductivity Mixing Lifetime Powders: solid state reaction Magnetic properties Powders: gas phase reaction Mechanical properties Powders: chemical preparation Optical properties Precursors: organic Piezoelectric properties Pressing Plasticity Shaping Strength Sintering Superconductivity Slip casting Thermal conductivity Sol-gel processes Thermal expansion Suspensions Thermal properties Tape casting Thermal shock resistance Toughness and toughening Wear resistance **B.** Structure and Microstructure Composites Defects **D.** Compositions Electron microscopy Failure analysis Al<sub>2</sub>O<sub>3</sub> Fibres Al<sub>2</sub>TiO<sub>5</sub> Grain size Alkali oxides Grain boundaries Alkaline earth oxides Impurities Apatite Inclusions $\beta$ -Al<sub>2</sub>O<sub>3</sub> Interfaces BaTiO<sub>3</sub> and titanates Microstructure-final **BeO** Microstructure-prefiring **Borides** Nanocomposites Carbides Non-destructive evaluation Carbon Optical microscopy $CeO_2$ Platelets Clays Porosity Dimox Spectroscopy Ferrites

Glass

Halides

Glass ceramics

Surfaces

Whiskers

X-ray methods

Mullite Niobates Nitrides Oxide superconductors Perovskites PLZT PZT Porcelain **RBAO**  $Si_3N_4$ Sialon SiC Silicate Silicides SiO<sub>2</sub> Spinels Tantalates TiO, Traditional ceramics Transition metal oxides UO<sub>2</sub>  $Y_2O_3$ ZnO ZrO,

MgO

## E. Applications

Actuators Armour **Batteries Biomedical** applications Capacitors Cutting tools Engine components Fuel cells Functional applications Hard magnets Insulators Lamp envelopes Membranes Nuclear applications PTC devices Refractories Sensors Soft magnets Structural applications Substrates Thermistors Varistors Wear parts

C. Properties