

Keywords for *Ceramics International*

Authors should select a maximum of four keywords from this list. Each keyword should be accompanied by the capital letter denoting the category from which the keyword has been selected. Authors may also choose one keyword not appearing in this list.

A. Processing

Calcination
 Drying
 Extrusion
 Films
 Finishing
 Firing
 Grain growth
 Hot isostatic pressing
 Hot pressing
 Implantation
 Injection moulding
 Joining
 Microwave processing
 Milling
 Mixing
 Powders: solid state reaction
 Powders: gas phase reaction
 Powders: chemical preparation
 Precursors: organic
 Pressing
 Shaping
 Sintering
 Slip casting
 Sol-gel processes
 Suspensions
 Tape casting

B. Structure and Microstructure

Composites
 Defects
 Electron microscopy
 Failure analysis
 Fibres
 Grain size
 Grain boundaries
 Impurities
 Inclusions
 Interfaces
 Microstructure-final
 Microstructure-prefiring
 Nanocomposites
 Non-destructive evaluation
 Optical microscopy
 Platelets
 Porosity
 Spectroscopy
 Surfaces
 Whiskers
 X-ray methods

C. Properties

Chemical properties
 Colour
 Corrosion
 Creep
 Dielectric properties
 Diffusion
 Electrical properties
 Electrical conductivity
 Fatigue
 Ferroelectric properties
 Fracture
 Friction
 Hardness
 Impedance
 Ionic conductivity
 Lifetime
 Magnetic properties
 Mechanical properties
 Optical properties
 Piezoelectric properties
 Plasticity
 Strength
 Superconductivity
 Thermal conductivity
 Thermal expansion
 Thermal properties
 Thermal shock resistance
 Toughness and toughening
 Wear resistance

D. Compositions

Al₂O₃
 Al₂TiO₅
 Alkali oxides
 Alkaline earth oxides
 Apatite
 β-Al₂O₃
 BaTiO₃ and titanates
 BeO
 Borides
 Carbides
 Carbon
 Cordierite
 CeO₂
 Clays
 Dimox
 Ferrites
 Glass
 Glass ceramics
 Halides
 MgO

Mullite
 Niobates
 Nitrides
 Oxide superconductors
 Perovskites
 PLZT
 PZT
 Porcelain
 RBAO
 Si₃N₄
 Sialon
 SiC
 Silicate
 Silicides
 SiO₂
 Spinel
 Tantalates
 TiO₂
 Traditional ceramics
 Transition metal oxides
 UO₂
 Y₂O₃
 ZnO
 ZrO₂

E. Applications

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