

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: chemical preparation
Powders: gas phase reaction
Powders: solid state reaction
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 boundaries
Grain size
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 conductivity
Electrical properties
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

Al_2O_3
 $\beta-Al_2O_3$
 Al_2TiO_5
Alkali oxides
Alkaline earth oxides
Apatite
 $BaTiO_3$ and titanates
BeO
Borides
CeO₂
Carbides
Carbon
Clays
Cordierite
Dimox
Ferrites
Glass
Glass ceramics
Halides
MgO

Mullite
Niobates
Nitrides
Oxide superconductors
PLZT
PZT
Perovskites
Porcelain
RBAO
SiC
 Si_3N_4
SiO₂
Sialon
Silicate
Silicides
Spinel
TiO₂
Tantalates
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