

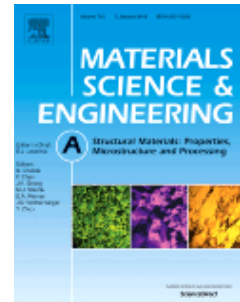


MATERIALS SCIENCE AND ENGINEERING: A

Structural Materials: Properties, Microstructure and Processing

AUTHOR INFORMATION PACK

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The keywords for *Materials Science and Engineering A* are separated into four categories:

- A. METHOD OF INVESTIGATION
- B. MATERIAL OR CONSTITUTING PHASE(S)
- C. PROCESSING METHOD
- D. INVESTIGATED PHENOMENON

meth **A. METHOD OF INVESTIGATION**

characterization
electron microscopy
finite element analysis
first principles
fracture mechanics/fracture behaviour/fatigue
hardness
micromechanics
modelling/simulations
phase diagrams
simulations
stress/strain measurements
thermal analysis
X-ray analysis
other

mat **B. MATERIAL OR CONSTITUTING PHASE(S)**

aluminium alloys
amorphous materials
biomaterials
ceramics
composites
copper alloys
glass
intermetallics
iron alloys
magnesium alloys
nanocrystalline materials
nickel alloys
other materials

other metallic alloys
shape memory alloys
titanium alloys

proc **C. PROCESSING METHOD**

casting methods
coatings
laser methods
plasticity methods
powder methods
surface phenomena

phen **D. INVESTIGATED PHENOMENON**

grains and interfaces
phase transformation
plasticity

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