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

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

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

C. **PROCESSING METHOD**
- casting methods
- coatings
- laser methods
- plasticity methods
- powder methods
- surface phenomena

D. **INVESTIGATED PHENOMENON**
D. INVESTIGATED PHENOMENON
grains and interfaces
phase transformation
plasticity