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Keywords

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
<table>
<thead>
<tr>
<th>electron microscopy</th>
<th>finite element analysis</th>
<th>first principles</th>
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<tr>
<td>fracture mechanics/fracture behaviour/fatigue</td>
<td>hardness</td>
<td>micromechanics</td>
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<tr>
<td>modelling/simulations</td>
<td>phase diagrams</td>
<td>simulations</td>
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<tr>
<td>stress/strain measurements</td>
<td>thermal analysis</td>
<td>X-ray analysis</td>
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<tr>
<td>other</td>
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**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**
- grains and interfaces
- phase transformation
- plasticity

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