

## Keywords index

Alumina ceramics	202	Industrial management and organisation	159
Alumina matrix composites	202	Industrial waste	159
Aluminium casting	250	<b>Laser treatment</b>	260
Analysis and modelling	233, 242	<b>Magnetic properties</b>	218
<b>Bio-hydrometallurgical methods</b>	159	Manufacturing and processing	147, 233, 250, 260
Blue graphite	227	Materials	168-202, 218
Boundary element method	242	Mechanical properties	194, 211
<b>CAD/CAM</b>	233	Metallic alloy	168, 194, 250
CAQ	233	Metallic materials	178
Castor oil	211	Microstructure	194
Cavitand	227	Microstructure formation	178
Cellular automata	147	Multifunctional materials	218
Cleaner production	233	<b>Nanoporous carbon</b>	227
Computational mechanics	242	Nb microalloying	168
Crack	242	<b>Pearlite dissolution finish temperature</b>	185
Critical temperatures in steel	185	Phase transformations	178, 185
Crystal plasticity finite element simulation	147	Polymeric Graded Materials	218
<b>ECAP method</b>	194	Polyurethanes	211
Effective properties	242	Porous materials	250
Electrical properties	218	Properties	211-227, 260
Engineering polymers	211	PVD and CVD coatings	260
Environmental management	159	Pyrometallurgical methods	159
Equal channel angular processing	147	<b>Retained austenite</b>	168
<b>Faradaic process</b>	227	<b>Simulation purpose</b>	250
Fibre	242	Skeleton casting	250
Fracture toughness	202	Structure	260
<b>Hardening</b>	178	<b>Thermomechanical processing</b>	168
Heating dilatogram	185	Thin & thick coatings	260
Heavy metals	159	Tip test	147
Hybrid process	147	TRIP steel	168
Hydrometallurgical methods	159	<b>Vickers hardness</b>	202
<b>Indentation fracture toughness</b>	202	<b>X-ray quantitative analysis</b>	168