

Materials

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This database contains references with abstracts, keywords and descriptors on materials. It provides information from German and international scientific and practical technical literature like journals, conference proceedings, reports, dissertations, as well as non-conventional literature.

The abstracts are in German and/or English. The search may be conducted with German or English terms.

Materials

- Steel and iron alloys
- Non-ferrous metals, special metals, alloys, amorphous metals
- Metallic foams
- Non-metallic inorganic materials (ceramic, glass, semiconductors)
- Construction materials, natural and artificial minerals and stone
- Magnetic and piezoelectric materials
- Polymers
- Bio-degradable materials, bio-compatible materials, absorbable materials, biomaterials
- Derived timber products
- Composite materials (fiber reinforced materials, particle reinforced materials, coatings)
- Layers / coatings
- Aerogel / xerogel
- Shape-memory materials

Subjects

- Materials production, foundry technology , metallurgy
- Materials development
- Materials science, materials physics
- Computer simulation / computer modelling
- Properties and applications
- Destructive and non destructive testing
- Surface finishing
- Joining technologies, brazing technologies
- Rapid Prototyping



- Sol-Gel-Method
- Corrosion, rheology, tribology
- Heat treatment, surface finishing
- Analysing and measurement methods, standardization
- Materials winning management

File Data

Number of records: 2.320.375

Years covered: from 1979

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