DESCRIPTION

Materials Letters

An interdisciplinary journal devoted to rapid communications on the science, applications, and processing of materials.

Materials Letters has an open access mirror journal Materials Letters: X, sharing the same aims and scope, editorial team, submission system and rigorous peer review.

Materials Letters is dedicated to publishing novel, cutting edge reports of broad interest to the materials community. The journal provides a forum for materials scientists and engineers, physicists, and chemists to rapidly communicate on the most important topics in the field of materials.

Contributions include, but are not limited to, a variety of topics such as:

Materials - Metals and alloys, amorphous solids, ceramics, composites, polymers, semiconductors, biomaterials and biological materials, advanced materials, metamaterials, high-entropy alloys.

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Adhesion
Amorphous materials
Atom probe
Atomic force microscopy
Biomaterials
Biomimetic
Carbon materials
Carbon nanotubes
Nanoparticles
Cast
Ceramics
Bioceramics
Functional
Structural
Colloidal processing
Composite materials
Ceramic composites
Metallic composites
Polymeric composites
Corrosion
Creep
Crystal growth
Crystal structure
Defects
Deformation and fracture
Deposition
Chemical vapour deposition
Electrodeposition
Physical vapour deposition
Sputtering
Dielectrics
Diffusion
Elastic properties
Electrical properties
Electroceramics
Electron microscopy
Electronic materials
Contacts
Organic
Semiconductors
Energy storage and conversion
Epitaxial growth
Fatigue
Ferroelectrics
Fibre technology
Fullerenes
Grain boundaries
Grain boundary junctions
Indentation and hardness
Interfaces
Intermetallic alloys and compounds
Ion beam technology
Laminates
Langmuir-Blodgett films
Laser processing
Luminescence
Magnetic materials
Metal forming and shaping
Metallurgy
Metals and alloys
Multilayer structure
Microstructure
Nanocomposites
Nanocrystalline materials
Functional
Structural
Neutron diffraction and scattering
Nuclear materials
Optical materials and properties
Oxidation
Particles, nanosize
Phase diagrams
Phase transformation
Phosphors
Piezoelectric materials
Polymers
Powder technology
Porous materials
Psitron annihilation
Radiation damage
Recrystallization
Scanning tunnelling microscopy
Segregation
Sensors
Shape memory materials
Simulation and modelling
Sintering
Solar energy materials
Sol-gel preparation
Solidification
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Raman
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Thermal properties
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Thin films
Varistors
Viscoelasticity
Wear and tribology
Welding
X-ray techniques

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