



MATERIALS LETTERS

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

AUTHOR INFORMATION PACK

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DESCRIPTION

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**.

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Contributions include a variety of topics such as:

- **Materials** - Metals and alloys, amorphous solids, ceramics, composites, nanocrystals, polymers, semiconductors.
- **Applications** - Structural, opto-electronic, magnetic, medical, MEMS, sensors, smart, biomaterials.
- **Characterization** - Analytical, microscopy, scanning probes, nanoscopic, optical, electrical, acoustic, spectroscopic, diffraction.
- **Novel Materials** - Micro and nanostructures (nanowires, nanotubes, nanoparticles), nanocomposites, thin films, superlattices, quantum dots.
- **Processing** - Thin film processing, sol-gel processing, mechanical processing, assembly, and nanocrystalline processing leading to unique materials.
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[3] W. Strunk Jr., E.B. White, *The Elements of Style*, fourth ed., Longman, New York, 2000.

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Keyword List

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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
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Nanocrystalline materials
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Structural
Neutron diffraction and scattering
Nuclear materials
Optical materials and properties
Oxidation
Particles, nanosize
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Phase transformation
Phosphors
Piezoelectric materials
Polymers
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