



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

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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 in materials. We are primarily interested in those contributions which bring new insights, and papers will be selected on the basis of the importance of the new knowledge they provide.

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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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
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Nuclear materials
Optical materials and properties
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Phase transformation
Phosphors
Piezoelectric materials
Polymers
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