MATERIALS LETTERS: X

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DESCRIPTION

Materials Letters: X is the open access mirror journal of Materials Letters.

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- **Applications** - Structural, opto-electronic, magnetic, medical, MEMS, sensors, smart
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- **Novel Materials** - Micro and nanostructures (nanowires, nanotubes, nanoparticles), nanocomposites, thin films, superlattices, quantum dots.
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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.
• **Properties** - Mechanical, magnetic, optical, electrical, ferroelectric, thermal, interfacial, transport, thermodynamic.
• **Synthesis** - Quenching, solid state, solidification, solution synthesis, vapor deposition, and high pressure, explosive processes leading to unique materials.

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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
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Energy storage and conversion
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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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Laser processing
Luminescence
Magnetic materials
Metal forming and shaping
Metallurgy
Metals and alloys
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Optical materials and properties
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Particles, nanosize
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Phase transformation
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