



The Modifications of Metallic and Inorganic Materials by Using Energetic Ion/Electron Beams

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Message from the Guest Editor

The Special issue of *Quantum Beam Science* will focus on all kinds of experimental and theoretical investigation and computer simulation related to the modification of various physical properties (mechanical, electronic, magnetic, optical and so on) of metallic and inorganic materials. The developments of new accelerator and ion/electron beam systems for the materials modification are included in the scope of this Special Issue. Material modifications using exotic ion/electron beams (swift heavy ions, cluster beam, micro beam, radio isotope(RI) beam, and so on) are also welcome. This Special Issue will collect original and review papers using energetic ion/electron beams in basic and applied research for new and novel metallic and inorganic materials modifications.





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Message from the Editor-in-Chief

Quantum Beam Science focuses on application of quantum beams for the study and characterization of materials in their widest sense, and developments of quantum beam sources, instrumentation and facilities. Quantum beams include synchrotron radiation, neutron beams, electrons, lasers, muons, positrons, ions. The journal covers disciplines including, solid state physics, chemistry, crystallography, materials science, biology, geology, earth- and planetary materials, and engineering. Articles presenting multiple quantum beams for complementary studies are welcome.

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