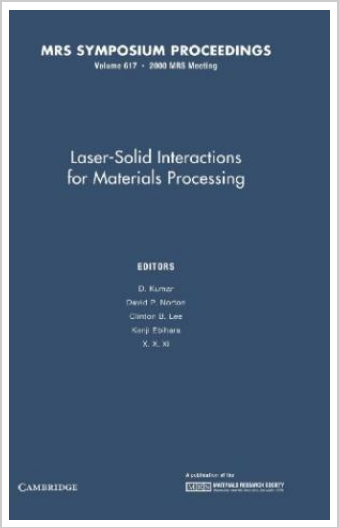

Laser-Solid Interactions for Materials Processing: Volume 617 (Hardback)

By -

Materials Research Society, United States, 2001. Hardback. Condition: New. Language: English . Brand New Book. The unique feature of laser beams to deliver intense light at a specific photon energy makes lasers useful and enabling in the processing of advanced materials. The availability of high-intensity laser sources over a wide spectral and temporal range has inspired advances in both the fundamental understanding of laser-solid interactions and the application of lasers in materials processing and characterization. This progress has resulted in a growing acceptance of lasers in material and device synthesis. For instance, pulsed-laser deposition has emerged as an important process for growing high-quality metal-oxide thin films, including high-Tc superconductors, dielectric materials, magnetoresistive materials and semiconducting oxides. This book, first published in 2001, brings together materials science and technology communities to discuss recent progress of laser ablation both in fundamental studies and applications. Topics include: fundamentals of laser desorption and ablation; laser-driven nanoparticle formation; laser direct writing; lasers in micromachining and surface modification; laser-based deposition of oxides and pulsed-laser deposition.

Reviews

A top quality ebook and the typeface used was interesting to learn. This can be for all who statte that there had not been a well worth reading through. I am just pleased to tell you that this is basically the very best ebook i actually have go through in my individual life and can be he finest book for at any time.
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This publication will not be straightforward to begin on studying but quite fun to see. It really is basic but shocks in the fifty percent of the ebook. I realized this ebook from my dad and i advised this pdf to learn.
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