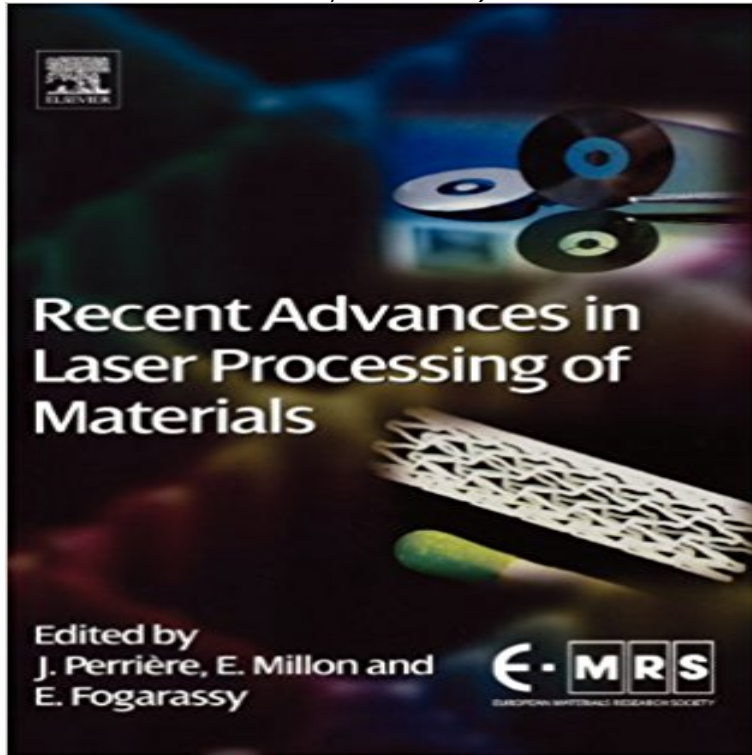


Recent Advances in Laser Processing of Materials (European Materials Research Society Series)



Laser materials interaction and processing is an established and growing field within the materials science community. By taking a detailed look at the fundamentals of laser matter interaction, this book charts the recent progress of laser materials interaction and processing in various emerging materials science domains. With special emphasis placed on nanostructures and future developments, this book provides an interdisciplinary support for basic and applied photo-assisted processing research. Coverage includes: - laser assisted synthesis of new materials (nanoparticles, nanotubes, active molecules, new phases...) -laser assisted surface transformation (nanostructuring, lithography, etching...) -laser assisted bulk material transformation (doping, marking, crystallisation...) - laser assisted synthesis of new materials (nanoparticles, nanotubes, active molecules, new phases...) -laser assisted surface transformation (nanostructuring, lithography, etching...) -laser assisted bulk material transformation (doping, marking, crystallisation...)

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