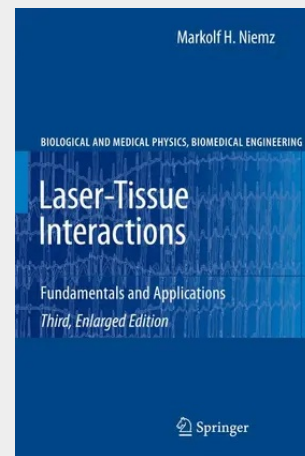


Laser-Tissue Interactions

Fundamentals and Applications

Medical practitioners, scientists and graduate students alike will find this exhaustive survey a vital learning tool. It provides a thorough description of the fundamentals and applications in the field of laser-tissue interactions. Basic concepts such as the optical and thermal properties of tissue, the various types of tissue ablation, and optical breakdown and its related effects are treated in detail. The author pays special attention to mathematical tools (Monte Carlo simulations, the Kubelka-Munk theory etc.) and approved techniques (photodynamic therapy, laser-induced interstitial thermotherapy etc.). A section on applications reviews clinically relevant methods in modern medicine using the latest references.

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64,19 €

59,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783540721918

Medium: Buch

ISBN: 978-3-540-72191-8

Verlag: Springer Berlin Heidelberg

Erscheinungstermin: 27.08.2007

Sprache(n): Englisch

Auflage: 3rd enlarged Auflage 2003. 2. printing

Serie: Biological and Medical Physics, Biomedical Engineering

Produktform: Kartoniert

Gewicht: 550 g

Seiten: 308

Format (B x H): 155 x 235 mm

