



Photon-based Nanoscience and Nanobiotechnology (Nato Science Series II:)

By -

Springer, 2006. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Preface and Acknowledgements; J.J. Dubowski and S. Tanev.- Physical and Chemical Aspects of Laser-Materials Interactions; J.T. Dickinson.- Attosecond Control of Electrons ' The Basis of Attosecond Science; A.D. Bandrauk et al.- Fundamentals of Nanobiophotonics; P.N. Prasad.- Nonlinear Optical Physics and Applications of the Plasmonic Response in Metal Nanoparticles; R.F. Haglund, Jr.- Finite-Difference Time-Domain Modeling of Light Scattering from Biological Cells Containing Gold Nanoparticles ; S. Tanev et al.- Photonic and Non-Photonic Based Nanoparticles in Cancer Imaging and Therapeutics; B.C. Wilson.- Quantum Dot Bio-Template for Rapid Detection of Pathogenic Substances; J.J.Dubowski.- Applications of Free-Electron Lasers in Biological Sciences, Medicine and Materials Science; R.F. Haglund, Jr.- Laser-Based Synthesis, Diagnostics, and Control of Single-Walled Carbon Nanotubes and Nanohoms for Composites and Biological Nanovectors; D.B. Geohegan et al.- Photophysical Processes that Activate Selective Changes in Photostructurable Glass Ceramic Material Properties; F.E. Livingston and H. Helvajian.- Molecular Design of Polymers for Laser Structuring and Thin Oxide Films by Pulsed Laser Deposition as Model System for Electrochemical Applications; T. Lippert.- Three Dimensional Micro and Nanochips Fabricated by Femtosecond Laser for Biomedical Applications; K. Sugioka et al.- Photo-Assisted Processes from Nano...

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