



Raman Microscopy: Developments and Applications

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Academic Press, 1996. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: G. Turrell, The Raman Effect. G. Turrell, M. Delhaye, and P. Dhamelincourt, Characteristics of Raman Microscopy. M. Delhaye, J. Barbillat, J. Aubard, M. Bridoux, and E. Da Silva, Instrumentation. J. Barbillat, Raman Imaging. M. Truchet, J.-C. Merlin, and G. Turrell, Raman Microscopy and Other Local-Analysis Techniques. P. Dhamelincourt and S-I. Nakashima, Applications to Materials Science. P.F. McMillan, J. Dubessy, and R. Hemley, Applications in Earth, Planetary and Environmental Sciences. M. Truchet, Biological Applications. M. Manfait and I. Nabiev, Applications in Medicine. C. Coupry and D. Brissaud, Applications in Art, Jewelry and Forensic Science. Subject Index. G. Turrell, The Raman Effect: History of the Raman Effect. Mechanim of the Raman Effect. Electromagnetic Radiation and Classical Light Scattering. Molecular Vibrations. The Scattering Tensor. Polarization in Gases and Liquids. Polarication in Crystals. Raman Bandshapes. Resonance Raman Scattering and Fluorescence. Postlog. G. Turrell, M. Delhaye, and P. Dhamelincourt, Characteristics of Raman Microscopy: Excitation Focusing. Collection Optics. Absorbing Samples. Mocroscope-Spectrometer Coupling. Confocal Raman Microscopy. The Confocal Effect. Conclusion. M. Delhaye, J. Barbillat, J. Aubard, M. Bridoux, and E. da Silva, Instrumentation: Characteristics of Laser Sources. Microscope Objectives. Spectral...



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