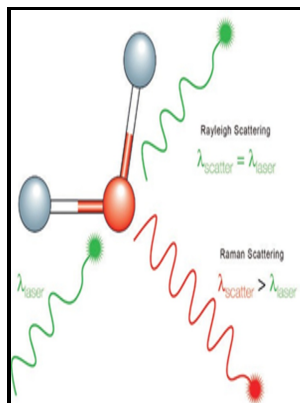


Optical spectroscopy of inorganic solids

Clarendon Press - Optical spectroscopy of liquids in and near inorganic oxides



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Notes: Includes bibliographical references (p. [627]-640)

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Optical Spectroscopy of Inorganic Solids : Brian Henderson : 9780199298624

Considerations of symmetry and the effects of lattice vibrations on the spectroscopic properties are treated in detail.

OSA

The line spectra have been assigned to transitions of the metallic component of the material under investigation, in the neutral charge state of the corresponding atom; a few ionic emissions have also been detected. It presents the theoretical basis of the subject and then illustrates the various topics with relevant experimental data. Infrared Spectra of Inorganic Compounds is a comprehensive compendium of reference infrared spectra and empirical spectra-structure correlations of inorganic compounds in the solid phase.

Optical Spectroscopy of Inorganic Solids (豆瓣)

Two indices are provided, the first containing compounds as they appear in the book in numerical sequence, and the second arranged alphabetically by anion. The majority of these compounds are powdered crystalline solids in which the crystallographic unit cell may contain several polyatomic ions or molecules. Accurate determination of trace levels of inorganic components requires precise and accurate analytical instrumentation with interference removal capacity.

Optical Spectroscopy of Inorganic Solids (豆瓣)

In the experiments, minor components contained in the naturally occurring minerals have been detected with high sensitivity. The spectra are arranged to bring together compounds containing similar anions, in order to facilitate recognition of characteristic group frequencies.

An Introduction to the Optical Spectroscopy of Inorganic Solids by Luisa Bausa, J. Garcia Solé and Daniel Jaque (2005, Trade Paperback) for sale online

They have written the book with senior undergraduates and postgraduates in mind: it is expected also to be useful to seasoned investigators from solid state physics and engineering from inorganic chemistry, and from materials and geological sciences. Bibliography Includes bibliographical references and index.

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