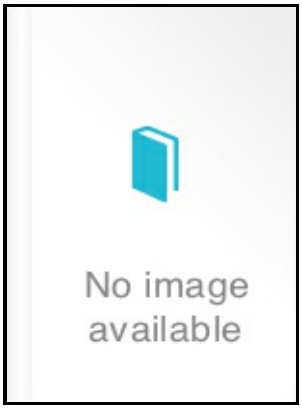
High resolution transmission electron microscopy and associated techniques. by Peter R. Buseck [and others]

Oxford University Press - High resolution transmission electron microscopy and associated techniques. by Peter R. Buseck [and others] (edition)



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High

American Mineralogist 98 5-6 :1070-1073. The Fe occupancies in 4. Complex defect in pyrite and its structure model derived from geometric phase analysis.

Transmission Electron Microscopy of Native Copper Inclusions in Illite

Such measurements could therefore be used to assess the influence of electron beam damage on vacancy counting at the atomic scale. Soil Sci Soc Am Proc 38:847—850.

In

By using nanocontainers made of graphitized carbon, it is possible to achieve pressures and temperatures up to at least 40 GPa and 1500 °C, respectively. However, it takes the form of graphical models, which are difficult to compare with real structures.

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A recent study has also shown that ultrathin nanosheets of 4C pyrrhotite can act as efficient electrocatalysts in oxygen evolution reactions because of the presence of active Fe vacancy sites of mixed valence. In summary, this book is a celebration for all scientists working in this field.

Peter Buseck

In contrast to 4C pyrrhotite, studies of other pyrrhotite phases are less conclusive.

P. R. Buseck, J. M. Cowley, L. Eyring. High-Resolution Transmission Electron Microscopy and Associated Techniques. Oxford University Press, Inc. 1992. £ 27.50. ISBN 0-19-507262-6 (pbk.) and ISBN 0-19-504275-1, Crystal Research and Technology

Its fraction is found to be significant in this sample. The intensities of pixel positions in the circular area assigned to each atomic column were then summed and divided by the measured numbers of pixels in this circular area.

P. R. Buseck, J. M. Cowley, L. Eyring. High-Resolution Transmission Electron Microscopy and Associated Techniques. Oxford University Press, Inc. 1992. £ 27.50. ISBN 0-19-507262-6 (pbk.) and ISBN 0-19-504275-1, Crystal Research and Technology

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