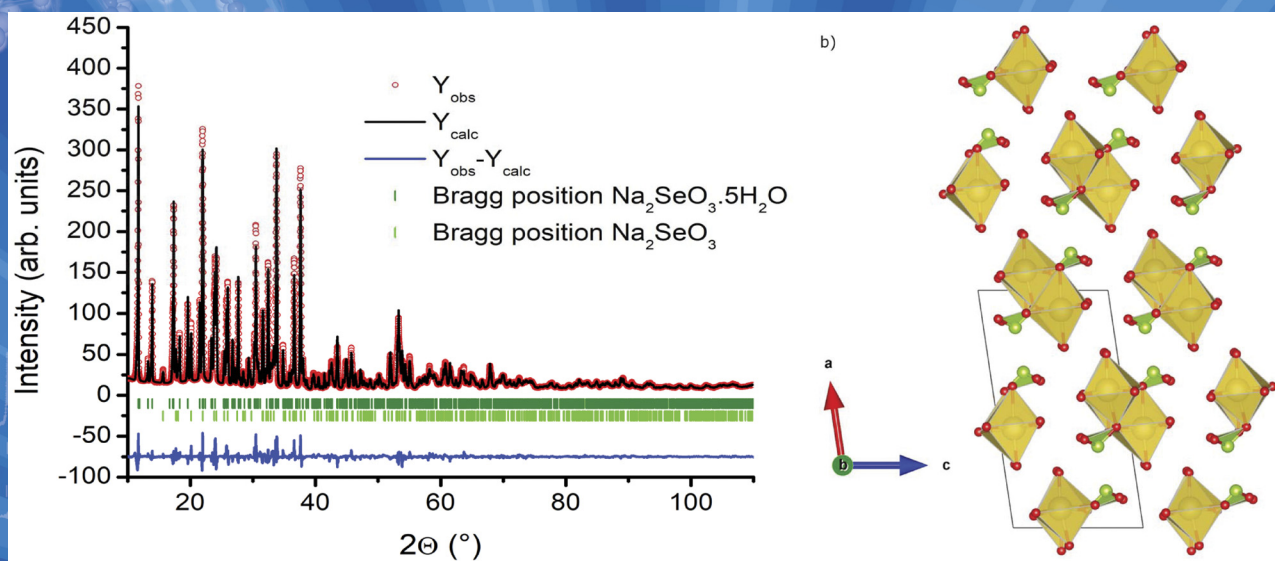


Powder Diffraction PDJ

Journal of Materials Characterization



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Aims & Scope

ICDD's quarterly, and special topical issue, international journal, *Powder Diffraction*, focuses on materials characterization employing X-ray powder diffraction and related techniques. With feature articles covering a wide range of applications, from mineral analysis to epitactic growth of thin films to advances in application software and hardware, this journal offers a wide range of practical applications. ICDD, in collaboration with the Denver X-ray Conference Organizing Committee, has increased services for the subscribers of Powder Diffraction and authors of Advances in X-ray Analysis. Beginning in 2006, ICDD offered a copy of the previous year's edition of AXA to Powder Diffraction institutional subscribers who receive both print and on-line versions. This effectively doubles the number of articles annually available to Powder Diffraction subscribers and significantly increases the circulation for the authors in Advances in X-ray Analysis.

Subject coverage includes:

- Techniques and procedures in X-ray powder diffractometry
- Advances in instrumentation
- Study of materials including organic materials, minerals, metals and thin film superconductors
- Publication of powder data on new materials

International Centre for Diffraction Data

The International Centre for Diffraction Data (ICDD®) is a non-profit scientific organization dedicated to collecting, editing, publishing, and distributing powder diffraction data for the identification of materials. The membership of the ICDD consists of worldwide representation from academe, government, and industry.

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On the Cover: The cover figure was prepared using figures from the manuscript “A New Polymorphic Form of $\text{Na}_2\text{SeO}_3 \cdot 5\text{H}_2\text{O}$: Structure Determination From X-ray Laboratory Powder Diffraction” by Gwilherm Nénert of Malvern Panalytical B. V. The β -sodium selenate pentahydrate is a new polymorph differing from the alpha sodium selenate pentahydrate and related structures. This pentahydrate polymorph was found to readily loses its water of crystallization and thus the powder pattern is that of a mixture of the pentahydrate and that of Na_2SeO_3 .