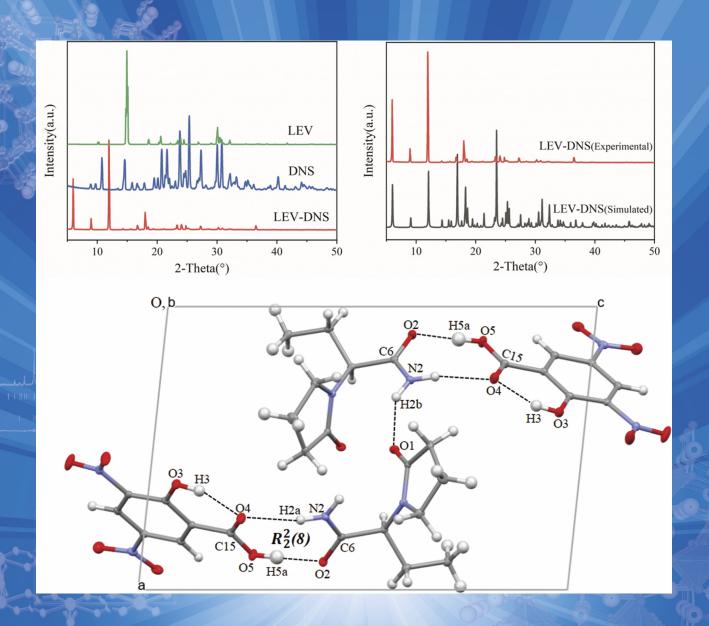
Powder Diffraction PDJ Journal of Materials Characterization



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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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TECHNICAL ARTICLE

Qi Li, Yi Huang, Yanfang
Lou, Munan Hao and
Shifeng Jin

Experimental electron density distribution of KZnB₃O₆ constructed by maximum-entropy method doi:10.1017/S0885715623000428

NEW DIFFRACTION DATA

Paweł Adamski, Aleksander Albrecht and Dariusz Moszyński	Synthesis and crystal structure of layered molybdate NH ₄ Co ₂ OH(MoO ₄) ₂ ·H ₂ O doi:10.1017/S0885715623000350	240
Lingling Shi, Zhengguo Chen, Hany Kafafy, Zhaoxia Zhang, Guocheng Zhu, Juming Yao and Guoqing Zhang	Synthesis, powder diffraction pattern, crystal structure determination of the pharmaceutical co-crystal of levetiracetam and 3,5-dinitrosalicylic acid doi:10.1017/S0885715623000374	244
Klaudia Nowakowska and Wiesław Łasocha	X-ray powder diffraction data for three new compounds obtained as a result of CO_2 capture doi:10.1017/S0885715623000404	253

CALENDARS OF MEETINGS, SHORT COURSES AND WORKSHOPS

Gang Wang	Calendar of short courses and workshops doi:10.1017/S0885715623000386	259
Gang Wang	Calendar of Forthcoming Meetings doi:10.1017/S0885715623000362	260

INTERNATIONAL REPORT

Stephanie Jennings	72nd Annual Denver X-ray Conference Report	261
	doi:10.1017/\$0885715623000340	

On the Cover: The cover figure was prepared using figures from the manuscript "Synthesis, powder diffraction pattern, crystal structure determination of the pharmaceutical co-crystal of Levetiracetam and 3,5-dinitrosalicylic acid" by Lingling Shi, Zhejiang Sci-Tech University, Hangzhou, China and coauthors.

The upper left figures shows that the co-crystal is distinctly different from either of the constituent components. The upper right shows shows the experimental and simulated patterns of the co-crystal. The lower figure shows the derived molecular structure of the LEV-DNS co-crystal that was characterized by infrared spectroscopy, powder X-ray diffraction and single-crystal X-ray diffraction.

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