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EDITORIAL

Camden Hubbard

Select papers from the Denver X-ray Conference, additions to the Metal Organic Framework special collection, and exceptional Technical, Educational and Review papers are included in this Issue of PDJ

TECHNICAL ARTICLES


Monitoring of FES$_2$ reactions using high-temperature XRD coupled with gas chromatography


3D immersive visualization of micro-computed tomography and XRD texture datasets

Arnold C. Vermeulen, Christopher M. Kube and Nicholas Norberg

Implementation of the self-consistent Kröner–Eshelby model for the calculation of X-ray elastic constants for any crystal symmetry

F. F. Contreras-Torres

IndexCub: a ready-to-use set of routines for X-ray diffraction line profile analysis

Omar Barreda, Gregory R. Lorzing and Eric D. Bloch

Mechanochemical synthesis of two-dimensional metal-organic frameworks

D. Sornadurai, R. M. Sarguna and V. Sridharan

Variation of structural parameters in dimethylammonium manganese formate [(CH$_3$)$_2$NH$_2$]Mn(HCOO)$_3$ by substitution of transition metals (M = Zn, Co and Ni): by powder XRD method

T.G. Fawcett, S. Gates-Rector, A.M. Gindhart, M. Rost, S.N. Kabekkodu, J. R. Blanton and T. N. Blanton

Formulation analyses of high-volume prescription drugs

J. Schreiner, F. Goetz-Neunhoeffer, J. Neubauer, S. Volkmann, S. Bergold, R. Webler and D. Jansen

Advanced Rietveld refinement and SEM analysis of tobermorite in chemically diverse autoclaved aerated concrete

S. Ghosh, S. Pramanik and A. K. Mukherjee

Structure analysis of a phenylpyrazole carboxylic acid derivative crystallizing with three molecules in the asymmetric unit (Z' = 3) using X-ray powder diffraction

S. Ichikawa, Y. Sakito and T. Kurisaki

Mineral analysis of river sand around Mt. Tsukuba for provenance estimation of Atamadai type pottery (2500–1500 BC) from Hinoki site (Tochigi, Japan)

REVIEW ARTICLE

T. G. Fawcett, S. Gates-Rector, A. M. Gindhart, M. Rost, S. N. Kabekkodu, J. R. Blanton and T. N. Blanton

A practical guide to pharmaceutical analyses using X-ray powder diffraction

https://doi.org/10.1017/S0885715619000472 Published online by Cambridge University Press
CRYSTALLOGRAPHY EDUCATION ARTICLE

K. M. Ginell, C. Horn, R. B. Von Dreele and B. H. Toby

NEW DIFFRACTION DATA

Samantha C. Diulus, James A. Kaduk, Amy M. Gindhart and Thomas N. Blanton

Crystal structure of bumetanide, C_{17}H_{20}N_{2}O_{5}S

Ping-Zhan Si, Jung Tae Lim, Jihoon Park and Chul-Jin Choi

X-ray powder diffraction data for Mn_{4}C

INTERNATIONAL REPORTS

S. Jennings

2019 ICDD Spring Meeting 11–15 March – ICDD® Headquarters

C. E. M. Campos, K. F. Ulbrich, M. Leoni, N. Masciocchi, F. Bertolotti and A. Guagliardi

Report on the To.Sca.Lat.-1.0 Summer School, total scattering analysis for nanoscience in Latin America

Winnie Wong-Ng

The 2018 Materials Science & Technology Conference & Exhibition (MS&T18)

CALENDARS OF MEETINGS, SHORT COURSES AND WORKSHOPS

Gang Wang

Calendar of Forthcoming Meetings

Gang Wang

Calendar of Short Courses and Workshops
β-ceutical diffraction patterns and the results of phase identification of the raw data for all the patterns falling into two of the clusters. The top figure shows the XRD analysis of one of the formulated pharmaceutical products. The right figure indicates the API Invokana® (red) and the API Invokana® (green) and the API Invokana® (red).

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