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Press Release

The July 2018 edition of the Crystallography Times Newsletter is Now Available Online

Crystallography Times vol. 10, No. 7, focusing on single crystal X-ray diffraction, is available from Rigaku Oxford Diffraction on the company's website.

July 27, 2018 – The Woodlands, Texas. The latest edition of *Crystallography Times* from Rigaku Corporation has been published and is now available on the company's global website.

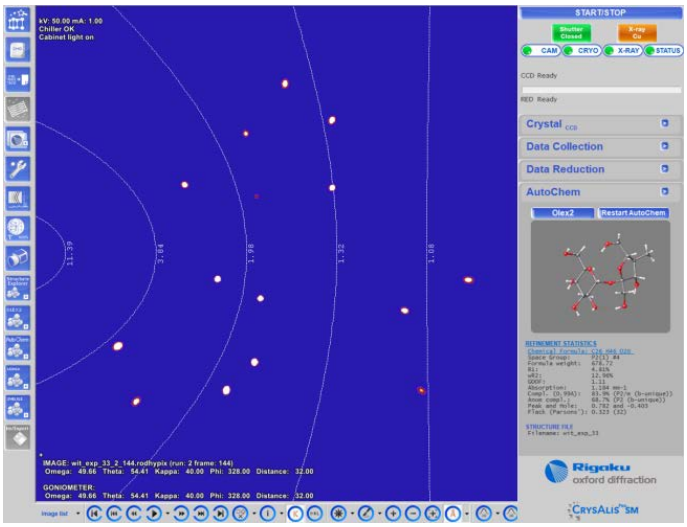
Crystallography Times is a monthly electronic newsletter serving the X-ray analysis community, published by Rigaku Oxford Diffraction (ROD). It concentrates on single crystal X-ray diffraction and presents the latest news and crystallographic research.

The "Crystallography in the News" feature brings together the latest news and developments from around the world about small molecule and protein X-ray diffraction each month. It highlights the newest research findings and advancements.

Featured news reports include articles about the creation of new virtual reality (VR) cloud-based tools by a team from the University of Bristol. The new technology could lead to new drug discoveries and boost the teaching of chemistry by combining real-time molecular simulations with VR technology.

Another news item reveals how scientists from Lancaster University and the University of Leeds have discovered that a compound found in green tea, currently being studied for its ability to reduce amyloid plaques in the brain in Alzheimer's disease, also breaks up and dissolves potentially dangerous protein plaques found in the blood vessels.

The Product Spotlight in the current issue features the latest 64 bit version of Rigaku CrysAlis^{Pro}, the user-inspired data collection and data processing software for small molecule and protein crystallography. X-ray diffractometers from Rigaku Oxford Diffraction come complete with the latest release, CrysAlis^{Pro} v.40. Designed around an easy-to-use graphical user interface, CrysAlis^{Pro} can be operated under fully automatic, semi-automatic or manual control. The software is freely available for users of Rigaku single crystal X-ray instruments and can be downloaded from the Rigaku Oxford Diffraction user forum.



Rigaku CrysAlis^{Pro} data collection and data processing software for small molecule and protein crystallography

In each issue, the "Lab in the Spotlight" section highlights a different laboratory from the global community of X-ray diffraction facilities. This month's edition highlights the Chemical and Biophysical Instrumentation Center (CBIC) X-Ray facility in the Department of Chemistry at Yale University. The center conducts characterizations by a number of X-ray techniques. The majority of data collected in the CBIC X-ray lab are diffraction images of macromolecular, small-molecule organic or inorganic single crystals. The lab is also equipped with X-ray sources that can be used for powder diffraction, small angle X-ray scattering (SAXS), and microCT scanning.

A selection of 23 recently published scientific papers, a schedule of upcoming events, book reviews, and the Video of the Month, highlighting the production and characterization of 11.4 nm silica dodecahedra, are also included. *Crystallography Times* is published monthly. Readers can subscribe to the newsletter or view the current issue online at https://www.rigaku.com/subscribe.

About Rigaku Oxford Diffraction (ROD)

ROD was formed as the global single crystal business unit of Rigaku Corporation after the acquisition of the former Oxford Diffraction organization from Agilent Technologies in 2015. ROD is a leader in the field of single crystal analysis, both in the field of chemical crystallography as well as well as macromolecular crystallography. Formed in 1951, Rigaku Corporation is a leading analytical instrumentation company based out of Tokyo, Japan.

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