Press Release

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Current edition of the Rigaku Journal features X-ray analysis news and technical articles

The Winter 2018 issue of the Rigaku Journal is available to download from the company's website.

February 23, 2018 – The Woodlands, Texas. Rigaku Corporation has published its latest edition of the Rigaku Journal, which is available for download from the company's global website.

The Rigaku Journal is a semiannual journal published by Rigaku Corporation to serve the X-ray analysis community. It is a scientific and technical journal, publishing articles relating to a wide range of X-ray diffraction and fluorescence applications.

The new issue features editorial coverage of the 2017 Nobel Prize in Chemistry and numerous technical articles, including an examination of the use of multi-dimensional measurement in powder X-ray diffraction. An overview of phase determination in protein structure analysis and a comparison of analysis results between the fusion method and the pressed powder method for powder sample analysis are included.

A new method for quantitative phase analysis involving direct derivation of weight fractions from observed intensities and chemical composition data of individual crystalline phases is also presented.

New analytical instrumentation is highlighted, including overviews of the Rigaku XtaLAB Synergy-DW X-ray diffractometer system with dual wavelength X-ray source, and the sixth generation Rigaku MiniFlex benchtop X-ray diffractometer, featuring the new HyPix-400 MF two-dimensional detector.

Rigaku XtaLAB Synergy-DW high-flux dual wavelength diffractometer with HPC detector

Back issues and a searchable database of articles are also available.

The complete issue, or its individual articles, is available for download at no cost at http://www.rigaku.com/en/downloads/rigaku-journal

About Rigaku

Since its inception in Japan in 1951, Rigaku has been at the forefront of analytical and industrial instrumentation technology. Rigaku and its subsidiaries form a global group focused on general-purpose analytical instrumentation and the life sciences. With hundreds of major innovations to their credit, Rigaku companies are world leaders in X-ray spectrometry, diffraction, and optics, as well as small molecule and protein crystallography and semiconductor metrology. Today, Rigaku employs over 1,400 people in the manufacturing and support of its analytical equipment, which is used in more than 90 countries around the world supporting research, development, and quality assurance activities. Throughout the world, Rigaku continuously promotes partnerships, dialog, and innovation within the global scientific and industrial communities.

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