

Press Release

Issue 60 of *The Bridge*, the Materials Science newsletter from Rigaku, is now online

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The June 2018 edition of The Bridge newsletter from Rigaku concentrates on materials science and is available from the company's website

June 27, 2018 – The Woodlands, Texas. The June edition of [The Bridge](#), the materials science newsletter from [Rigaku Corporation](#), is now available online on the company's global website. *The Bridge* presents current news and analysis techniques related to the latest developments in X-ray based materials science, including articles, scientific papers and news reports. Application reports for X-ray diffraction ([XRD](#)), energy dispersive X-ray fluorescence ([EDXRF](#)) and wavelength dispersive X-ray fluorescence ([WDXRF](#)) are featured.

This month's issue contains a featured article on phase identification based on cluster analysis of Debye rings and a Rigaku Journal article offering an introduction to single crystal X-ray analysis.

The book review features *The Evolution of Scientific Knowledge: From Certainty to Uncertainty* by Edward R. Dougherty. The book is about scientific epistemology, the theory of scientific knowledge, and covers the evolution of scientific knowledge from the time of Aristotle to that of genomics.

“Material Analysis in the News” presents the latest global news stories, including news about a study revealing that an estimated 16 million metric tons of Rare Earth Elements (REEs) — enough to fulfill global demands potentially for hundreds of years on a semi-infinite basis — have been discovered in Japanese waters. Another story reports that NASA's Curiosity rover has found new evidence preserved in rocks on Mars that suggests the planet could have supported ancient life, as well as new evidence in the Martian atmosphere that relates to the search for current life on the planet.

“Recent Scientific Papers of Interest” - a monthly compilation of material analysis papers appearing in recently released journals and publications - features 24 recently published papers on research relating to materials science.

Readers can subscribe to the newsletter or view the current issue online at <https://www.rigaku.com/subscribe>

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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