

Editorial Note

Editorial Board

Akito Ikeda, Daiki Kido, Takashi Kosuge, Chikaori Mitsuda, Daichi Naito,
Hironori Nakao, Daisuke Okuyama, Ken Wada,
Hitoshi Abe (Editor in Chief)

Editorial, Design & Layout

Yoko Misumi

Cover Design

Hiroko Ohshima

We, the editorial board would like to thank all the users and
the staffs who have contributed to the editing of this "PF Highlights 2022".

Cover Photos

Top: A schematic drawing of the mechanism of CRY/clISCA1 complexation in the geomagnetic field,
assuming that clISCA1 molecules are in the nondiamagnetic states. (Highlight 3-3)

Upper Middle: PES spectra around the B-1s core level of rhombohedral boron
monosulfide (blue line). (Highlight 1-3)

Lower Middle: The temporal evolutions of the peak intensity differences at α (398.97 eV) and β (399.56 eV),
which correspond to the population of the high spin state (laser on) and that of the low spin state (laser off),
respectively, measured at N K-edge for $[\text{Fe}(\text{phen})_3]^{2+}$ aqueous solution. (Highlight 5-3)

Bottom: STXM images of the Ryugu grains and X-ray absorption maps of
the organic functional groups. (Highlight 4-3)

Photon Factory

1-1 Oho, Tsukuba, Ibaraki 305-0801, Japan

Institute of Materials Structure Science
High Energy Accelerator Research Organization (KEK)