



Prof. Ohba

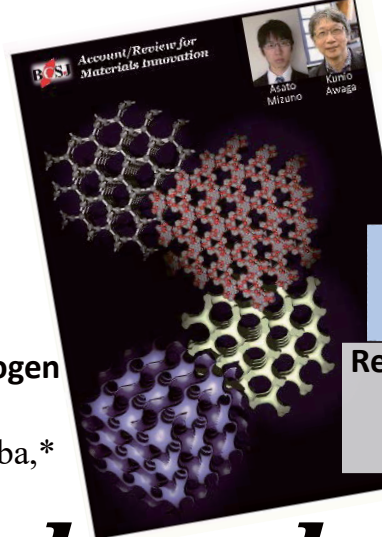
[OPEN Access]

Swift and Efficient Nuclear Spin Conversion of Molecular Hydrogen Confined in Prussian Blue Analogs

Y. Ohtsubo, A. Mishima, A. Hori, R. Matsuda, R. Ohtani, M. Ohba,* *Chem. Lett.* **2020**, 49, 149-152.



Nuclear Spin Conversion



Molecular Spin Gyroid

Recent Developments in Molecular Spin Gyroid Research

A. Mizuno,* Y. Shuku, K. Awaga,* *Bull. Chem. Soc. Jpn.* **2019**, 92, 1068-1093.



Dr. Mizuno



Prof. Awaga

[OPEN Access]



Prof. Ohkoshi

Broadband-Millimeter-Wave Absorber Based on ϵ -(Ti^{IV}Co^{III})_xFe^{III}_{2-2x}O₃ for Advanced Driver Assistance Systems

A. Namai, K. Ogata, M. Yoshikiyo, S. Ohkoshi,* *Bull. Chem. Soc. Jpn.* **2020**, 93, 20-25.

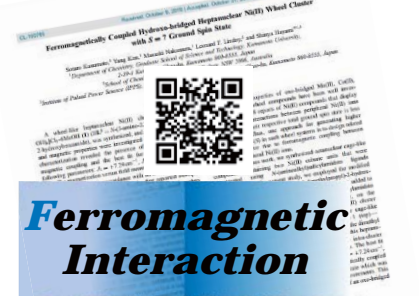


Nanomagnets

Molecular Magnetism



by The Chemical Society of Japan



Ferromagnetic Interaction

Ferromagnetically Coupled Hydroxo-bridged Heptanuclear Ni(II) Wheel Cluster with S = 7 Ground Spin State

S. Kusumoto, Y. Kim, M. Nakamura, L. F. Lindoy, S. Hayami,* *Chem. Lett.* **2020**, 49, 24-27.



Prof. Hayami



Dr. Kagesawa

Prof. Yamashita

Prof. Miyasaka

[OPEN Access]

Water-vapor Sensitive Spin-state Switching in an Iron(III) Complex with Nucleobase Pendants Making Flexible Hydrogen-bonded Networks

K. Kagesawa,* Y. Ichikawa, H. Iguchi, B. K. Breedlove, Z. Li, M. Yamashita,* A. Okazawa, W. Kosaka, H. Miyasaka,* *Chem. Lett.* **2019**, 48, 1221-1224.

Spin-state Conversion



Organic π -Radical

Trioxotriangulene: Air- and Thermally Stable Organic Carbon-Centered Neutral π -Radical without Steric Protection

Y. Morita,* T. Murata, A. Ueda, C. Yamada, Y. Kanzaki, D. Shiomi, K. Sato, T. Takui, *Bull. Chem. Soc. Jpn.* **2018**, 91, 922-931.



Prof. Morita

[OPEN Access]