

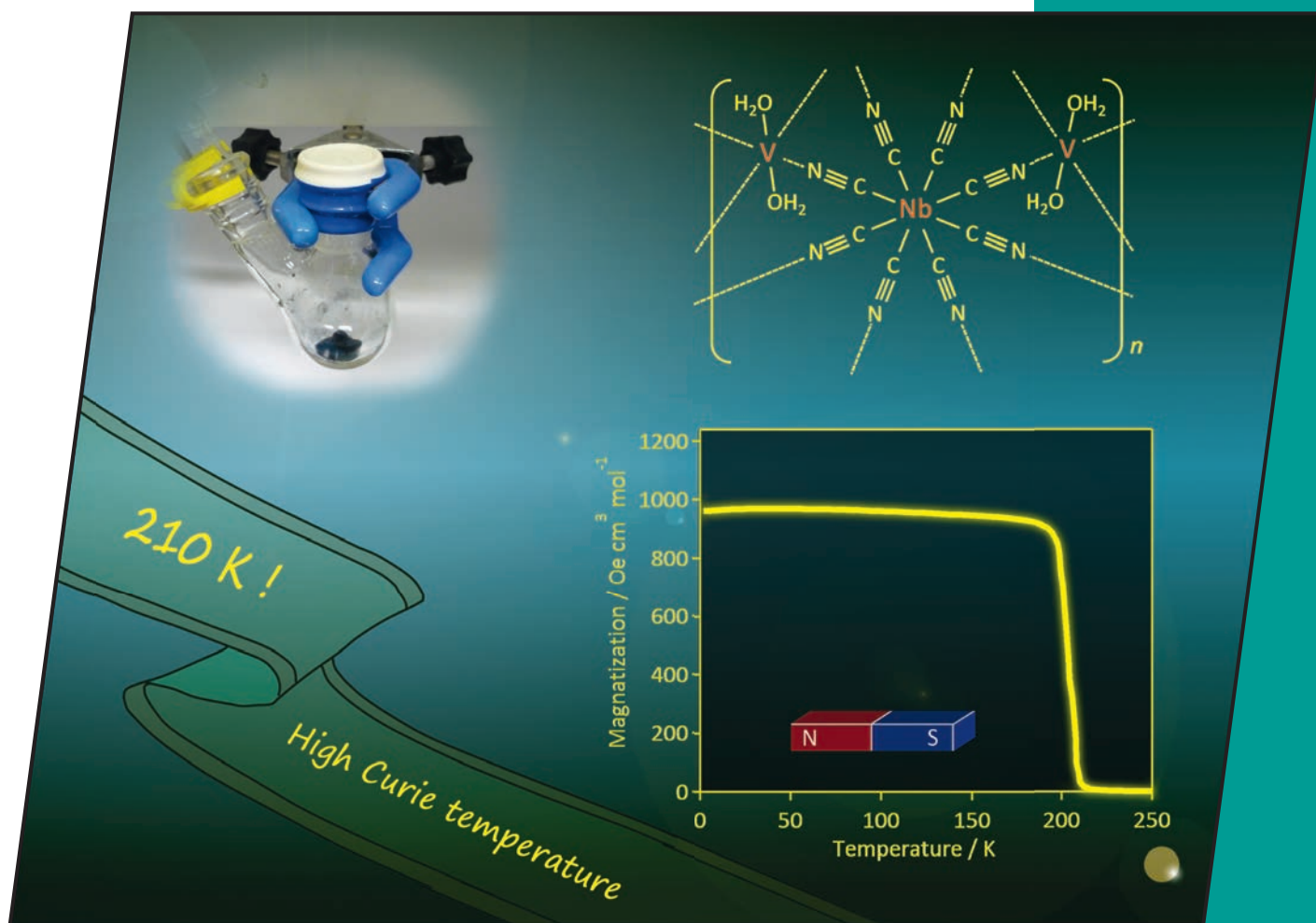


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Inorganic Nanomaterials



Cover Picture

Shin-ichi Ohkoshi et al.

Cyano-Bridged V–Nb Bimetal Assembly Exhibiting High Curie Temperature

Microreviews by

Stefan K. Henninger et al.; Juliusz A. Wolny, Volker Schünemann et al.


 WILEY-VCH

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FRONT COVER PICTURE

The front cover picture shows a schematic representation of the coordination network and the temperature dependence of magnetization of a cyano-bridged V–Nb bimetal assembly, $K_{0.59}V^{II}_{1.59}V^{III}_{0.41}[Nb^{IV}(CN)_8](SO_4)_{0.50} \cdot 6.9H_2O$. This compound exhibits ferrimagnetism with a high Curie temperature (T_C) of 210 K. This temperature is the highest T_C value among those of octacyano-bridged bimetal assemblies. The Short Communication by S. Ohkoshi et al. on p. ff2649, demonstrates that the increase in the superexchange pathways of $V^{II}-NC-Nb^{IV}$ contributes to the achievement of the high T_C value.

