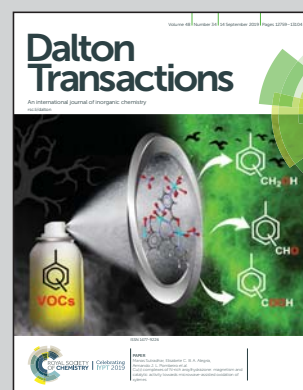


Showcasing research from the laboratory of Prof. Toshio Naito (Graduate School of Science and Engineering, Ehime University, Matsuyama, Japan).

A molecular crystal with an unprecedentedly long-lived photoexcited state

UV-irradiation on a square-planar coordinate Au(III)-complex in the solid state results in a molecular distortion into a non-planar coordinate with a relaxation time of about a week at room temperature. This kind of material would enable "photon-storage" in the future, if we can make them luminescent.

As featured in:



See Toshio Naito *et al.*,
Dalton Trans., 2019, 48, 12858.