

Self-assembled ratiometric chemosensor for metal ions



Showcasing research from Professor Minami's laboratory, Institute of Industrial Science, The University of Tokyo, Tokyo, Japan.

Spontaneous preparation of a fluorescent ratiometric chemosensor for metal ions using off-the-shelf materials

A self-assembled chemosensor prepared by only mixing off-the-shelf materials shows ratiometric properties upon detecting metal ions. As shown in colored bottles on an array (i.e., the vending machine), the various optical patterns depending on analyte concentrations allowed pattern recognition-driven chemical sensing.

As featured in:



See Tsuyoshi Minami *et al.*, *Chem. Commun.*, 2023, **59**, 7747.