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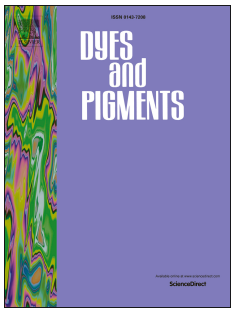

Nine coordination polymers assembled with a novel resorcin[4]arene tetracarboxylic acid: Selective luminescent sensing of acetone and Fe^{3+} ion

Xue Han, Jin Yang, Ying-Ying Liu, Jian-Fang Ma

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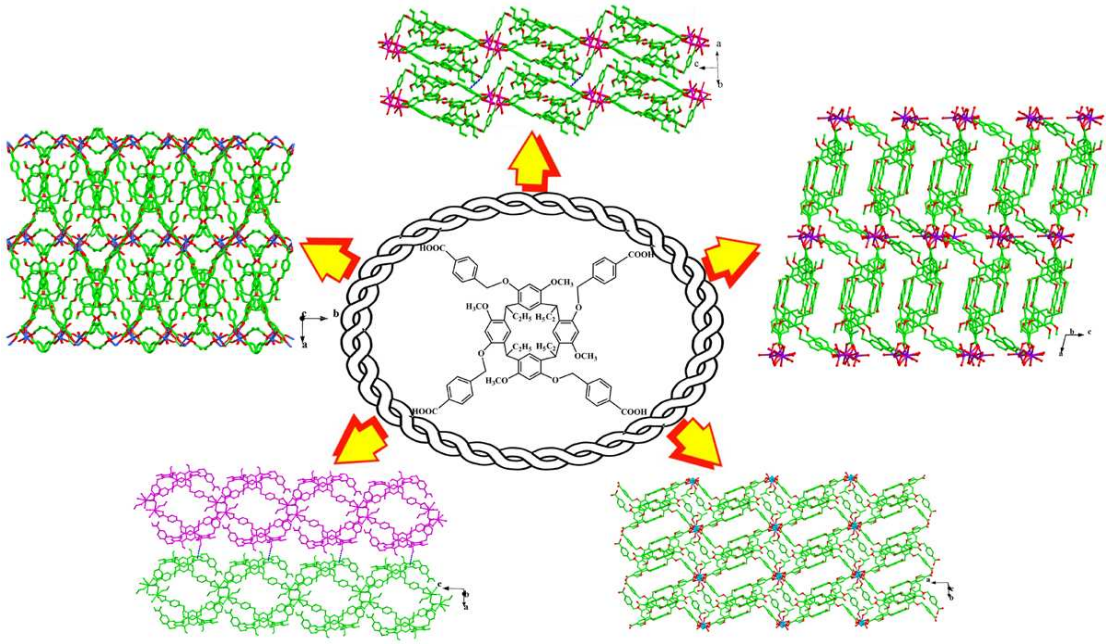

Nine coordination polymers have been prepared based on a new resorcin[4]arene-functionalized tetracarboxylic acid. Compound **1** exhibits highly selective luminescent detection to acetone and Fe^{3+} ions by quenching process.