Synthesis and Characterization of a New Layered Zinc Phosphate: \((\text{C}_3\text{H}_4\text{N}_2)_3\text{Zn}_4^+\text{(HPO}_4\text{)(PO}_4\text{)}_2\) with Imidazole Coordinating to Zn Atoms

A 2-D hybrid zinc phosphate with electro-neutral framework is characterized with 12-ring layers and coordination bonds between three independent imidazole groups, resulting in structure building units of \(\text{ZnO}_2\text{N}_2\) and \(\text{ZnO}_3\text{N}\).

Aili Cui and Youwei Yao