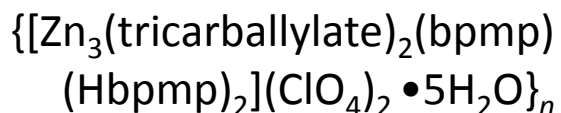


Synthesis, Structural Determination, and Physicochemical Property Studies of Novel Coordination Polymers Incorporating Kinked and Hydrogen-Bonding Capable Bifunctional Organodiimines

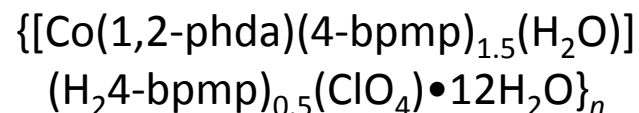
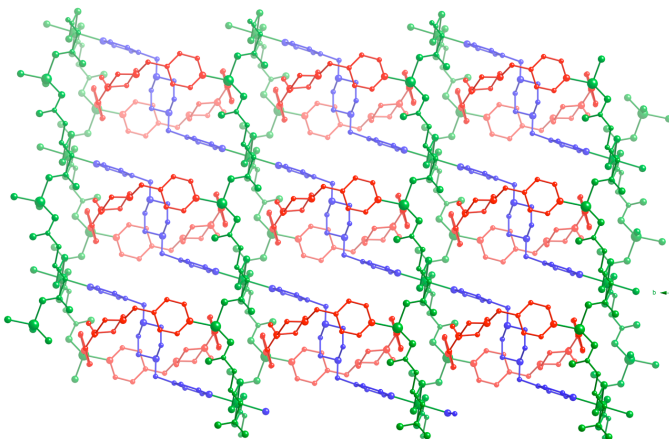
Robert L. LaDuca

Lyman Briggs College, Michigan State University, East Lansing, MI 48825

Hydrogen-bonding capable bis(pyridylmethyl)piperazine tethering ligands have afforded divalent metal carboxylate coordination polymers with novel topologies



an unprecedented self-penetrated 2-D layered topology with threaded-loop linkages



first Archimedean layer with regular triangular and rectangular circuits ($3^34^55^3$ topology)

