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Tuning dimensionality of octamolybdate structures through selecting different ligands

Ai-Xiang Tian, Jia-Ni Liu, Xue-Bin Ji, Gui-Ying Liu, Ting-Ting Li, Yan Tian, Huai-Ping Ni, Guo-Cheng Liu, Jun Ying



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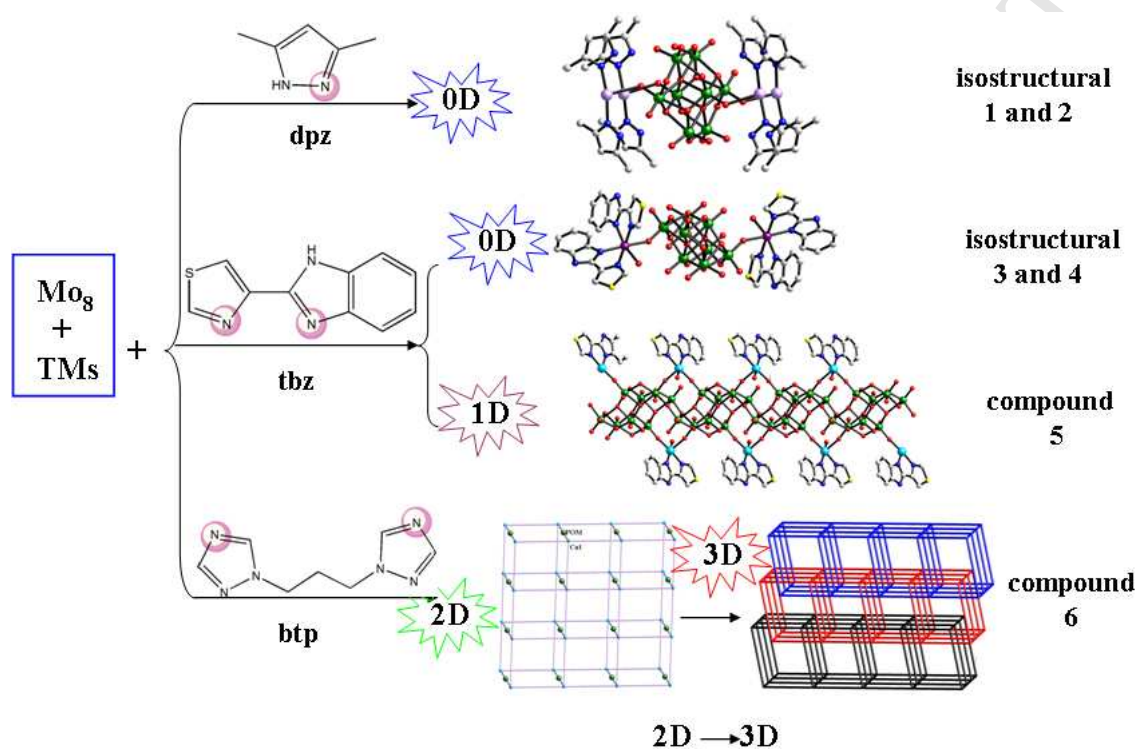
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Graphical Abstract

Three ligands dpz, tbz and btp were used to tune dimensionality of Mo_8 -based compounds. When dpz and tbz were utilized, low dimensional structures were obtained, 0D for **1–4** and 1D for **5**. The btp induces a 2D→3D interpenetrating structure of **6**.



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