

Supporting Information:

A New Organic-inorganic Hybrid Layered Molybdenum(V) Cobalt Phosphate Constructed from $[H_{24}(Mo_{16}O_{32})Co_{16}(PO_4)_{24}(OH)_4(C_5H_4N)_2(H_2O)_6]^{4-}$ Wheels and 4,4'- bipyridine linkers

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Figure S1. ORTEP view of the wheel-type cluster of **1** with 50% thermal ellipsoids.

Figure S2. IR spectrum of **1**.

Figure S3. TG curve of **1**.

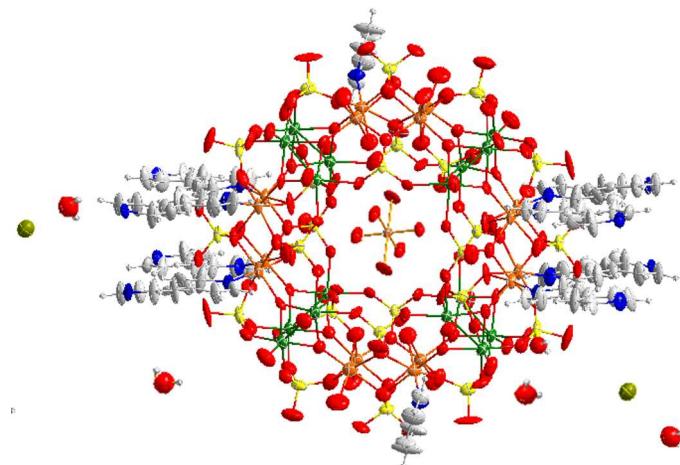


Figure S1. ORTEP view of the wheel-type cluster of **1** with 50% thermal ellipsoids. Color code: Mo (green); Co (orange); Na (dark yellow); P (yellow); O (red); N(blue); C (grey).

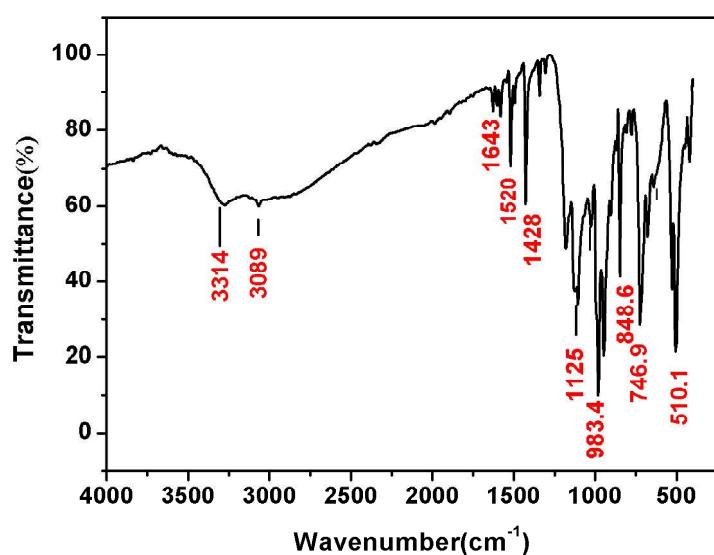


Figure S2. IR spectrum of **1**.

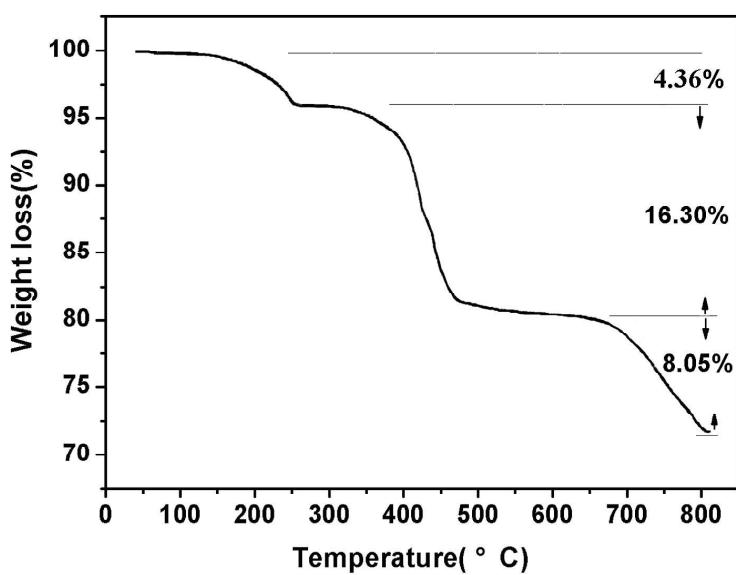


Figure S3. TG curve of **1**.