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SUPPLEMENTARY MATERIAL TO

Structure and properties of $ZnO/ZnMn_2O_4$ composite obtained by thermal decomposition of terephthalate precursor

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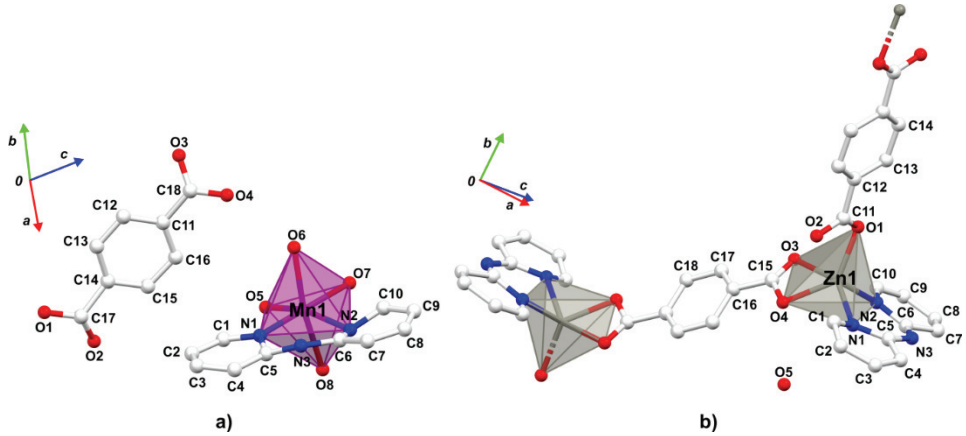

Fig. S-1. The asymmetric unit of $[Mn(dipya)(H_2O)_4](tpht)$ phase (a) and the structural fragment of $\{[Zn(dipya)(tpht)]\cdot H_2O\}_n$ phase (b) in **I**.

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TABLE S-I. Selected bond lengths (Å) for [Mn(dipya)(H_2O)$_4$](tpht) and {[Zn(dipya)(tpht)]·H_2O}$_n$ phases in **I**

Phase	Bond	Bond length, Å*
[Mn(dipya)(H_2O)$_4$](tpht)	Mn1–N1	2.217(14)
	Mn1–N2	2.356(18)
	Mn1–O5	2.23(3)
	Mn1–O6	2.22(4)
	Mn1–O7	2.23(4)
	Mn1–O8	2.44(5)
{[Zn(dipya)(tpht)]·H_2O}$_n$	Zn1–N1	2.153(14)
	Zn1–N2	2.062(8)
	Zn1–O1	2.029(18)
	Zn1–O3	2.408(15)
	Zn1–O4	2.060(16)

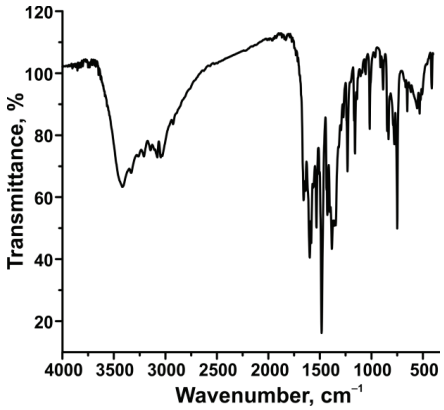

Fig. S-2. FTIR spectrum of **I**.

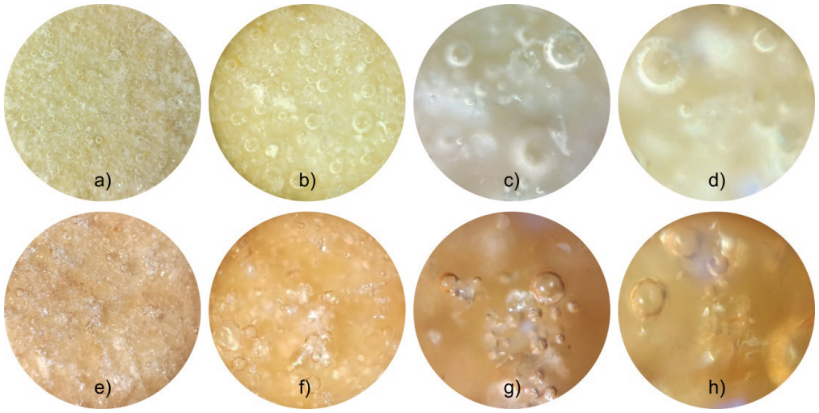

Fig. S-3. Transparent (a–d) and pigmented (e–h) glaze at different magnifications: 40× (a, e), 100× (b, f), 200× (c, g) and 400× (d, h).

* 1 Å = 0.1 nm