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Electronic Supporting Information

Bioinspired heterogeneous catalyst based on the model of the manganese-dependent dioxygenase for selective oxidation using dioxygen

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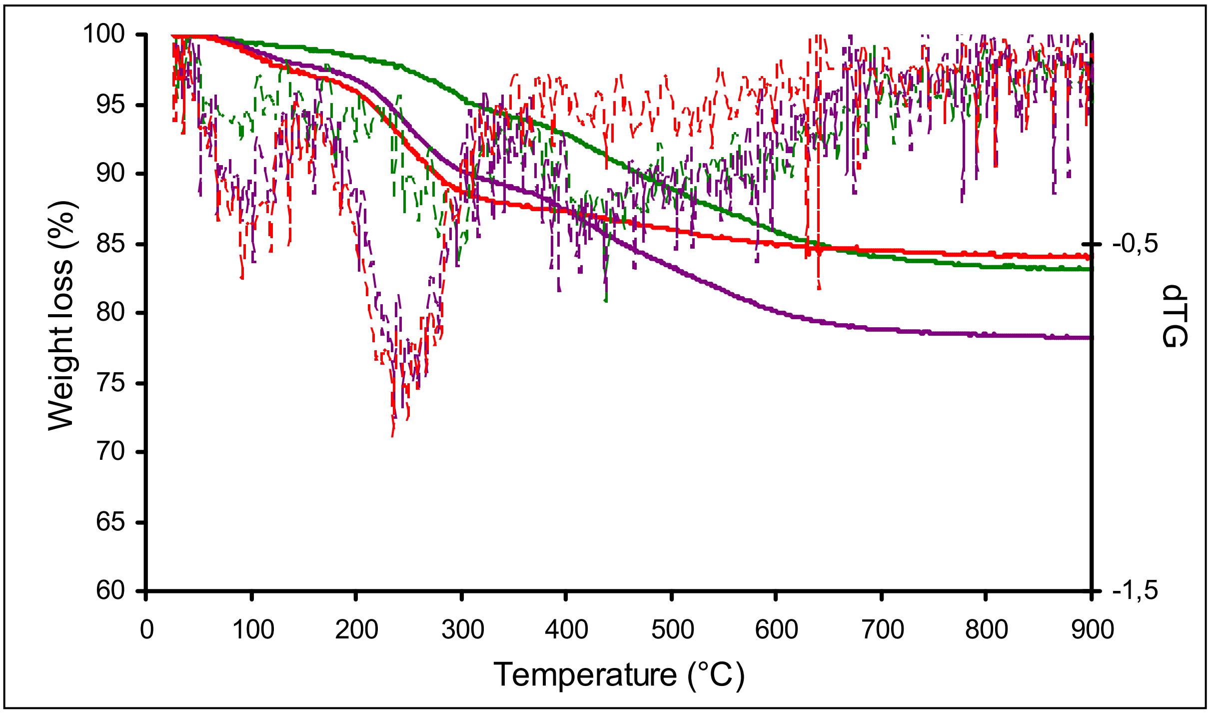

Figure S1. TGA profiles of materials LUS-TMA-E15 (red), Py@LUS-TMA-E15 (purple) and N_3-Py@LUS-E15 (green) as well as their derivative curves (dotted lines). In the case of N_3-Py@LUS-E15, mass losses corresponding to the degradation of pyridine and azide functions were 9.5 and 4 % respectively.

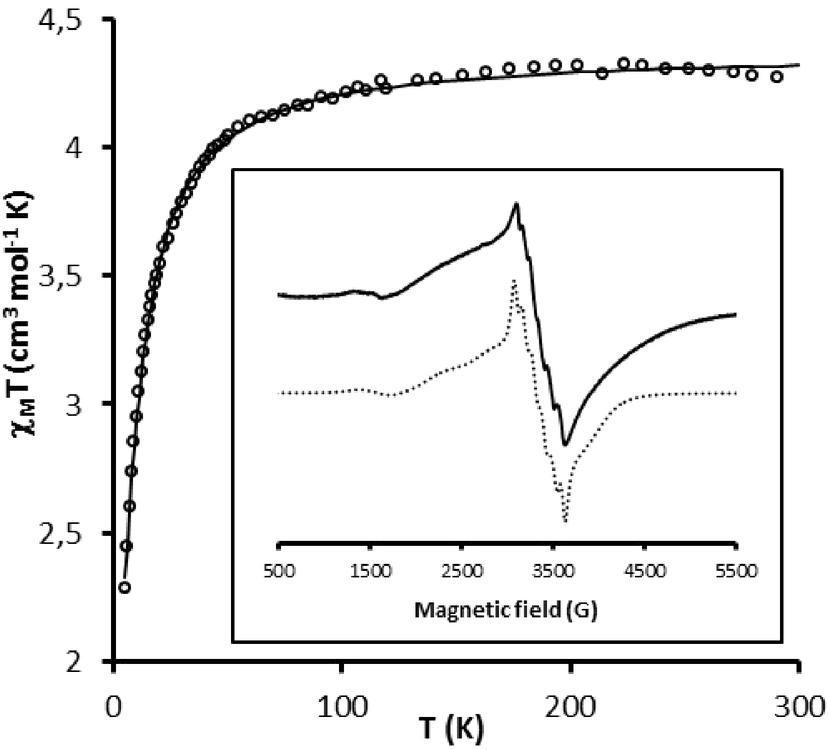

Figure S2. Temperature dependence of χ_MT for **S2**. The solid line represents the best fit discussed in the text. Insert: solid-state EPR spectra of **S1** at 120 K and its simulation (dotted line).

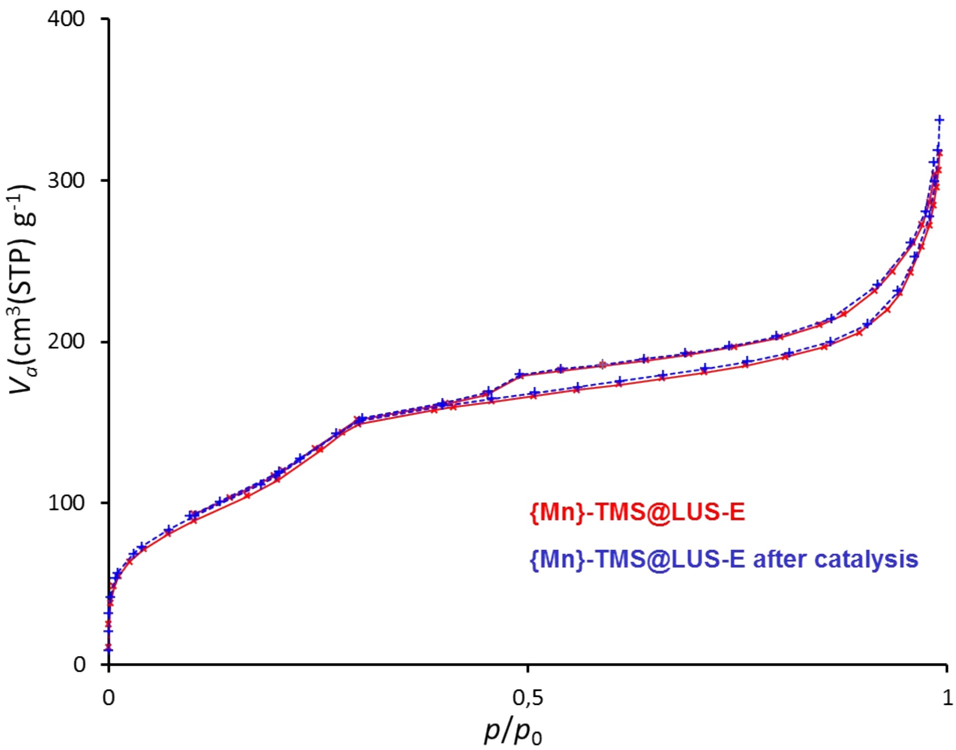

Figure S3. Nitrogen sorption isotherms at 77 K of {Mn}-TMS@LUS-E and {Mn}-TMS@LUS-E after catalysis.