Supporting information for

Development of Quinary Layered Double Hydroxide-derived High-entropy Oxides for Toluene Catalytic Removal

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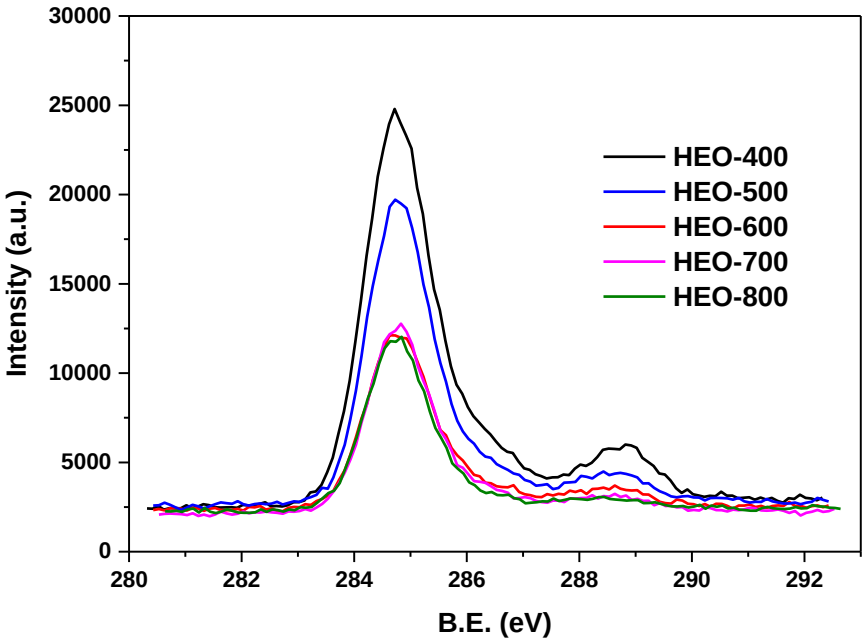

Figure S1. C 1s XPS spectra of HEOs.

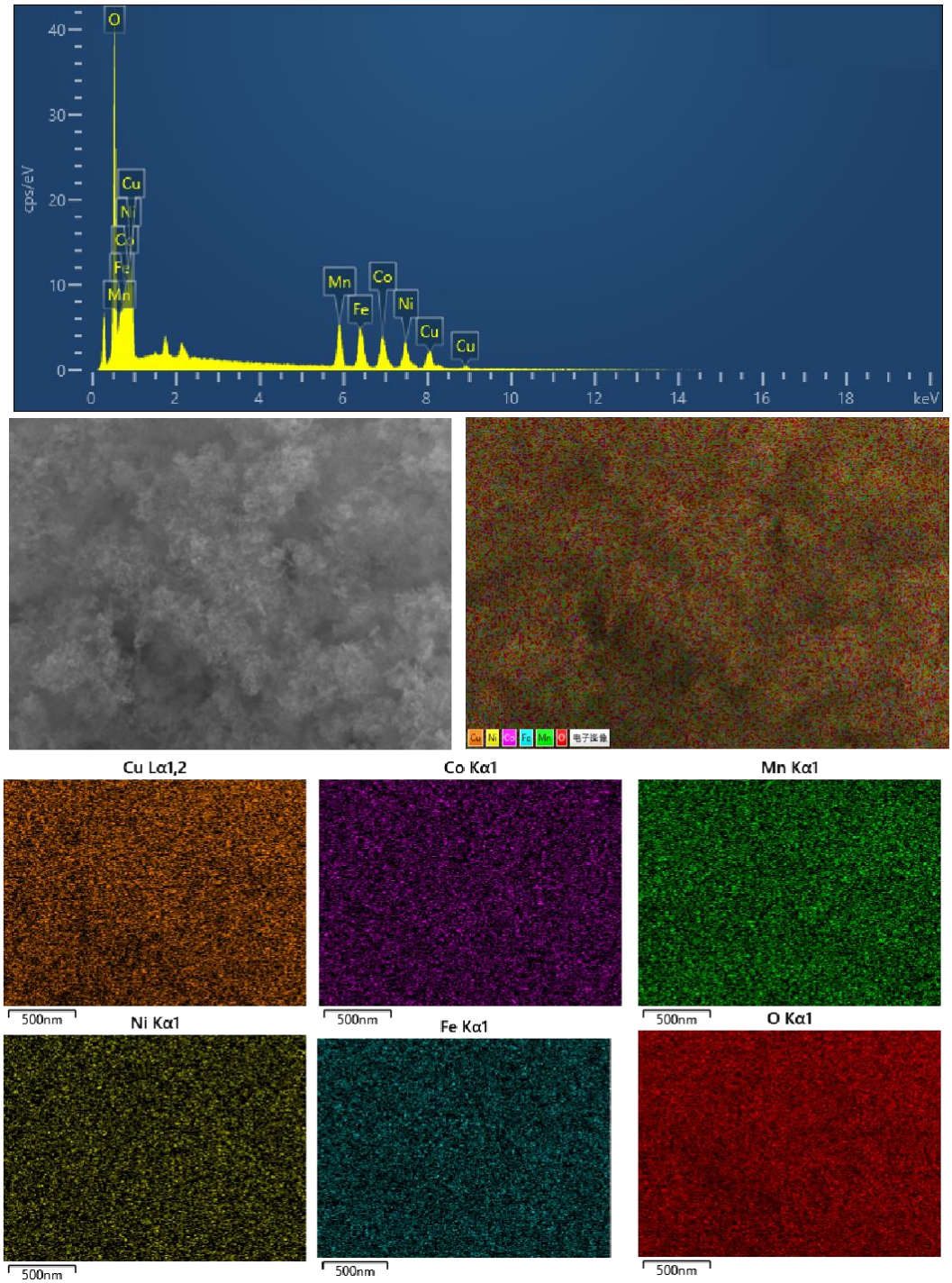

Figure S2. EDS spectrum and elements mapping of HEO-600.

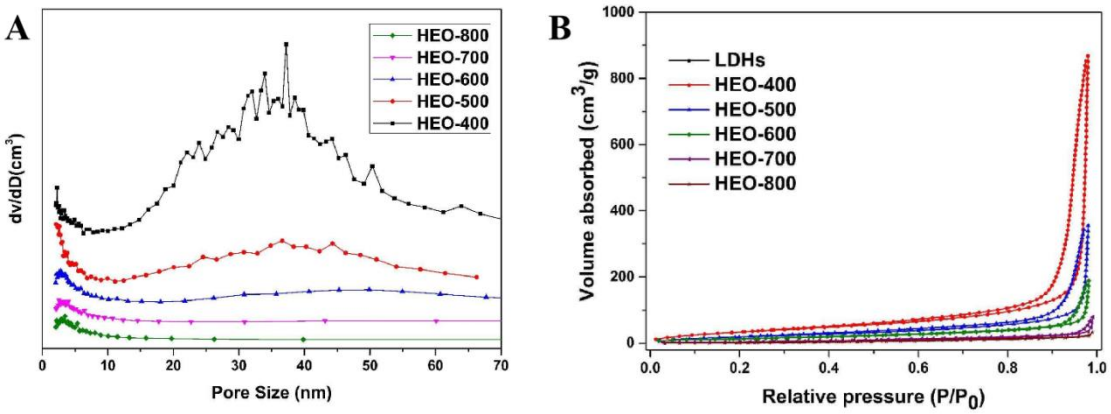

Figure S3. (A) N_2 adsorption/desorption isotherms and (B) BJH pore size distribution of HEOs.

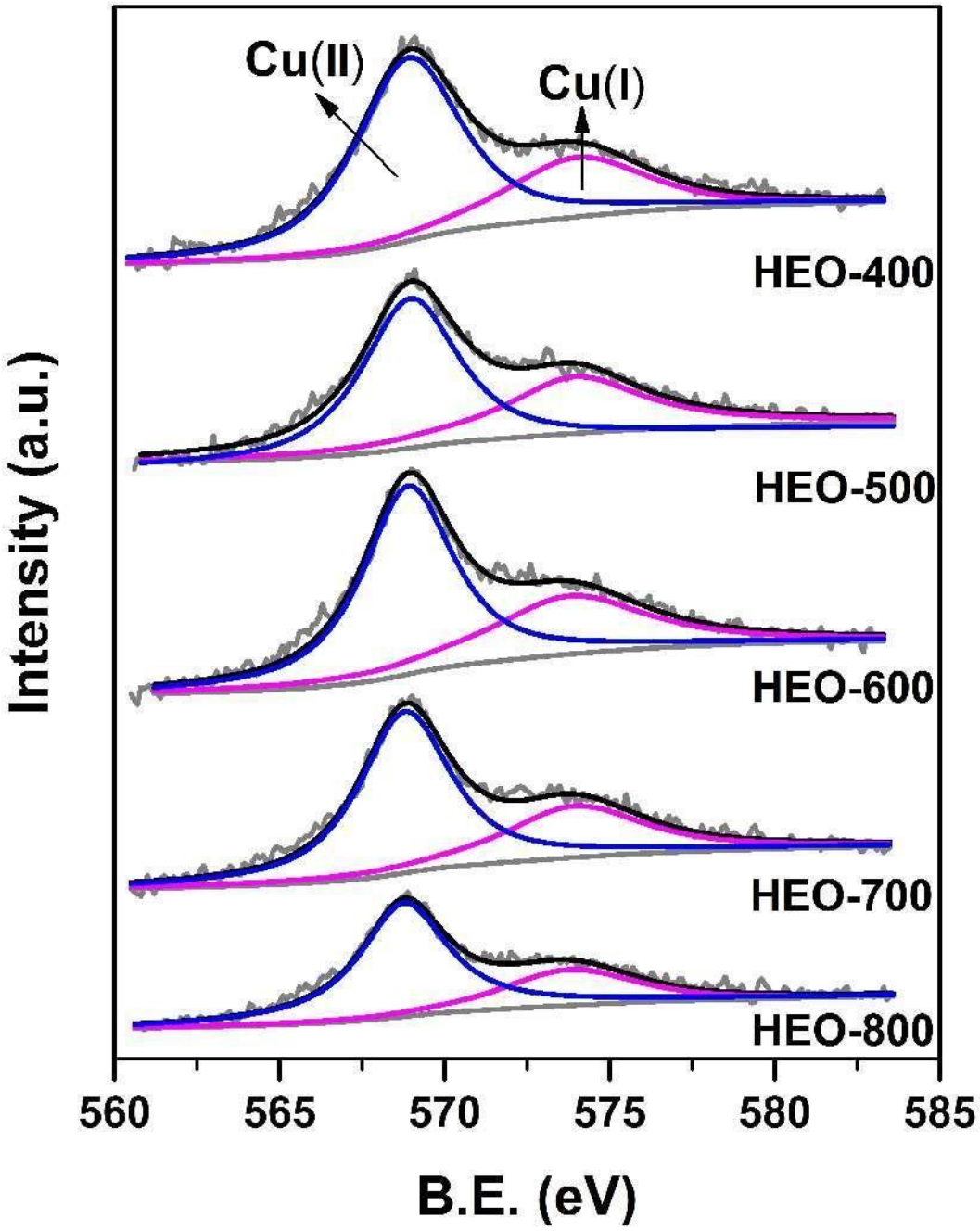

Figure S4. Cu AES spectra of HEOs.

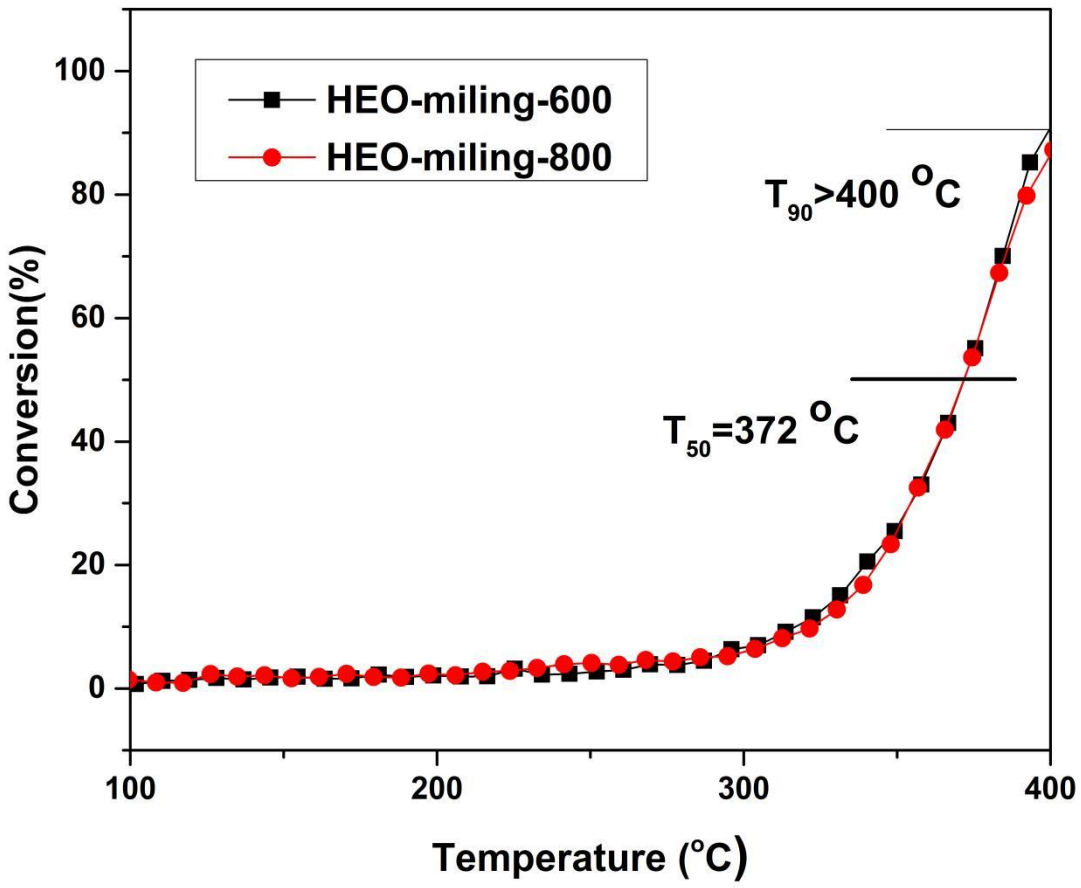

Figure S5. Catalytic performance of HEO-milling-600 and HEO-milling-800.

Table S1 The obtained atomic percentage from EDS spectrum

Element	Line	Weight%	Atom%
O	K	28.68	59.48
Mn	K	13.45	8.12
Fe	K	13.63	8.10
Co	K	14.48	8.15
Ni	K	14.24	8.05
Cu	L	15.52	8.10
Total		100.00	100.00