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Co, Zn−coordinated ZIF−derived bimetal encapsulated N−doped CNTs for highly effective oxidation of benzyl alcohol at room temperature

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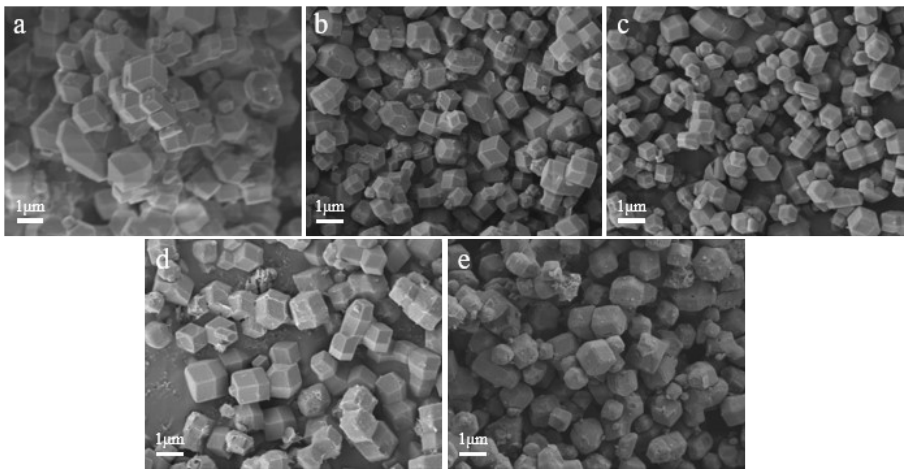

Fig. S1 SEM images of a: ZIF−8; b: 0.5Co−ZIF−8, c: 1Co−ZIF−8, d: 1.5Co−ZIF−8, e: 2Co−ZIF−8

Table S1 Catalytic performance at respective temperatures and solvent for selected representative benzyl alcohol oxidation systems.

Catalyst	Solvent	Temperature / ℃	Time / h	Con. / %	Sel. / %	Refs.
Co@NC	DMF	90	5	78	94	[1]
SA-Fe/N-C	Water	100	24	92.7	96.4	[2]
Co_3O_4	Toluene	100	3	97.5	100	[3]
Co_3O_4/MnO_2	Toluene	100	6	81	90	[4]
Ni_1Co_4/SBA-15	DMF	120	8	96.2	98.3	[5]
$CoFe_2O_4$	DMA	150	24	95.3	96.3	[6]
NiO/CN	Water	25	0.5	99	100	[7]
Ru_1/NC	Water	90	2	99	99	[8]
1.5Co-Zn@N-C	Toluene	30	5	95.4	94.6	This work

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