Supporting Information

Ferrocene carboxylic acid-doped copper MOFs as a nanozyme with high peroxidase-mimicking activity for catalytic dye degradation

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Table S1. Comparison of kinetic parameters of Fc-Cu PTA as a peroxidase-mimicking nanozyme with reported nanomaterials.

Substrate	H_2O_2		TMB		References
	K_m (mM)	V_{max} (10^{-8} M s^{-1})	K_m (mM)	V_{max} (10^{-8} M s^{-1})	
Fc-Cu PTA	0.33	16.7	0.046	5	This work
HRP	3.70	8.71	0.434	10	[1]
Fe_3O_4 MNPs	154	9.78	0.098	3.44	[1]
Au MS	78.6	9.9	0.146	5.07	[2]
Cu-MOF	28.58	5.45	0.456	2.478	[3]
MOF(Co/2Fe)	4.22	4.9	0.25	3.8	[4]
$NiFe_2O_4$	2.6	14.11	0.55	4.57	[5]
Au-NPFe$_2$O$_3$NC	138.5	4.770	0.0429	5.882	[6, 7]
IO-MC	14.9	1.93	0.242	1.64	[8]
Mesoporous γ-Fe$_2$O$_3$	144.3	1.84	0.0997	52	[9]
Mesoporous α-Fe$_2$O$_3$	127.92	3.77	0.5304	5.43	[9]
IONF_250	150.47	3.12	0.24	3.07	[10]
Mesoporous Fe$_2$O$_3$	146.7	6.37	0.298	7.36	[11]

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