

Electronic Supplementary Information (ESI):

**Biomass-derived components to platform chemicals using
heterogeneous redox catalysts: An overview**

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Table S1. Oxidation of HMF to FDCA over different supported catalysts

Catalysts	Reaction Conditions				HMF Conv. (%)	FDCA Yield (%)	Ref.
	T (°C)	Oxidant	t (h)	Base			
Au ₈ -Pd ₂ /AC	60	O ₂ , 3 bar	4	NaOH	>99.0	>98.0	1
Pt/ γ -Al ₂ O ₃	140	O ₂ , 1 bar	12	Na ₂ CO ₃	96.0	96.0	2
Au-Pd/CNT	100	O ₂ , 5 bar	12	*	100.0	94.0	3
Ru/CTF	140	Air, 20 bar	1	*	99.9	37.7	4
Ru/C	120	O ₂ , 2 bar	10	*	100	88.8	5
Ru(4%)/MnCo ₂ O ₄	120	Air, 24 bar	10	*	100	99.1	6
Au/TiO ₂	130	Air, 10 bar	8	NaOH	100	84	7
Ru/AC	75	35% H ₂ O ₂	6	Na ₂ CO ₃	100	91.3	8
Pt/ZrO ₂	100	O ₂ , 4 bar	12	*	100	97.3	9

HMF: 5-hydroxymethylfurfural, FDCA: 2,5-furandicarboxylic acid, *: Base free conditions

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