SUPPLEMENTARY INFORMATION

Innovative Direct Synthesis of Adipic Acid by Air Oxidation of Cyclohexane
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Productivity values presented in table S1 are calculated for best examples of cited references (extracted from experimental sections or detailed conditions of experiments in the text).

Table S1

Reference	Catalytic system	Oxidant	Catalytic activity g(adipic acid) / L(liquid phase) / h	Note
This work	***Co/Mn/ tBuBenzoic acid***	***air***	***95***	-
4a	Co /AcOH	air	***28***	Experimental Section
4b	Co /AcOH	Molecular O_2	***18***	Table 1. Column 1
4c	NHPI/Co/Mn/AcOH	Molecular O_2	***< 3***	Table 1. Line 5
4d	Co/AcOH	Molecular O_2	***n.d.***	No data, see 4b
4e	Supported Co /AcOH	Molecular O_2	***13***	Experimental Section. Figure 1
4f	FeAlPO-31	air	***< 3***	Table 1. Line 2
4g	FeAlPO-5	air	***< 3***	Ref 40 of 4g: J.Am.Chem.Soc. 1999, 121, 11926-7 Table 1. Line 2
4h	Many systems	H_2O_2	***n.d.***	Too expensive oxidant
4i	Lipophilic NHPI	air	***7***	Experimental Section Table 1. Line 1
4j	Fe Porphyrin	Molecular O_2	***21***	Experimental Section
4k	FeAlPO-5	Acetylperoxyborate	***9***	Too expensive oxidant

n.d. Not Determined