Electronic Supplementary Information

Understanding Catalysis

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Table S1: Standard thermodynamic enthalpies of formation, H_f°, and standard entropies, S°, for the reactants of the reactions in Table 1 of the manuscript. These values are taken from the NIST library: webbook.nist.gov/chemistry/

Molecule	H_f°	S°
	kJ mol^{-1}	J mol^{-1}K^{-1}
HCOOH(g)	-379	248.7
HCOOH(l)	-425	132
CO_2(g)	-393.5	213.8
CO_2(aq)	-413.0	121.4
CO(g)	-110.5	197.7
H_2O(g)	-241.8	188.8
H_2O(l)	-285.8	69.9
H_2(g)	0	130.7
O_2(g)	0	205.1