Supplemental Information

Selective oxidation of cyclohexane over gold nanoparticles supported on mesoporous silica prepared in the presence of thioether functionality

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Table S1 Cyclohexane oxidation results on different gold catalysts

Catalyst[reference]	Oxidant/ MPa	Temperature (K)	Reaction time (h)	Conversion (mol.%)	K/A oil Selectivity (mol.%)	TOF (h^{-1})
Au/ ZSM-5[1]	O_2/1.0	423	4	16.0	92.0	2242
Au/MCM-41[2]	O_2/1.0	423	6	19.0	94.0	1907
Au/Al_2O_3[3]	O_2/1.5	423	3	12.6	88.0	16136
Au/APS-SBA-15[4]	O_2/1.5	423	6	21.0	96.0	661
Au/SH-SBA-15[4]	O_2/1.5	423	6	32.0	94.0	858
Au/TiO_2/SiO_2[5]	O_2/1.0	423	3	8.4	91.7	40133

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