Supporting Information

Scale-up of cluster beam deposition to the gram scale with the matrix assembly cluster source for heterogeneous catalysis (catalytic ozonation of nitrophenol in aqueous solution)

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Table S1 Summary of the metal loading and BET results

Sample	Metal loading (wt%)		Surface area (m^2/g)	Pore radius (A)
	By XPS	By ICP-OES		
Ag on TiO_2	0.08	0.135	23.9	15.6
Au on TiO_2	0.55	/	24.2	22.0
Blank TiO_2	/	/	28.0	22.6

Table S2 Comparison of the reaction rate constant k_{app} and the intrinsic reaction rate constant k_{nor} normalized by the total number of moles of metal (based on XPS results) for the nitrophenol reduction catalysed by Au and Ag cluster catalysts

Sample	k_{app} (min^{-1})	k_{nor} ($\times 10^5$ min^{-1}mole of $metal^{-1}$)
Ag on TiO_2	0.50 ± 0.01	13.49 ± 0.27
Au on TiO_2	0.59 ± 0.02	4.23 ± 0.14

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