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Surface-Assisted Synthesis and Behavior of Dimetallic Mixed-Metal Complexes $[M_2Cl_2(\mu\text{-}Cl)_4(CO)_6M'(L)_2]$ (M = Ru, Os; M′ = Fe, Co; L = CH_3CH_2OH, H_2O)

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Ruthenium / Osmium / Cobalt / Iron / Synthesis design

The last column in Table 1 on page 3503 of the original article[1] is incorrect. The correct Table 1 and two sentences referring to this table in lines 13–21 of the right-hand column on the same page are given below.

Table 1. Calculated DFT energies of the decomposition routes presented in Scheme 1. Values in bold are taken from ref.[9]

M	M′	E_I (kJ/mol)	E_{II} (kJ/mol)	E_{III} (kJ/mol)
Ru	Fe	**–34**	**–325**	**–96**
Ru	Co	–31	–287	–78
Os	Fe	–33	–327	–99
Os	Co	–29	–287	–80

It also seems that decomposition step **II** is around 40 kJ/mol more favourable with iron than with cobalt, which is also consistent with experimental observations. According to our calculations, in $M'Cl_2(H_2O)_4$ the most favourable isomer is the *trans*(Cl) structure with both iron and cobalt, although the energy difference between the isomers is only 4–5 kJ/mol for both metal chlorides.

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