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CORRECTION

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Correction: New light on an old debate: does the RCN–$PtCl_2$ bond include any back-donation? RCN ← $PtCl_2$ backbonding *vs.* the IR $\nu_{C\equiv N}$ blue-shift dichotomy in organonitriles–platinum(II) complexes. A thorough density functional theory – energy decomposition analysis study

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Correction for 'New light on an old debate: does the RCN–$PtCl_2$ bond include any back-donation? RCN ← $PtCl_2$ backbonding *vs.* the IR $\nu_{C\equiv N}$ blue-shift dichotomy in organonitriles–platinum(II) complexes. A thorough density functional theory – energy decomposition analysis study' by Girolamo Casella *et al.*, *Dalton Trans.*, 2019, DOI: 10.1039/c9dt02440a.

(i) In the "Abstract" section

Erratum

"…RCN–X (X = **H+, alkaline, Lewis acids**)".

Corrigendum

"…RCN–X (X = **H+, Lewis acids**)".

(ii) In the "Introduction" section

Reference 6b, instead of reference 1, must be cited at the end of this sentence.

Erratum

"The explanation of this behavior based solely on the σ/π donation/backdonation orbital interaction model discussed earlier, would imply the lack of any N ← Pt π back-donation, or at least the occurrence of such interaction which cannot overcome the effect of the N → Pt σ donation".[1]

Corrigendum

"The explanation of this behavior based solely on the σ/π donation/backdonation orbital interaction model discussed earlier, would imply the lack of any N ← Pt π back-donation, or at least the occurrence of such interaction which cannot overcome the effect of the N → Pt σ donation".[6b]

(iii) In the "EDA_NOCV analysis" section

Erratum

"The results are given in Table 4 and indicate that the total N ← Pt π back-donation represents about 30% of the total ΔE_{Orb} term and ranges from 32% to 37% with respect to **the N → Pt σ** interaction which means that the orbital interaction…"

Corrigendum

"The results are given in Table 4 and indicate that the total N ← Pt π back-donation represents about 30% of the total ΔE_{Orb} term and ranges from 32% to 37% with respect to the **total N-Pt σ + π** interactions which means that the orbital interaction…"

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(iv) In the (a) "Infrared properties of the CN bond" and (b) "Conclusion" sections

Reference 24 in the following sentences should be replaced by ref.19, i.e.:

(a) Erratum

"These results indicate that the νC≡N blue-shift in these complexes is not correlated to the C≡N bond strength, in agreement with what is already reported for some Pt(II,IV)–N systems, including the herein investigated *trans*-1".[24]

Corrigendum

"These results indicate that the νC≡N blue-shift in these complexes is not correlated to the C≡N bond strength, in agreement with what is already reported for some $Pt^{(II,IV)}$–N systems, including the herein investigated *trans*-1".[19]

(b) Erratum

"In this context, EDA-NOCV further confirmed that the νC≡N was not correlated to the C≡N bond strength as already previously found".[24]

Corrigendum

"In this context, EDA-NOCV further confirmed that the νC≡N was not correlated to the C≡N bond strength as already previously found".[19]

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

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