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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? $RCN \leftarrow PtCl_2$ 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-PtCl₂ bond include any back-donation? RCN \leftarrow PtCl₂ backbonding vs. the IR $\nu_{\text{C} \equiv \text{N}}$ 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.

DOI: 10.1039/c9dt90189b

(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 $N \leftarrow Pt \pi$ back-donation, or at least the occurrence of such interaction which cannot overcome the effect of the $N \rightarrow Pt \sigma$ donation".

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 $N \leftarrow Pt \pi$ back-donation, or at least the occurrence of such interaction which cannot overcome the effect of the $N \rightarrow Pt \sigma$ donation".

(iii) In the "EDA_NOCV analysis" section

Erratum

"The results are given in Table 4 and indicate that the total N \leftarrow Pt π back-donation represents about 30% of the total $\Delta E_{\rm Orb}$ term and ranges from 32% to 37% with respect to **the N** \rightarrow **Pt** σ interaction which means that the orbital interaction..."

Corrigendum

"The results are given in Table 4 and indicate that the total N \leftarrow Pt π back-donation represents about 30% of the total $\Delta E_{\rm Orb}$ 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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Correction **Dalton Transactions**

(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 ν C \equiv N blue-shift in these complexes is not correlated to the C \equiv 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 ν C \equiv N blue-shift in these complexes is not correlated to the C \equiv 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 $\nu C \equiv N$ was not correlated to the $C \equiv N$ bond strength as already previously found".24

Corrigendum

"In this context, EDA-NOCV further confirmed that the ν C \equiv N was not correlated to the C \equiv 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.