

CORRECTION

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Correction: A series of red iridium(III) complexes using flexible dithiocarbamate derivatives as ancillary ligands for highly efficient phosphorescent OLEDs

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rsc.li/frontiers-materialsCorrection for 'A series of red iridium(III) complexes using flexible dithiocarbamate derivatives as ancillary ligands for highly efficient phosphorescent OLEDs' by Guang-Zhao Lu *et al.*, *Mater. Chem. Front.*, 2019, 3, 860–866.

This correction is being issued to draw the readers' attention to the authors' closely related papers, published at a similar time in *Chemical Science*¹ and *Journal of Materials Chemistry C*,^{2,3} which should have been cited in this *Materials Chemistry Frontiers* paper. The authors understand that they should have notified the journal's editors about the related manuscripts when this *Materials Chemistry Frontiers* paper was under review.

All four papers report cyclometalated iridium(III) complexes that contain a four membered ring based on the same Ir-S-C-S backbone. However, the complexes reported in each paper have different cyclometalated ligands and/or different dithiocarbamate derivatives as the main ligands and ancillary ligands, respectively.

In this *Materials Chemistry Frontiers* paper, the authors reported five complexes using 1-(4-(trifluoromethyl)phenyl)isoquinoline as the main ligand and five dithiocarbamate derivatives as ancillary ligands. In ref. 1 and 2, five different complexes were reported where different ancillary ligands were used but with 4-(4-(trifluoromethyl)phenyl)quinazoline as the main ligand. In ref. 3, three complexes were reported where different main ligands were used but with the same dithiocarbamate derivative as the ancillary ligand.

Therefore, although all the papers reported iridium(III) complexes with similar structures, these materials show different photophysical properties and device performances. However, ref. 1–3 should have been cited in this *Materials Chemistry Frontiers* paper.

The authors also regret that there are portions of unattributed text overlap in the Introduction and Results and discussion sections with other papers published by the authors, including ref. 1 and 2.

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

References

- 1 G.-Z. Lu, N. Su, H.-Q. Yang, Q. Zhu, W.-W. Zhang, Y.-X. Zheng, L. Zhou, J.-L. Zuo, Z.-X. Chen and H.-J. Zhang, *Chem. Sci.*, 2019, 10, 3535–3542.
- 2 G.-Z. Lu, X. Li, L. Liu, L. Zhou, Y.-X. Zheng, W.-W. Zhang, J.-L. Zuo and H. Zhang, *J. Mater. Chem. C*, 2019, 7, 3862–3868.
- 3 G.-Z. Lu, Z.-L. Tu, L. Liu, W.-W. Zhang and Y.-X. Zheng, *J. Mater. Chem. C*, 2019, 7, 7273–7278.

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