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Correction: Fast synthesis of iridium(III) complexes with sulfur-containing ancillary ligand for high-performance green OLEDs with EQE exceeding 31%

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Correction for 'Fast synthesis of iridium(III) complexes with sulfur-containing ancillary ligand for high-performance green OLEDs with EQE exceeding 31%' by Guang-Zhao Lu et al., *J. Mater. Chem. C*, 2019, 7, 7273–7278.

This correction is being published to draw the readers' attention to the authors' closely related papers, previously published in *Chemical Science*,¹ *Journal of Materials Chemistry C*² and *Materials Chemistry Frontiers*,³ which should have been cited in this *Journal of Materials Chemistry C* paper.

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 *Journal of Materials Chemistry C* paper, the authors reported three complexes using the same dithiocarbamate ancillary ligand but with different main ligands, 2-(4-(trifluoromethyl)phenyl)pyridine, 2-(2,4-bis(trifluoromethyl)phenyl)pyridine and 2',6'-bis(trifluoromethyl)-2,4'-bipyridine. In ref. 1 and 2, five complexes were reported where different ancillary ligands were used but with 4-(4-(trifluoromethyl)phenyl)quinazoline as the main ligand. In ref. 3, the authors reported five complexes using 1-(4-(trifluoromethyl)phenyl)isoquinoline as the main ligand and five dithiocarbamate derivatives as ancillary ligands.

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 *Journal of Materials Chemistry C* 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. 1–3.

References

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

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