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Retraction: Nucleophilic iodonium interactions (NIIs) in 2-coordinate iodine(I) and silver(I) complexes

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Retraction of 'Nucleophilic iodonium interactions (NIIs) in 2-coordinate iodine(I) and silver(I) complexes' by Jas S. Ward et al., *Chem. Commun.*, 2021, **57**, 5094–5097, DOI: 10.1039/D1CC01505B.

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We, the named authors, hereby wholly retract this *Chemical Communications* article as, upon reinvestigation, we have found that the originally proposed nucleophilic iodonium interactions (NIIs) for these systems, like argentophilic interactions, are undetectable in solution.

The authors regret and apologize that the spectroscopic changes were misattributed, upon neglecting the equilibrium processes caused by varying moisture contents in the samples. New NMR measurements in dried solvent and the reanalysis of the DFT calculations have revealed that the silver(I)–iodine(I) interaction is, in contrast to the original report, in itself very weakly interactive, and overruled by the average kinetic (thermal) energy and entropy contributions in solution.

Having consulted with an independent expert, the Royal Society of Chemistry has determined that any changes made to the paper to correct this would be major, and therefore that the best course of action is retraction and republication of the article with the correct data. The Royal Society of Chemistry is happy that republication of the work with the correct data and conclusions is appropriate. The republished article reporting the solution studies was peer reviewed and can be found at <https://doi.org/10.1039/D2CC00994C>.

We, the authors, brought this matter to the attention of the Royal Society of Chemistry ourselves, and are happy with the decision to retract and republish this article.

Signed: Jas S. Ward, Antonio Frontera and Kari Rissanen, 23rd March 2022.

Retraction endorsed by Richard Kelly, Executive Editor, *Chemical Communications*.

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