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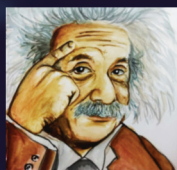
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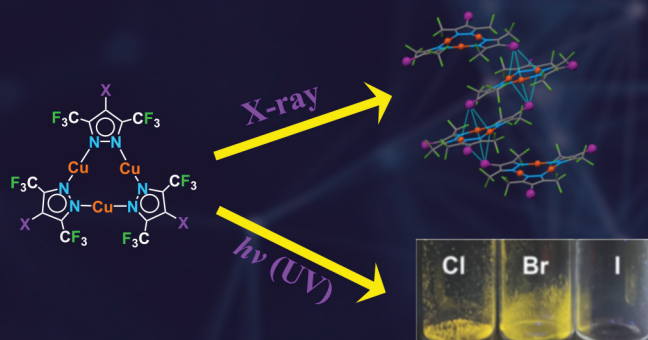
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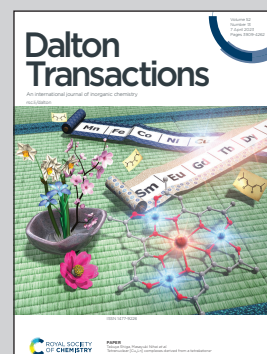
Showcasing research from the groups of Prof. Mohammad Omary (Univ. North Texas) & Prof. Rasika Dias (Univ. Texas, Arlington), USA.

Relativistic modulation of supramolecular halogen/copper interactions and phosphorescence in Cu(I) pyrazolate cyclotrimers

Multi-faceted experimental/computational analyses have substantiated that increasing relativistic effects upon altering 4-X in $\text{Cu}_3[4\text{-X-3,5-(CF}_3)_2\text{Pz}]_3$ to 4-I vs 4-Br/4-Cl analogues results in stronger intertrimer $\text{Cu}\cdots\text{X}$ (double- vs single-capped) and $\text{H}\cdots\text{X}$ supramolecular interactions, and faster phosphorescence decay (albeit non-radiative).

Cover design artist: Danah Omary. Photo credit: Mira Shallah.

As featured in:



See H. V. Rasika Dias, Mohammad A. Omary et al., *Dalton Trans.*, 2023, **52**, 3964.