



Showcasing research from Dr Bishnu Das, Department of Chemical Sciences, Indian Institute of Science Education and Research Kolkata (IISER Kolkata), West Bengal, India. Cover image generated using Google Gemini.

Unveiling mechanistic insights and applications of aggregation-enhanced emission (AEE)-active polynuclear transition metal complexes

This work explores aggregation-enhanced emission in polynuclear transition metal complexes, overcoming aggregation-caused quenching through restricted molecular motion, π - π stacking, and metal-metal interactions, with applications in sensing, bioimaging, PDT, optoelectronics, and security technologies, while enhancing stability, efficiency, and future potential.

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