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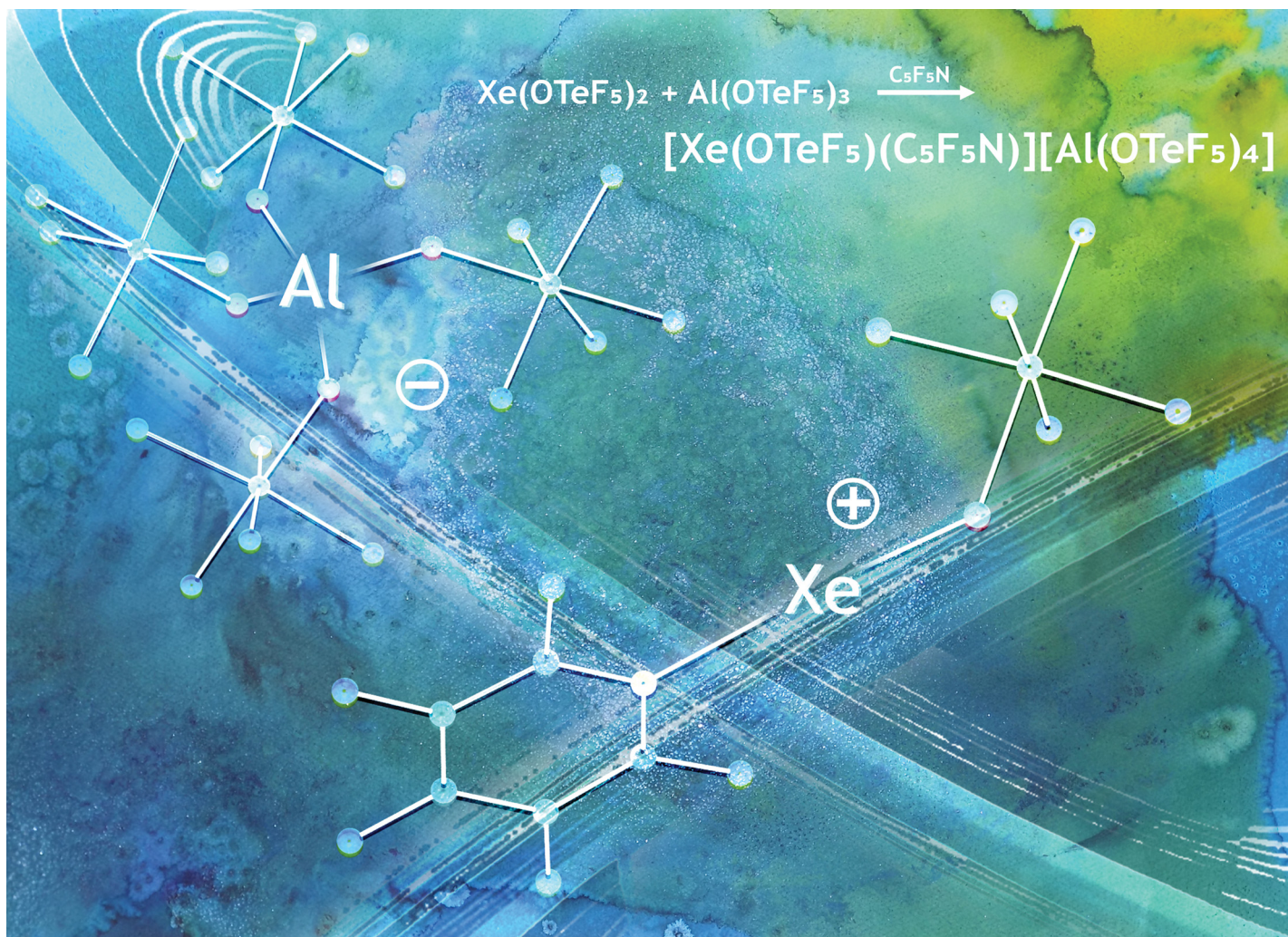
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Showing research from Professor Sebastian Riedel's laboratory, Institute of Chemistry and Biochemistry, Freie Universität Berlin, Germany.

$[\text{Xe}(\text{OTeF}_5)(\text{py}^{\text{F}})]^+$: a strong oxidizing xenonium(II) teflate cation with N-donor bases

We report on the strong oxidizing cations $[\text{Xe}(\text{OTeF}_5)(\text{py}^{\text{F}})]^+$ ($\text{py}^{\text{F}} = \text{C}_5\text{F}_5\text{N}, \text{C}_5\text{H}_3\text{F}_2\text{N}$) obtained as their salts of the weakly coordinating $[\text{Al}(\text{OTeF}_5)_4]^-$ anion. These are the first xenonium cations stabilized by the $[\text{Al}(\text{OTeF}_5)_4]^-$ anion and a new motif in $[\text{XeOTeF}_5]^+$ species.

As featured in:



See Alberto Pérez-Bitrián, Sebastian Riedel *et al.*, *Chem. Commun.*, 2024, **60**, 1711.