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Inside Cover

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The controlled reducibility of coordinatively unsaturated iron sites in MIL-100(Fe), $[\text{Fe}_3\text{O}(\text{H}_2\text{O})_2\text{F}_{0.81}(\text{OH})_{0.19}\{\text{C}_6\text{H}_3(\text{CO}_2)_3\}_2] \cdot 14.5\text{H}_2\text{O}$, is described by J.-S. Chang and co-workers in their Communication on page 5949 ff. Thermal activation of MIL-100(Fe) generates coordinatively unsaturated sites with mixed-valence $\text{Fe}^{\text{II}}/\text{Fe}^{\text{III}}$, leading to preferential sorption selectivity towards unsaturated gas molecules such as propylene.

