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Title:	Redox noninnocence of the formazanate ligand applied to catalytic formation of α -ketoamides
Authors:	Singh, Vikramjeet (/jspui/browse?type=author&value=Singh%2C+Vikramjeet) Kundu, Abhishek (/jspui/browse?type=author&value=Kundu%2C+Abhishek) Singh, Kirti (/jspui/browse?type=author&value=Singh%2C+Kirti) Adhikari, Debashis (/jspui/browse?type=author&value=Adhikari%2C+Debashis)
Keywords:	α -ketoamides Ligands
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Abstract:	The formazan ligands have been investigated as redox-noninnocent backbones for a long time. Despite their well-established behaviour as redox reservoirs, the demonstration of catalytic efficiency governed by redox noninnocence remains elusive. We report an iron-formazanate molecule for efficiently preparing α -keto amides, where a crucial reductive cleavage of the substrate molecule is tightly regulated by the electron donation from the formazanate, in a reversible manner.
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