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Title:	One-Pot Trimetallic Relay Catalysis: A Unified Approach for the Synthesis of β -Carbolines and Other [c]-Fused Pyridines
Authors:	Dhiman, Seema (/jspui/browse?type=author&value=Dhiman%2C+Seema) Mishra, U.K. (/jspui/browse?type=author&value=Mishra%2C+U.K.) Ramasastri, S.S.V. (/jspui/browse?type=author&value=Ramasastri%2C+S.S.V.)
Keywords:	Azides β -carbolines Lewis acids Relay catalysis Transition metals
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Abstract:	A divergent strategy is presented for the synthesis of 1,3-di- and 1,3,4-trisubstituted β -carbolines through an unprecedented one-pot triple-orthogonal-metal relay catalysis, and 1,3-disubstituted 4-hydroxy- β -carbolines through a one-pot bimetallic relay catalysis from readily accessible 3-(2-aminophenyl)-5-hexenyn-3-ols. These strategies were elaborated to enable the synthesis of benzofuro[2,3-c]pyridines, benzothieno[2,3-c]pyridines, and isoquinolines, which otherwise require multistep synthesis.
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