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Title:	Synthesis of polysubstituted cyclopenta[b]indoles via relay gold(i)/Brønsted acid catalysis
Authors:	Dhiman, Seema (/jspui/browse?type=author&value=Dhiman%2C+Seema) Ramasastry, S.S.V. (/jspui/browse?type=author&value=Ramasastry%2C+S.S.V.)
Keywords:	Synthesis polysubstituted cyclopenta[b] gold(i)/Brønsted acid
Issue Date:	2015
Publisher:	Royal Society of Chemistry
Citation:	Chemical Communications, 51(3) pp. 557-560.
Abstract:	An efficient relay catalytic process involving Au(I)/Brønsted acid to access various polysubstituted cyclopentannulated indoles from easily accessible 1-(2-aminophenyl)prop-2-ynols and readily available 1,3-dicarbonyls has been developed. In an unprecedented event, the intermediate 2-indolylmethyl cations undergo the cation-Ene reaction with various 1,3-dicarbonyls followed by an intramolecular Friedel–Crafts-type reaction generating functionalized cyclopenta[b]indoles.
URI:	https://pubs.rsc.org/en/content/articlelanding/2015/cc/c4cc08174a#!divAbstract (https://pubs.rsc.org/en/content/articlelanding/2015/cc/c4cc08174a#!divAbstract) http://hdl.handle.net/123456789/3020 (http://hdl.handle.net/123456789/3020)
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