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Title:	Highly sensitive explosive sensing by "aggregation induced phosphorescence" active cyclometalated iridium(III) complexes
Authors:	Choudhury, A.R. (/jspui/browse?type=author&value=Choudhury%2C+A.R.)
Keywords:	phosphorescent complexes [Ir(o-CHOppy)(PPh ₃) ₂ (H)Cl] (1) [Ir(ppy)(PPh ₃) ₂ (H)Cl] (2) cyclometalated iridium(III) complexes
Issue Date:	2015
Publisher:	Royal Society of Chemistry
Citation:	Journal of Materials Chemistry C, 3(21) pp. 5450-5456
Abstract:	Two phosphorescent complexes [Ir(o-CHOppy)(PPh ₃) ₂ (H)Cl] (1) and [Ir(ppy)(PPh ₃) ₂ (H)Cl] (2) exhibiting 'aggregation induced phosphorescent emission (AIPE)' properties have been found to be very sensitive to the detection of picric acid (PA). The detection limit for PA has been checked and was found to be 264 nM and 65 nM for complexes 1 and 2, respectively
Description:	Only IISERM authors are available in the record.
URI:	https://pubs.rsc.org/en/content/articlelanding/2015/tc/c5tc00963d#!divAbstract (https://pubs.rsc.org/en/content/articlelanding/2015/tc/c5tc00963d#!divAbstract) http://hdl.handle.net/123456789/2874 (http://hdl.handle.net/123456789/2874)
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