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Title:	New perylene-based non-conventional discotic liquid crystals†
Authors:	Gupta, Satyam Kumar (/jspui/browse?type=author&value=Gupta%2C+Satyam+Kumar) Setia, S. (/jspui/browse?type=author&value=Setia%2C+S.) Sidiq, S. (/jspui/browse?type=author&value=Sidiq%2C+S.) Gupta, Monika (/jspui/browse?type=author&value=Gupta%2C+Monika) Pal, S.K. (/jspui/browse?type=author&value=Pal%2C+S.K.)
Keywords:	synthesis Optical properties Thermal behaviour
Issue Date:	2013
Publisher:	Royal Society of Chemistry
Citation:	RSC Advances, 3(30), pp.12060-12065.
Abstract:	The synthesis, optical properties and thermal behaviour of three novel non-conventional 3,4,9,10-tetrasubstituted perylene-based discotic oligomers are reported for the first time consisting of a perylene core attached to which are four 4-cyanobiphenyl, triphenylene and cholesteryl units via flexible alkyl spacers. All the oligomers self-assemble into a mesophase and exhibit excellent fluorescence emission properties making them suitable for various opto-electronic applications.
Description:	Only IISERM authors are available in the record.
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