

Corrigendum

Corrigendum: Pico-ampere current sensitivity and CdSe quantum dots assembly assisted charge transport in ferroelectric liquid crystal (2017 *J. Phys. D: Appl. Phys.* **50** 325301)

Dharmendra Pratap Singh^{1,2} , Yahia Boussoualem¹, Benoit Duponchel¹, Abdelhak Hadj Sahraoui¹, Sandeep Kumar³, Rajiv Manohar² and Abdelylah Daoudi¹

¹ Unité de Dynamique et Structure des Matériaux Moléculaires, EA 4476, Université du Littoral Côte d'Opale, F-59140 Dunkerque, France

² Department of Physics, Liquid Crystal Research Lab, University of Lucknow, Lucknow 226007, India

³ Raman Research Institute, Bangalore 560080, India

E-mail: dpsr4u@gmail.com and Dharmendra.singh@univ-littoral.fr

Received 3 September 2018

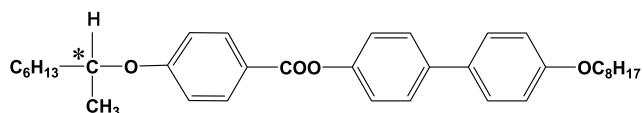
Accepted for publication 19 September 2018

Published 8 October 2018

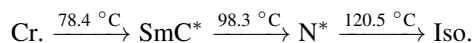


In our previous article [1], we reported a ferroelectric liquid crystal (FLC) material and its assembly with CdSe quantum dots (QDs) to disclose the charge transport characteristics of the FLC-QDs composites. We regret a mistake in the IUPAC name of the FLC material. The correct IUPAC name of the FLC material should be read as 4'-(octyloxy)-[1,1'-biphenyl]-4-yl 4-(heptan-2-yloxy)benzoate [2, 3] instead of 4-(1-methyl-heptyloxy)-benzoic acid 4'-octyloxy-biphenyl-4-yl ester. The authors apologize for any inconvenience caused.

The chemical structure and phase sequence of the investigated FLC material is shown below:



4'-(octyloxy)-[1,1'-biphenyl]-4-yl 4-(heptan-2-yloxy)benzoate



where Cr, SmC*, N* and Iso stand for the crystal, chiral smectic C, chiral nematic and isotropic phase of the material.

Acknowledgments

D P S is thankful to CEFIPRA and Campus France for Raman-Charpak fellowship in France.

ORCID iDs

Dharmendra Pratap Singh  <https://orcid.org/0000-0001-6949-6110>

References

- [1] Singh D P, Boussoualem Y, Duponchel B, Sahraoui A H, Kumar S, Manohar R and Daoudi A 2017 *J. Phys. D: Appl. Phys.* **50** 325301
- [2] Singh D P, Visvanathan R, Duncan A E, Duponchel B, Boussoualem Y, Kumar S, Clark N A, Blach J F, Douali R and Daoudi A 2018 *Liq. Cryst.* (<https://doi.org/10.1080/02678292.2018.1502371>)
- [3] Singh D P *et al* 2018 *New J. Chem.* (<https://doi.org/10.1039/C8NJ02985G>)