

Integrated and Topological Liquid Crystal Photonics

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ABSTRACT:

This contribution is a personal view of the rapidly developing subfield of nematic colloids, with an emphasis on possible applications of these materials in future photonic microdevices. A brief overview of the most important phenomena, observed in the past decade in nematic colloids is given. It is explained why integrated photonics based on microstructured liquid crystals is feasible and future challenges towards the realization of integrated liquid crystal microphotonics are discussed.

REFERENCES (16 pt bold)

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