

Investigation of photoluminescent semiconductor quantum dots synthesized by direct laser patterning

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The growing demand for better-performing lighting sources in the global microdisplay market drove the scientific community's attention to the production of inorganic semiconductor nanocrystals, namely quantum dots (QDs). In this contribution, the authors focus on the study of the formation of QDs starting from metallo-organic precursors directly within a polymeric matrix by direct laser patterning (DLP) processes.