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## **Electrochemical deposition of zinc oxide nanostructures into porous silicon template**

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Аннотация : In this paper, we describe an regular matrix of zinc oxide (ZnO) from nonaqueous solution into regular matrix of porous silicon (PS) formed in pulsed galvanostatic mode. Influence of porous silicon matrix is studied. The role of current density during ZnO electrochemical deposition in the poros silicon pores filing process is also described.

Ключевые слова : zinc oxide, porous silicon, electrochemical deposition, scanning electron microscopy, photoluminescence.