

عنوان مقاله:

Synthesis and Characterization of p+ Porous Silicon Layers for Optical Waveguide Applications

محل انتشار:

سومین کنفرانس مهندسی فوتونیک ایران (سال: 1389)

تعداد صفحات اصل مقاله: 4

نویسندگان:

A Shokrollahi

M Zare

F.E Seraji

خلاصه مقاله:

Using porous silicon is an attractive preposition for making optical waveguides because of its porosity controllability which leads to tuneable refractive indices. In this study, we prepared a series of p+ porous silicon samples electrochemically at different conditions. Then we investigated the effect of fabrication parameters on the morphology and structural features of fabricated PS layers by FESEM and AFM analysis. The observed relationships among the .fabrication parameters, geometry and morphology were discussed, and a simplified model is suggested

کلمات کلیدی:

AFM, FESEM, Morphology, Optical Waveguides, Porous Silicon

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/105650>

