Porous silicon nanostructures and its applications

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The talk will give a review of the ongoing research in the Autonomous state university of Morelos in Mexico in the field of structural and optical properties of nanostructured porous silicon (PS) photonic devices such as Bragg stack, rugate filter or a quasi periodic multilayered stack for various applications. The main attraction of working on the porous silicon nanostructure is due to its inexpensive fabrication (technology for developing countries!!) and its biocompatible nature which has extended this material for biomedical applications such as cancer therapy, targeting tumors and drug delivery etc.

References


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