Sol-gel coatings for photolithography on nanoporous anodic alumina and aluminum

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Abstract: The results of the patterned microstructures fabrication through electrochemical anodizing, sol-gel synthesis, photolithography and chemical etching are presented. The continuous xerogel films were used as a protective mask. They are good alternative to metal in photolithography. Perspectives of application of these structures in planar optoelectronics are discussed.

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