

PHOTO-, ELECTRO- AND
CATHODOLUMINESCENCE OF POROUS
SILICON

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S u m m a r y

The features of photoluminescence and electroluminescence in contact with oxide electrolyte as well as features of cathodoluminescence of porous silicon are investigated. The temporal evolution of electroluminescence of porous silicon is studied. We have also investigated cathodoluminescence from porous silicon at room temperature and the temperature of liquid nitrogen. The experimental results obtained confirm the presence of different radiation centers in porous silicon: with fast and slow kinetics.