

Patterning of plasmonic structures for (bio) sensing

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Confining light to the nanoscale Implementing a nanostructured biosensor Fabrication Characterisation

Enhancing light-matter interaction













































Summary

Localised surface plasmons are ideal candidates to be used as biosensors Random arrangements of gold nanoparticles can achieve competitive sensitivity Sensitivity and accuracy can be

significantly improved by using lithographically patterned samples

