Bi-metallic nanosensor chips for surface plasmon resonance systems

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PROJECT DESCRIPTION:
Bimetallic silver/gold sensor chips are attractive since they combine the advantages of both silver and gold layers. Bimetallic nanosensor chips with high sensitivity were developed by improving surface quality of glass slides and optimizing film thickness. Higher sensitivity and narrower response curves for SPR biosensors are achieved by improving surface quality of glass slides. Sensitivity performance of the bimetallic sensor chips degrades with the aging time.

Selected publications in the area: