

Our new paper in journal of optical and quantum electronics

Congratulations to our new paper "Bio-compatible and highly sensitive two-dimensional plasmonic sensor " by A.S. Nasiri, S. M. Hamidi

We propose a novel bio-compatible two dimensional plasmonic sensor with array of ring and the hole structure on an optically thick gold film for biochemical sensing. We use finite-difference time-domain simulation for design and calculation of sensitivity in the Near-Infrared Region. The bio-compatible and cheap plasmonic Glycerol sensor with high sensitivity by interferometer style as a motif in the sensor's structure. The proposed sensor can be applied as highly sensitivity sensor with a good linear response under different glycerol concentrations.



