

New Neuroplasmonic Sensor Based on Soft Nanolithography

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Abstract : New neuro plasmonic sensor based on one dimensional plasmonic nano-grating has been prepared. To record neural activity, the sample has been exposed under different infrared laser and then has been calculated by ellipsometry parameters. Our results show that we have efficient sensitivity to different laser excitation.

Keywords : neural activity, Plasmonic sensor, Nanograting, Gold thin film

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