Optical sensors from electrohydrodynamic jetted polymer fiber resonators

Optical sensors from electrohydrodynamic jetted polymer fiber resonators

Electrohydrodynamic jetting is used to manufacture dye-doped polymer fiber resonators. We present comb-like laser emission from different polymer/dye combinations and report the use of these structures as sensitive detection of ethanol and methanol.

General information
State: Published
Organisations: Department of Micro- and Nanotechnology, Optofluidics, National Food Institute, Research group for Nano-Bio Science, Center for Nanostructured Graphene, Karlsruhe Institute of Technology
Number of pages: 2
Publication date: 2016