Dynamic characterization of silicon nanowires using a terahertz optical asymmetric demultiplexer-based pump-probe scheme

Dynamic phase and amplitude all-optical responses of silicon nanowires are characterized using a terahertz optical asymmetric demultiplexer (TOAD) based pump-probe scheme. Ultra-fast recovery is observed for moderate pump powers.

General information
State: Published
Organisations: Department of Photonics Engineering, High-Speed Optical Communication, Nanophotonic Devices, University College Cork
Publication date: 2012

Host publication information
Title of host publication: 2012 IEEE Photonics Conference (IPC)
Publisher: IEEE
DOI: 10.1109/IPCon.2012.6358745
Source: dtu
Source-ID: n::oai:DTIC-ART:iel/374655277::24121
Research output: Research - peer-review : Article in proceedings – Annual report year: 2012