

五、研究成果目錄：(一)論文及著述

A.期刊論文

1. J.W.Lin and S.Y.Shaw, "The potential of CO₂ laser photoacoustic spectrometry for detection of methanol in alcoholic beverage," Appl. Phys. B, accepted for publication, 2008. (SCI)
2. H.C.Chui, M.S.Ko, Y.W.Liu, T.Lin, J.T.Shy, S.Y.Shaw, R.V.Roussev and M.M.Fejer, "Frequency stabilization of a frequency doubled 197.2 THz distributed feedback diode laser," Optics and Laser in Engineering, **44**, 479, 2006. (SCI).
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12. S.Y.Shaw and R.S.Chang, "A novel wide range electrometer with quasilinear

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B.研討會論文

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2. Chung-Yun Hsiao and Sen-Yen Shaw, "Characteristics of grating spectrometer implemented with tilted Littrow configuration," in Proceedings of Optics and

Photonics Taiwan 2006, Taiwan, Dec. 15-16, 2006, EP-021.

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5. 李英志, 林雋文, 蕭憲彥, "藉由電磁驅動Q-開關提升峰值功率之二極體激發 Nd:YVO₄雷射," in Proceedings of Optics and Photonics Taiwan 2004, Taiwan, Dec. 18-19, 2004, PC-SA1-18.
6. Der Yi Hsu, Nan-Kuang Chen, Sien Chi, Sen-Yen Shaw, Jow-Tsong Shy, "Fabrication of long period fiber gratings in silicate glass fiber by CO₂ laser irradiation," in Proceedings of Optics and Photonics Taiwan 2004, Taiwan, Dec. 18-19, 2004, PB-SU1-48.
7. H.C.Chui, M.S.Ko, Y.W.Liu, T.Lin, J.T.Shy, S.Y.Shaw, R.Roussev and M.Fejer, "Iodine-stabilized 1520 nm diode laser for optical fiber communication," Oral Presentation, CMH04-6, Conference on Laser and Electro-Optics 2004, May 16-21, San Francisco, USA.
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C.技術報告

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