

## Publication List

### Journal paper

1. Ru-Pin Pan, Yu-Ping Lan, Chao-Yuan Chen, and Ci-Ling Pan, “ A novel tunable diode laser with liquid crystal intracavity tuning element”, *Mol. Cryst. Liq. Cryst.* 413, pp.499/[2635]-506/[2642] (2004).
2. Yu-Ping Lan, Chao-Yuan Chen, Ru-Pin Pan and Ci-Ling Pan, “ Fine tuning of a diode laser wavelength with a liquid crystal intracavity element”, *Opt. Eng.* 43(15), pp.234-238 (Jan 2004).
3. Yu-Ping Lan, Ru-Pin Pan and Ci-Ling Pan, “ Mode-hop-free fine-tuning of an external cavity diode laser with an intracavity liquid crystal cell”, *Opt. Lett.* 29(5), pp.510-512 (March 2004).
4. Ming-Jay Huang, Ru-Pin Pan, Chia-Rong Sheu, Yu-Ping Lan, Yi-Fan Lai and Ci-Ling Pan, “Multimode Optical Demultiplexer for DWDM with Liquid Crystal Enabled Functionalities,” *IEEE Photon. Technol. Lett.* 16(10), pp.2254-2256 (Oct. 2004).
5. Tsung-Sheng Shih, Yu-Ping Lan, Ru-Pin Pan, and Ci-Ling Pan, “A single-logitudinal-mode semiconductor laser with digital and mode-hop-free fine-tuning mechanisms,” *Optics Express*, 12(26), pp. 6434-6439 (Dec. 2004).
6. Yu-Ping Lan, Yea-Feng Lin, Yu-Tai Li and Ru-Pin Pan, Chao-Kuei Lee, and Ci-Ling Pan, “Intracavity measurement of liquid crystal layer thickness by wavelength tuning of an external cavity laser diode,” submitted to *Optics Express*.

### Conference paper

1. Yu-Ping Lan, Pei-Lin Chen and Ci-Ling Pan, “Frequency stabilization of a DFB laser diode using a fiber Bragg grating,” accepted by *IQEC/CLEO-PR 2005* (July 2005).
2. Yu-Ping Lan, Yi-Fan Lai and Ci-Ling Pan, “Automatically Controlled Power Equalizer for Liquid Crystal Based Optical Demultiplexer,” accepted by *IQEC/CLEO-PR 2005* (July 2005).
3. Yu-Ping Lan, Tsung-Sheng Shih, Ru-Pin Pan, and Ci-Ling Pan, “A WDM channel selectable diode laser with with a mode-hop-free fine-tuning mechanisms,” *CLEO/QELS 2005*, Technical Digest JTuC88 (May 2005).
4. Yu-Ping Lan, Ru-Pin Pan and Ci-Ling Pan, “Mode-hop-free fine-tuning of an external cavity diode laser,” 2004 物理學會年會，物理雙月刊 26(1), p.91 (Feb. 2004).
5. Yu-Ping Lan, Ru-Pin Pan and Ci-Ling Pan, “Optical Demultiplexer for DWDM with Liquid Crystal Enabled Functionalities,” 2004 物理學會年會，物理雙月刊 26(1), p.242 (Feb. 2004).

6. Yu-Ping Lan, Tsung-Sheng Shih, Ru-Pin Pan, and Ci-Ling Pan, “Electronically Tuned Multi-wavelength External-Cavity Diode Lasers,” Optics and Photonics Taiwan’03, Proceedings II, pp. 348-350 (Dec. 2003).
7. Yu-Ping Lan, Ru-Pin Pan, and Ci-Ling Pan, “Mode-hop-free tuning of an external-cavity tunable diode laser with an intracavity liquid crystal tuning element,” Optics and Photonics Taiwan’02, Proceedings I, pp. 166-168 (Dec. 2002).
8. 許雅玲, 藍玉屏, 傅永貴, 趙如蘋, 潘犀靈, “可調單波長及多波長外腔半導體雷射,” Optics and Photonics Taiwan’01, Proceedings I, pp. 195-197 (Dec. 2001).

### Patent

1. 潘犀靈, 趙如蘋, 藍玉屏, “具數位及無跳模連續微調波長機制之多波長外腔雷射系統,” TW patent, no. 223484 (Nov. 2003).
2. Ci-Ling Pan, Ru-Pin Chao, and Yu-Ping Lan, “A Multi-Wavelength External-Cavity Laser With Digital And Mode-Hop-Free Fine Tuning Mechanisms,” apply for US patent (Nov. 2003).
3. 潘犀靈, 趙如蘋, 黃銘杰, 藍玉屏, “具多種功能之電控液晶式可調光多工器及光解多工器,” apply for TW patent (2004).

