

PUBLICATION LIST

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(A) Journal Papers (updated July, 2011)

1. Chia-Yu Chang, Likarn Wang, Jow-Tsong Shy, Chu-En Lin, and Chien Chou," Sensitive Faraday rotation measurement with auto-balanced photodetection," Review of Scientific Instruments, 82, 063112 (2011). IF: 1.598, **SCI(19/61)**
2. Yeng-Cheng Hu, Ming-Hui Chiu, Likarn Wang, and Jing-Long Tsai," Efficiency Improvement of Silicon Solar Cells by Nitric Acid Oxidization," Japanese Journal of Applied Physics, 49, pp.022301-1-4 (2010). **SCI**
3. Y. J. Chiang, C. S. Hsiao, and Likarn Wang," Optimization of Erbium-Doped Fiber MOPA Laser," Optics Communications, 283, pp.1055-1058 (2010). **SCI**
4. Chin-Feng Su, Likarn Wang, Shien-Kuei Liaw and Yu-Sing Huang," A Colorless WDM-PON System Using Multi-Wavelength Light Sources for Optically-Injection-Locked Transmitters," Optical Fiber Technology, 16, pp.1-4 (2010). **SCI**
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6. S. K. Liaw, S. Wang, C. S. Shin, N. K. Chen, K. C. Hsu, A. Manshina, Y. Tver'yanovich, C.F. Su , and L. K. Wang," Single-Longitudinal-Mode Linear-Cavity Fiber Laser Using Multiple Subring -Cavities," Laser Physics, vol. 20, no. 7, pp. 1608–1611(2010).
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9. Hsuan-Jen Chen, Likarn Wang, and W. F. Liu," Temperature-insensitive fiber Bragg grating tilt sensor," Applied Optics, vol.47, pp.556-560 (2008). **SCI (3/0)**
10. S. M. Wang, Y. J. Chiang and Likarn Wang," New Structure for Multipoint Temperature-Independent Strain Sensing System Employing Optical Power Detection Scheme," Optical Fiber Technology, vol.14, pp.167-171 (2008) . **SCI**
11. C. S Hsiao, Y. J. Chiang, Likarn Wang and Wen-Wei Lin," A Semi-Analytic

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12. Chin-Feng Su and Likarn Wang,” Gain enhancement of L-band EDFA by using residual pump power in a three-stage configuration,” *Optics Communications* ,vol.280, pp.412-416(Dec.2007).**SCI** (3/0)
 13. H.S. Lu, Y.J. Chiang, Likarn Wang,” Photonic Crystal Based Optical Add/Drop Multiplexer Using Narrow-Band Reflection Filters,” *Japanese Journal of Applied Physics*, vol.46, pp.6898-6902 (2007) **SCI**
 14. C.L. Chang, Likarn Wang and Y. J. Chiang,”A Dual Pumped Double-Pass L-Band EDFA with High Gain and Low Noise,” *Optics Communications*, vol.267, pp.108-112 (2006). **SCI** (7/0)
 15. Y.S. Hsu, Likarn Wang , Wen-Fung Liu and Y.J. Chiang,” Temperature Compensation of Optical Fiber Bragg Grating Pressure Sensor,” *IEEE Photonics Technology Letters*, vol. 18, pp.874-876,(2006). **SCI (13/0)**
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(B) Patent (updated December 2011)

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(已核準, 公告編號 5 4 2 8 9 9) 及美國專利 (美國專利號碼: US 6829397 B2; Date of patent: Dec. 7, 2004)

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(4) 巫勇賢,王立康,選擇性射極太陽能電池的製程(已申請專利中,美國、台灣、中國大陸,2009,2010)

(5) 王立康,以印刷塗佈形成遮罩而製作埋藏式電極太陽能電池之方法以及該太陽能電池(已申請台灣專利中,2009),申請案號 098131013,公開號 201110372

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