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所有發表期刊論文

1. Wu, C. T., Tsai, M. T., & Lee, C. K. (2014). Two-Level Optical Coherence Tomography Scheme for Suppressing Spectral Saturation Artifacts. *Sensor*, 14(8), 13548-13555.
1. Meng-Tsan Tsai*, **Cheng-Kuang Lee**, Feng-Yu Chang, June-Tai Wu, Chung-Pu Wu, Ting-Ta Chi, and Chih-Chung Yang, "Noninvasive imaging of heart chamber in Drosophila with dual-beam optical coherence tomography," *J. Biophotonics*, 6, 708-717 September 2013. DOI: 10.1002/jbio.201200164 (SCI) (Selected as the journal cover page)
2. Meng-Tsan Tsai, **Cheng-Kuang Lee**, Kung-Min Lin, Yu-Xiang Lin, Tzu-Han Lin, Ting-Chia Chang, Jiann-Der Lee, Hao-Li Liu*, " Quantitative observation of focused-ultrasound-induced vascular leakage and deformation via fluorescein angiography and optical coherence tomography," *Journal of Biomedical Optics*, Vol. 18, No. 10, p. 101307-1~7, 28 June 2013. DOI: 10.1117/1.JBO.18.10.101307 (SCI)
3. **Cheng-Kuang Lee**, Meng-Tsan Tsai*, Feng-Yu Chang, Chih-Hsun Yang, Su-Chin Shen, Ouyang Yuan and Chih-He Yang, "Evaluation of moisture-related attenuation coefficient and water diffusion velocity in human skin using optical coherence tomography," *Sensors*, Vol. 13, p. 4041~4050, 25 March 2013. DOI 10.3390/s130404041 (SCI)
4. Meng-Tsan Tsai*, Jiann-Der Lee, Ya-Ju Lee, **Cheng-Kunag Lee**, Hong-Li Jin, Feng-Yu Chang, Kwang-Yu Hu, Chung-Pu Wu, Chung-Ping Chiang, and C. C. Yang, "Differentiation of oral precancerous stages with optical coherence tomography based on the evaluation of optical scattering property," *Laser Physics* 23, 045602 2013. (SCI)
5. Meng-Tsan Tsai*, **Cheng-Kuang Lee**, Feng-Yu Chang, June-Tai Wu*, Chung-Pu Wu, Ting-Ta Chi, and C. C. Yang*, "Noninvasive imaging of heart chamber in

- Drosophila* with dual-beam optical coherence tomography,” *Journal of Biophotonics*, Vol. 6, No. 9, p. 708-17, 29 November 2012. DOI 10.1002/jbio.201200164 (SCI)
6. **Cheng-Kuang Lee**, Ting-Ta Chi, Chiung-Ting Wu, Meng-Tsan Tsai, Chun-Pin Chiang, and Chih-Chung (C. C.) Yang*, “Diagnosis of oral precancer with optical coherence tomography,” *Biomedical Optics Express*, Vol. 3, No. 7, p. 1632~1646, 1 July 2012. (SCI)
 7. Meng-Tsan Tsai*, **Cheng-Kuang Lee**, Feng-Yu Chang, June-Tai Wu, Chung-Pu Wu, Ting-Ta Chi, and Chih-Chung Yang, “Noninvasive imaging of heart chamber in *Drosophila* with dual-beam optical coherence tomography,” *J. Biophotonics*, 6, 708-717 September 2013. DOI: 10.1002/jbio.201200164 (SCI) (Selected as the journal cover page)
 8. Ting-Ta Chi, Cheng-Kuang Lee, Chiung-Ting Wu, C. C. Yang*, Meng-Tsan Tsai, and Chun-Ping Chiang, “Motion-insensitive optical coherence tomography based micro-angiography,” *Optics Express*, Vol. 19, No. 27, p. 26117~26131, 19 December 2011. (SCI)
 9. Meng-Tsan Tsai*, Feng-Yu Chang, Cheng-Kuang Lee, Ting-Ta Chi, Kai-Min Yang, Lian-Yu Lin, June-Tsai Wu, and C. C. Yang, “Observations of Cardiac Beating Behaviors of Wild-type and Mutant *Drosophilae* with Optical Coherence Tomography,” *Journal of Biophotonics*, Vol. 4, No. 9, p. 610~618, September 2011. (SCI)
 10. Meng-Tsan Tsai*, Ting-Ta Chi, Hao-Li Liu, Feng-Yu Chang, Chih-Hsun Yang, Cheng-Kuang Lee, and C. C. Yang, “Microvascular imaging using swept-source optical coherence tomography with single-channel acquisition,” *Applied Physics Express*, Vol. 4, No. 9, p. 097001-1~3, 12 August 2011. (SCI)
 11. Shou-Yen Wu, Wen-Ming Chang, Hung-Yu Tseng, Cheng-Kuang Lee, Ting-Ta Chi, Jyh-Yang Wang, Yean-Woei Kiang*, and C. C. Yang*, “Geometry for Maximizing Localized Surface Plasmon Resonance of Au Nanorings with

- Random Orientations,” *Plasmonics*, Vol. 6, No. 3, p. 547~555, September 2011. (SCI)
12. Chiung-Ting Wu, Ting-Ta Chi, Cheng-Kuang Lee, Yean-Woei Kiang, C. C. Yang*, and Chun-Ping Chiang, “Method for Suppressing the Mirror Image in Fourier-domain Optical Coherence Tomography,” *Optics Letters*, Vol. 36, No. 15, p. 2889~2891, 1 August 2011. (SCI)
13. Cheng-Kuang Lee, Hung-Yu Tseng, Chia-Yun Lee, Shou-Yen Wu, Ting-Ta Chi, Kai-Min Yang, Han-Yi Elizabeth Chou, Meng-Tsan Tsai, Jyh-Yang Wang, Yean-Woei Kiang, Chun-Pin Chiang, and C. C. Yang*, “Characterizing the localized surface plasmon resonance behaviors of Au nanorings and tracking their diffusion in bio-tissue with optical coherence tomography,” *Biomedical Optics Express*, Vol. 1, No. 4, p.1059~1073, 1 November 2010. Also selected to publish in *Spotlight on Optics*, an OSA feature that highlights select articles each month from the OSA flagship journals.
14. Hung-Yu Tseng, Cheng-Kuang Lee, Shou-Yen Wu, Ting-Ta Chi, Kai-Min Yang, Jyh-Yang Wang, Yean-Woei Kiang*, C. C. Yang*, Meng-Tsan Tsai, Yang-Che Wu, Han-Yi E. Chou, and Chun-Pin Chiang, “Au Nanorings for Enhancing Absorption and Backscattering Monitored with Optical Coherence Tomography,” *Nanotechnology*, Vol. 21, No. 29, p. 295102-1~9, 23 July 2010. (SCI)
15. Cheng-Kuang Lee, Meng-Tsan Tsai, Hsiang-Chieh Lee, Yih-Ming Wang, Hsin-Ming Chen, Chun-Pin Chiang, and C. C. Yang*, “Diagnosis of Oral Submucous Fibrosis with Optical Coherence Tomography,” *Journal of Biomedical Optics*, Vol. 14, No. 5, p. 054008-1~7, 22 September 2009. (SCI)
16. Meng-Tsan Tsai, Cheng-Kuang Lee, Hsiang-Chieh Lee, Hsin-Ming Chen, Chun-Pin Chiang, Yih-Ming Wang, and C. C. Yang*, “Differentiating oral lesions in different carcinogenesis stages with optical coherence tomography,”

Journal of Biomedical Optics, Vol. 14, No. 4, p. 044028-1~7, 7 August 2009.
(SCI)

17. Meng-Tsan Tsai, Hsiang-Chieh Lee, Cheng-Kuang Lee, Chuan-Hang Yu, Hsin-Ming Chen, Chun-Pin Chiang, Cheng-Chang Chang, Yih-Ming Wang, and C. C. Yang*, "Effective indicators for diagnosis of oral cancer using optical coherence tomography," Optics Express, Vol. 16, No. 20, p. 15847~15862, 22 September 2008. (SCI)

18. Meng-Tsan Tsai, Hsiang-Chieh Lee, Chih-Wei Lu, Yih-Ming Wang, Cheng-Kuang Lee, C. C. Yang*, and Chun-Ping Chiang, "Delineation of an Oral Cancer Lesion with Swept-source Optical Coherence Tomography," Journal of Biomedical Optics, Vol. 13, No. 4, p. 044012-1~6, 8 August 2008. Also published in the August 15, 2008 issue of Virtual Journal of Biological Physics Research. (SCI)

19. Chih-Wei Lu, Cheng-Kuang Lee, Meng-Tsan Tsai, Yih-Ming Wang, and C. C. Yang*, "Measurement of the Hemoglobin Oxygen Saturation Level with Spectroscopic Spectral-domain Optical Coherence Tomography," Optics Letters, Vol. 33, No. 5, p. 416~418, 1 March 2008. (SCI)

20. Cheng-Kuang Lee, Chia-Wei Sun, Po-Lei Lee, Hsiang-Chieh Lee, C. C. Yang, Cho-Pei Jiang, Yuh-Ping Tong, Tzu-Chen Yeh, and Jen-Chuen Hsieh, "Study of photon migration with various source-detector separations in near-infrared spectroscopic brain imaging based on threedimensional Monte Carlo modeling," Optics Express, Vol. 13, No. 21, p. 8339~8348, 17 October 2005.
(SCI)