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所有發表期刊論文

[A] Selected Referred SCI paper

1. Shih-Ting Yang, Jiann-Der Lee, Tzyh-Chyang Chang, Chung-Hsien Huang, Jiun-Jie Wang, Wen-Chuin Hsu, Hsiao-Lung Chan, Yau-Yau Wai, and Kuan-Yi Li, "Discrimination between Alzheimer Disease and Mild Cognitive Impairment Using SOM and PSO-SVM," *Computational and Mathematical Methods in Medicine*, Article ID 253670, 10 pages, 2013. (SCI)
2. Meng-Tsan Tsai, **Jiann-Der Lee**, Ya-Ju Lee, Hong-Li. Jin, Feng-Yu Chang, Kwang-Yu Hu, C.-P. 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, no. 4, pp. 045602, 2013. (SCI)
3. **Jiann-Der Lee**, Yaw-Hwang Chiou, and Jing-Ming Guo, "Lossless Data Hiding for VQ Indices Based on Neighboring Correlation," *Information Science*, vol. 221, pp. 419-438, Feb. 2013. (SCI)
4. **Jiann-Der Lee**, Chung-Hsien Huang, Shih-Ting Yang, Yi-Hsuan Chu, Yao Y. Shieh, Jheng-Wei Chen, and Kun-Ju Lin, "MRI/SPECT-based Diagnosis and CT-Guided High-Intensity Focused-Ultrasound Treatment System in MPTP mouse model of Parkinson's disease," *Medical Engineering & Physics*, vol. 35, issue 2, pp. 222-230, 2013. (SCI)
5. Hsiao-Lung Chan, Ju-His Chu, Hon-Chung Fung, Yu-Tai Tsai, Ling-Fu Meng, Chin-Chang Huang, Wen-Chun Hsu, Pei-Kuang Chao, Jiun-Jie Wang, **Jiann-Der Lee**, Yau-Yau Wai, Meng-Tsan Tsai, "Brain connectivity of patients with Alzheimer's disease by coherence and cross mutual information of electroencephalograms during photic stimulation," *Medical Engineering & Physics*, vol. 35, issue 2, pp. 241-252, 2013. (SCI)
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7. Tzyh-Chyang Chang, Chung-Hsien Huang, Chung-Hung Hsieh, Ji-Wei Yang, Shih-Tseng Lee, Chieh-Tsai Wu and **Jiann-Der Lee**, "Interactive Medical

- Augmented Reality System for Remote Surgical Assistance," *Applied Mathematics & Information Science*, vol. 7, no. 1s, pp. 317-325, 2013. (SCI)
8. Chen-Hui Kuo and **Jiann-Der Lee**, "Face Recognition Based on a Two-View Projective Transformation Using One Sample per Subject," *IET Computer Vision*, vol. 6, issue 5, pp. 489-498, 2012. (SCI)
  9. Jing-Ming Guo, Chang-Cheng Su, Yun-Fu Liu, Hua Lee and **Jiann-Der Lee**, "Oriented Modulation for Watermarking in Direct Binary Search Halftone Images," *IEEE Trans. Image Processing*, vol. 21, no. 9, pp. 4117-4127, 2012. (SCI)
  10. Li-Ping Yu, Jian-Chen Guo, Li-Dek Chou, Te-Lun Ma, Jheng-Syong Wu, **Jiann-Der Lee** and Chien Chou, "Polarization-sensitive optical coherence tomography using a modified balance detector," *Journal of Innovative Optical Health Sciences*, vol. 5, no. 4, 2012. (SCI) DOI: 10.1142/S1793545812500241.
  11. Meng-Tsan Tsai, Ya-Ju Lee, Yung-Chi Yao, Che-Yen Kung Feng-Yu Chang, and **Jiann-Der Lee**, "Quantitative phase imaging with swept-source optical coherence tomography for optical measurement of nanostructures," *IEEE Photonics Technology Letters*, vol. 24, no. 8, pp. 640-642, 2012. (SCI)
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24. Chunshien Li, Kuo-Hsiang Cheng, Zen-Shan Chang and **Jiann-Der Lee**, "Hybrid evolutionary soft-computing approach for unknown system identification," *IEICE Trans. Information and System*, vol. E89-D, no. 4, pp. 1440-1449, 2006. (SCI)
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#### [B] Selected Conference paper (2006-2013)

1. **Jiann-Der Lee**, Chun-Yi Lin, Chung-Hsien Huang, "Novel features selection for gender classification," Proceeding of IEEE ICMA 2013. (EI)
2. Li-chang Liu, **Jiann-Der Lee**, Yu-wei Hsu, Carol T. Liu, Ellen Tseng and Meng-tsan Tsai, "A Region Segmentation Method on 2-D Vessel Optical Coherence Tomography Images," Proceeding of 10th International Conference on Fuzzy systems and Knowledge Discovery, 2013. (EI)
3. Ting-Yang Lin, Chung-Hung Hsieh and **Jiann-Der Lee\***, "A Kinect-based System for Physical Rehabilitation: Utilizing Tai Chi Exercises to Improve Movement Disorders in Patients with Balance Ability," Proceeding of Asia Modelling Symposium (AMS) 2013. (EI)
4. **Jiann-Der Lee** and Kuo-Fang Huang, "A Warning System for Obstacle Detection At Vehicle Lateral Blind Spot Area," Proceeding of Asia Modelling Symposium (AMS) 2013. (EI)

5. Li-chang Liu, **Jiann-Der Lee**, Yu-wei Hsu, Scott Tseng, Ellen Tseng and Meng-tsan Tsai, "Vessel segmentation in 2-D optical coherence tomography images," Proceeding of IEEE CME, 2013. (EI)
6. Yun-Fu Liu, Jing-Ming Guo, Bo-Syun Lai and **Jiann-Der Lee**, "High efficient contrast enhancement using parametric approximation," Proceeding of IEEE ICASSP 2013. (EI)
7. Jing-Ming Guo, Yun-Fu Liu, Bo-Syun Lai, Peng-Hua Wang, and **Jiann-Der Lee**, "Classified-filter-based post-compensation interpolation for color filter array demosaicing," Proceeding of IEEE ICASSP 2012, pp. 921-924. (EI)
8. Wei-Chic Huang, Chung-Hung Hsieh, Chung-Hsien Huang, Shin-Tseng Lee , Chieh-Tsai Wu, Yung-Nien Sun, Yu-Te Wu and **Jiann-Der Lee\***, "Augmented Reality Enhanced Image-Guided Surgery System Using CT and Ultrasound Registration for Brain-Shift Estimation," Proceeding of 21<sup>th</sup> International Conference on Artificial Reality and Telexistence, pp. 73-77, Osaka, 2011. (EI)
9. Chung-Hung Hsieh, Chung-Hsien Huang, **Jiann-Der Lee\***, Shih-Tseng Lee, "Estimating Brain-Surface Deformation Using Stereo-Camera and Thin-Plate Spline," Proceeding of 5th International Conference on New Trends in Information Science and Service Science (NISS 2011), 2011. (EI)
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  23. Jing-Ming Guo, Yang-Chen Tian, **Jiann-Der Lee**, "Object matching using hybrid modified RGB color model and HRR-based background detection", Proceeding of IEEE IECON'2008, pp. 2992-2997, 2008. (EI)



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31. **Jiann-Der Lee** and Chen-Hui Kuo, "A Cascade classifier based on SVM, Eigenface, and RANSAC for Face Recognition", Proceeding of Asian Conference Computer Vision 2007, pp. 631-640, 2007. (EI)
32. **Jiann-Der Lee**, Yu-chi Chen, Li-Chang Liu, Chung-Hsien Huang "A Facial-Skin Condition Classification System in Wavelet Domain", Proceeding of IEEE IECON'2007, pp. 2419-2422, 2007. (EI)
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  41. **Jiann-Der Lee**, Tzu-yen Lan, Li-chang Liu, Shin-Tseng Lee, Chien-Tsai Wu, Brain Yang, “A Remote Virtual-Surgery Training and Teaching System,” Proceeding of 3DTV, pp. 1-4, Greece, 2007. (EI)
  42. Chung-Hsien Huang, **Jiann-Der Lee** and Yi-Hsin Weng , “A novel MRI-SPECT registration scheme using eight similarity measures,” Proceeding of IEEE IECON’2006, pp. 3492-3495, Paris, 2006. (EI)

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