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專長1 影像處理

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專長5 訊號處理

專長2 圖形識別

專長4 生態學

教師研究成果資料明細

SCI、SSCI、A&HCI、EI、TSSCI期刊論文

1. 李正宇(Cheng-Yu Lee) ,2006-, (已刊登)

JOURNAL OF WILDLIFE MANAGEMENT 69卷4期:1434頁~1453頁

Geographical Genetics: Conceptual Foundations and Empirical Applications of Spatial Genetic Data in Wildlife Management

非SCI、SSCI、A&HCI、EI、TSSCI...等具審查機制論文

1. 李正宇(Cheng-Yu Lee) ,2010-, (已刊登)

Asian Journal of Arts and Sciences 1卷1期:29頁~41頁

Spatial-Temporal Analysis of Dead Crow Reports Associated with a West Nile Virus Epidemic

研討會論文

1. 李正宇(Cheng-Yu Lee)、李正宇(Cheng-Yu Lee)

2012.06.16~2012.06.17

A Study of EEG signals of Human Visual Responses for Alcoholics using Karhunen-Loeve Transformation

National Symposium on System Science and Engineering

2. 李正宇(Cheng-Yu Lee)、李正宇(Cheng-Yu Lee)

2011.04.22~2011.04.23

An image Correction Method based on Line Correspondence for Perspective Distortion in Barcode Decoding: An Implementation of Industrial PDF417(ISO/IEC15438) 2D Barcode Decoder
International Conference on Advanced Information Technologies

3. 李正宇(Cheng-Yu Lee)、李正宇(Cheng-Yu Lee)

2012.04.27~2012.04.28

A Measurement System for Human Face Orientation Estimation Based on Coefficients of Karhunen-Loeve Transformation
2012 International Conference on Advanced Information Technologies and The Second National Conference on Web Intelligence and Applications

4. 李正宇(Cheng-Yu Lee)、李正宇(Cheng-Yu Lee)

2011.04.22~2011.04.23

Fetal ECG Extraction and Analysis from the Composite Maternal ECG using an Adaptive Noise Canceller
International Conference on Advanced Information Technologies

5.李正宇(Cheng-Yu Lee)、李正宇(Cheng-Yu Lee)

2011.04.22~2011.04.23

A Fast Calibrationless Method for Non-Linear Distortion (Radial Distortion) Correction in Barcode Decoding: An Implementation of Industrial Aztec(ISO/IEC24778) 2D Barcode Decoder
International Conference on Advanced Information Technologies, ICAIT 2012

6.李正宇(Cheng-Yu Lee)、李正宇(Cheng-Yu Lee)

2011.04.22~2011.04.23

A Simple Method for Automatic Compensation of Non-uniform Illumination in Barcode Decoding: An Implementation of Industrial UPC-A (ISO/IEC 15420) Barcode Decoder
International Conference on Advanced Information Technologies, ICAIT 2011

7.李正宇(Cheng-Yu Lee)、李正宇(Cheng-Yu Lee) 2010.07.4 ~2010.07.4

Dynamic Image Measurements of Curves using Stereo 3D Vision Positioning: an Application to Real-Time Human Body Length Measurement
Conference on Information Technology and Industrial Application (ITIA 2010)

8.李正宇(Cheng-Yu Lee)、李正宇(Cheng-Yu Lee)

2010.04.23~2010.04.24

A New Approach for 3D Trajectory Reconstruction of High-Speed Moving Objects using Single Camera
International Conference on Advanced Information Technologies, ICAIT 2010

9.李正宇(Cheng-Yu Lee)、李正宇(Cheng-Yu Lee)

2010.04.23~2010.04.24

Design and Implementation of A Real-Time 3D Trajectory Reconstruction System for High-Speed Moving Objects
International Conference on Advanced Information Technologies, ICAIT 2010

10.李正宇(Cheng-Yu Lee)、李正宇(Cheng-Yu Lee)

2009.04.24~2009.04.24

A New Approach for Image Registration based on Ring Sampling using Edge Vectors as features
International Conference on Advanced Information Technologies, ICAIT 2009

11.李正宇(Cheng-Yu Lee)、李正宇(Cheng-Yu Lee)

2009.06.26~2009.06.26

A New Approach for Human Face Recognition based on Hausdorff Distances and Entropy
2009 National Symposium on System Science and Engineering

12.李正宇(Cheng-Yu Lee)、李正宇(Cheng-Yu Lee)

2009.06.26~2009.06.26

An Approach for Dynamic Image Measurement of the Circumference of Globe-like Objects: An Application to Head Circumference Estimation
2009 National Symposium on System Science and Engineering

13.李正宇(Cheng-Yu Lee)、李正宇(Cheng-Yu Lee)

2009.06.26~2009.06.26

An Approach for Dynamic Image Measurements of Curves: An Application to Human Body Length Measurements
2009 National Symposium on System Science and Engineering

14. (Cheng-Yu Lee) (Cheng-Yu Lee)

李正宇 、李正宇

2008.05.30~2008.05.30

A comparison for the appropriateness of spatial analyses and spatio-temporal analyses: An example of the West-Nile virus epidemic in Detroit, 2002
Conference of Applied Statistics

15.李正宇(Cheng-Yu Lee)、李正宇(Cheng-Yu Lee)

2008.04.26~2008.04.26

An Improved Randomized Circular-like Object Detection Algorithm for Biomedical Applications
Conference of Advanced Information Technology (AIT 2008)

16.李正宇(Cheng-Yu Lee)、李正宇(Cheng-Yu Lee) 2007.12. ~2007.12.

Spatio-Temporal Analyses for the Control and Prevention of Emerging Infectious Diseases: An Example for the West-Nile Virus Outbreak in Detroit, Michigan, USA, 2002

TEPHINET 2007

17.李正宇(Cheng-Yu Lee)、李正宇(Cheng-Yu Lee) 2007.12. ~2007.12.

IEAST: An Integrated Computer Environment for Modelling and Analysis of Spatio-Temporal Biological Processes

National Computer Symposium 2007

18.李正宇(Cheng-Yu Lee)、李正宇(Cheng-Yu Lee) 2007.12. ~2007.12.

Some Improvements on the Procedure of Modelling and Analysis for Space-Time ARMA Models

National Computer Symposium 2007

19.李正宇(Cheng-Yu Lee)、李正宇(Cheng-Yu Lee) 2004.05. ~2004.05.

Space-time statistical modeling and analysis using STARMA models: An application to West Nile virus

IUFRO §4.11 Statistical Methods, Mathematics and Computers. Conference on Applications of Statistics, Information Systems and Computers in Natural Resources Monitoring and Management

20.李正宇(Cheng-Yu Lee)、李正宇(Cheng-Yu Lee) 2010.07.4

~2010.07.4

Face Recognition Based on Gini Features and Karhunen–Loeve Transform

Conference on Information Technology and Industrial Application (ITIA 2010)

專書

1.李正宇(Lee, Cheng-Yu)、 2005.04

Space-Time Modeling and Application to Emerging Infectious Diseases

2.李正宇(李正宇)、 2007.01

Establish predictive time-series models and characterize the space-time interactions of the epidemics of Influenza-like Illness and enterovirus among all cities of Taiwan

3.李正宇(Cheng-Yu Lee) 2012.

電腦視覺與影像處理

專利

1.李正宇(Cheng-Yu Lee)、 、 - ~ -

Software License for "Integrated Environment for Analyzing STARMA Models, IEAST"

指導碩士論文

1. 李正宇 2008

基於環形原理的一種新式比對技術

賴慶霖

2. 李正宇 2008

傳染性疾病傳播之空間分析與時空分析適切性比較：以2002年底特律之西尼羅病毒疫

情為例

林惠君

3. 李正宇 2009

一種以亂度及豪斯多夫距離為基礎的人臉部辨識的方法

洪子傑

4. 李正宇 2009

時間序列分析法-自我回歸模型應用於台灣1999～2008之腸病毒疫情

施惠蘭

5. 李正宇 2009

時間序列自我迴歸模型應用於1998年-2006年臺南市與高雄市登革熱案例之研究

江麗玲

6. 李正宇 2009

基於不均勻度特徵及K-L 轉換之人臉辨識

劉忠榮

7. 李正宇 2009

基於環狀取樣以向量為特徵的新式比對技術

林家均

8. 李正宇 2010

生物辨識之人臉辨識的方法

薛傑仁

9. 李正宇 2010

即時高速運動物體之三維軌跡重建系統之設計與實現

洪晨翔

10. 李正宇 2010

單相機高速運動物體3D軌跡重建的新方法

謝宗倫

11. 李正宇 2011

以自適應消噪濾波器由孕婦心電圖分離並分析胎兒心電圖

陳麒合

12. 李正宇 2011

快速無需校正之非線性畸變修正法於條碼解讀-- 實現工業級二維條

碼Aztec(ISO/IEC24778)解碼器

郭宜忠

13. 李正宇 2011

使用線對應之透視畸變修正法於條碼解讀-- 實現工業級二維條

碼PDF417(ISO/IEC15438)解碼器

陳桓榆

14. 李正宇 2012

人臉方向角與其Karhunen-Loeve轉換特徵係數的數學關係及應用
涂嘉琳