101 年 2 月 通過 學術審查

92 學年度入學 (博七)

A.期刊論文

1. Peng, C.-H., Hsu, J.-T., Chung, Y.-S., **Lin, Y.-J.**, Chow, W.-Y., Hsu, D.F. and Tang, C.Y. (2006/11/27). Identification of degenerate motifs using position restricted selection and hybrid ranking combination. <u>Nucleic Acids Research</u>, <u>Vol. 34</u>, <u>No. 22</u>, p.p.6379 -6391 .[SCI]. (2011 Impact Factor: 7.836, 30/286=10.5%, Subject categories: BIOCHEMISTRY & MOLECULAR BIOLOGY)

2. **Yen Jen Lin**, Ming Li Liou, Wen Chuan Lee, Chuan Yi Tang. PreZon: Prediction by zone and its application to egg productivity in chickens . <u>TheScientificWorldJOURNAL</u> accepted. [SCI]. (2011 Impact Factor: 1.524, 13/59=22%, Subject categories: MULTIDISCIPLINARY SCIENCES)

B.發明專利

1. 劉明麗、唐傳義、**林沿妊**、林志鴻、莊景凱、李文權 (2011/1/1)。<u>禽類產蛋率篩選方法</u>。中華民國發明專利第I 347973 號 。

2. Liou, Ming-Li, Tang, Chuan-Yi, **Lin, Yen-Jen**, Lin, Jyh-Hung, Chuang, Chin-Kai, Lee, Wen-Chuan (2010/10/5-2030/10/5). <u>Poultry Selection Method To Improve The Egg production Rate</u>. US7806079 B2 . (US Patent)

C.會議論文

1. **Yen Jen Lin**, Chun Tien Chang, Chuan Yi Tang, Wen-Ping Hsieh. A simple genotype imputation method. Fifth International Workshop on Intelligent Informatics in Biology and Medicine (IIBM 2012). Palermo, Italy.

D. Poster

1. Chang, C.-T., **Y.-J. Lin**, C.-Y. Tang, and W.-P. Hsieh (2009) Comparison of genotype imputation methods for SNP array data. The 59th annual meeting of the American Society of Human Genetics. Oct. 20-24, Honolulu, USA

2. **Y.-J. Lin**, S.-N. Hsu, C.-Y. Tang, W.-P. Hsieh (2010) CNHap: Copy Number Haplotype Inference With Hidden Markov Model And Localized Haplotype Clustering. The 60th annual meeting of the American Society of Human Genetics. Nov. 2-6, Washington DC, USA

E.已投稿但未被接受

1. **Y.-J. Lin**, S.-N. Hsu, C.-Y. Tang, W.-P. Hsieh HaplotypeCN: Copy number haplotype inference with Hidden Markov Model and localized haplotype clustering (submitted <u>BMC Bioinformatics</u>). [SCI]. (2011 Impact Factor: 3.029, 4/37=11%, Subject categories: MATHEMATICAL & COMPUTATIONAL BIOLOGY)

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Journal

1. **Mike Tian-Jian Jiang**, Tsung-Hsien Lee, and Wen-Lian Hsu. 2012. *The Left and Right Context of a Word: Overlapping Chinese Syllable Word Segmentation with Minimal Context*. ACM Transactions on Asian Language Information Processing (TALIP). [**Ei Compendex; Accepted at 2012/2/12**] {Chapter 1 – 3}

2. **Mike Tian-Jian Jiang**, Chan-Hung Kuo, and Wen-Lian Hsu. 2012. *Using Accessor Variety Features of Source Graphemes in Machine Transliteration of English to Chinese*. Journal of Information Science and Engineering (JISE) [**ISI SCI, Ei Compendex; 2010 Impact Factor=0.270; Invited paper, under preparation until 2012/2/28**] {Chapter 2}

3. **Mike Tian-Jian Jiang**, Cheng-Wei Shih, Ting-Hao Yang, Chan-Hung Kuo, Richard Tzong-Han Tsai and Wen-Lian Hsu. 2012. *Enhancement of Feature Engineering for Conditional Random Fields Learning in Chinese Word Segmentation Using Unlabeled Data*. International Journal of Computational Linguistics and Chinese Language Processing (IJCLCLP). [**THCI Core, Linguistics Abstracts; Invited paper, under review until 2012/?**] {Chapter 5}

4. Cheng-Wei Lee, Min-Yuh Day, Cheng-Lung Sung, Yi-Hsun Lee, **Tian-Jian Jiang**, Chia-Wei Wu, Cheng-Wei Shih, Yu-Ren Chen, and Wen-Lian Hsu. 2008, November. *Boosting Chinese Question Answering with Two Lightweight Methods: ABSPs and SCO-QAT*. ACM Transactions on Asian Language Information Processing, volume 7, issue 4, pages. 12:1-12:29. [**Ei Compendex; Non-self citations: 1**] {Chapter 2}

Conference

1. **Mike Tian-Jian Jiang**, Cheng-Wei Shih, Chan-Hung Kuo, Richard Tzong-Han Tsai and Wen-Lian Hsu. 2011, December. *Evaluation via Negativa of Chinese Word Segmentation for Information Retrieval*. Proceedings of the 25th Pacific Asia Conference on Language Information and Computing (PACLIC 25). [**ISI CPCI, ACL Anthology; Acceptance rate=40% (oral), 20% (overall)**] {Chapter 4}

2. **Mike Tian-Jian Jiang**, Wen-Lian Hsu, Chan-Hung Kuo, and Ting-Hao Yang. 2011, November. *Enhancement of Unsupervised Feature Selection for Conditional Random Fields Learning in Chinese Word Segmentation*. Proceedings of the 7th

IEEE International Conference on Natural Language Processing and Knowledge Engineering (NLPKE 2011), pages 382-389. [**ISI CPCI, Ei Compendex; Acceptance rate=82/225=36.4%**] {Chapter 5}

3. **Mike Tian-Jian Jiang**, Chan-Hung Kuo, and Wen-Lian Hsu. 2011, November. *Using Accessor Variety Features of Source Graphemes in Machine Transliteration of English to Chinese*. The 2011 Conference on Technologies and Applications of Artificial Intelligence (TAAI 2011). [**Ei Compendex, DBLP; Invited to submit an extended version to Journal of Information Science and Engineering (JISE) on 2012/2/28**] {Chapter 2}

4. **Mike Tian-Jian Jiang**, Chen-Wei Lee, Chad Liu, Yung-Chun Chang, and Wen-Lian Hsu. 2011, November. *Robustness Analysis of Adaptive Chinese Input Methods*. Proceedings of the 1st Workshop on Advances in Text Input Methods (WTIM 2011), the 5th International Joint Conference on Natural Language Processing (IJCNLP 2011), pages 53-61. [**ISI CPCI, ACL Anthology**]

5. **Mike Tian-Jian Jiang**, Chan-Hung Kuo, and Wen-Lian Hsu. 2011, November. *English-to-Chinese Machine Transliteration using Accessor Variety Features of Source Graphemes*. Proceedings of the 3rd Named Entity Workshop (NEWS 2011), the 5th International Joint Conference on Natural Language Processing (IJCNLP 2011), pages 86-90. [**ISI CPCI, ACL Anthology**] {Chapter 2}

6. Ting-Hao Yang, **Tian-Jian Jiang**, Chan-Hung Kuo, Richard Tzong-Han Tsai, and Wen-Lian Hsu. 2011, September. *Unsupervised Overlapping Feature Selection for Conditional Random Fields Learning in Chinese Word Segmentation*. Proceedings of the 23rd Conference on Computational Linguistics and Speech Processing (ROCLING 2011), pages 109-122. [**ACL Anthology; Invited to submit an extended version to International Journal of Computational Linguistics and Chinese Language Processing (IJCLCLP) on 2011/12/2**] {Chapter 5}

7. **Tian-Jian Jiang**, Shih-Hung Liu, Cheng-Lung Sung, and Wen-Lian Hsu. 2010, September. *Term Contributed Boundary Feature using Conditional Random Fields for Chinese Word Segmentation Task*. Proceedings of the 22nd Conference on Computational Linguistics and Speech Processing (ROCLING 2010), pages 143-156. [**ACL Anthology**] {Chapter 5}

8. **Tian-Jian Jiang**, Shih-Hung Liu, Cheng-Lung Sung, and Wen-Lian Hsu. 2010, August. *Term Contributed Boundary Tagging by Conditional Random Fields for SIGHAN 2010 Chinese Word Segmentation Bakeoff*. Proceedings of the 1st CIPS-SIGHAN Joint Conference on Chinese Language Processing, pages 266-269. [**ACL Anthology**] {Chapter 5}

9. Cheng-Wei Lee, Min-Yuh Day, Cheng-Lung Sung, Yi-Hsun Lee, **Tian-Jian Jiang**, Chia-Wei Wu, Cheng-Wei Shih, Yu-Ren Chen, and Wen-Lian Hsu. 2007, May.

Chinese-Chinese and English-Chinese Question Answering with ASQA at NTCIR-6 CLQA. Proceedings of NTCIR-6 Workshop Meeting, pages 175-181. {Chapter 2}

10. Siaw-Fong Chung, **Tian-Jian Jiang**, Kamrul Hasan, Sophia Lee, I-Li Su, Laurent Prevot, Chu-Ren Huang. 2007, January. *Extending an International Lexical Framework for Asian Languages, the Case of Mandarin, Taiwanese, Cantonese, Bangla and Malay*. Proceedings of the First International Workshop on Intercultural Collaboration (IWIC), pages 24-26.

11. Hao Tang, Cheng-Wei Lee, **Tian-Jian Jiang**, and Wen-Lian Hsu. 2006, December. *Query Term Selection Strategies for Web-based Chinese Factoid Question Answering*. Proceedings of the 11th Conference on Artificial Intelligence and Applications (TAAI 2006). [**Non-self citations: 2**] {Chapter 2}

12. Shih-Hung Wu, Chen-Yu Su, **Tian-Jian Jiang**, and Wen-Lian Hsu. 2006, September. *An Evaluation of Adopting Language Model as the Checker of Preposition Usage*. Proceedings of the 18th Conference on Computational Linguistics and Speech Processing (ROCLING 2006), pages 369-386. [**ACL Anthology; Non-self citations: 1**]

13. Siaw-Fong Chung, Kamrul Hasan, **Tian-Jian Jiang**, Sophia Lee, I-Li Su, Laurent Prevot and Chu-Ren Huang. 2006, August. *Extending an international lexical framework for Asian languages, the case of Mandarin, Taiwanese, Cantonese, Bangla and Malay*. 第五屆數位典藏技術研討會, pages 87-94. [**Non-self citations: 1**]

14. Cheng-Wei Lee, Cheng-Wei Shih, Min-Yuh Day, Tzong-Han Tsai, **Tian-Jian Jiang**, Chia-Wei Wu, Cheng-Lung Sung, Yu-Ren Chen, Shih-Hung Wu, and Wen-Lian Hsu. 2005. *ASQA: Academia Sinica Question Answering System for NTCIR-5 CLQA*. Proceedings of NTCIR-5 Workshop, pages 202-208. [**Non-self citations: 12**] {Chapter 2}

15. Cheng-Wei Lee, Cheng-Wei Shih, Min-Yuh Day, Tzong-Han Tsai, **Tian-Jian Jiang**, Chia-Wei Wu, Cheng-Lung Sung, Yu-Ren Chen, Shih-Hung Wu, and Wen-Lian Hsu. 2005, December. *Perspectives on Chinese Question Answering Systems*. Proceedings of the Workshop on the Sciences of the Artificial (WSA 2005). {Chapter 2}

16. Jia-Lin Tsai, **Tien-Jien Chiang**, and Wen-Lian Hsu. 2004, September. *Applying Meaningful Word-Pair Identifier to the Chinese Syllable-to-Word Conversion Problem*. Proceedings of the 16th Conference on Computational Linguistics and Speech Processing (ROCLING 2004). [**ACL Anthology; Non-self citations: 2**] {Chapter 1 – 2}

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Journal

1. Leslie Y Chen*, Kuo-Chen Wei*, **Abner Huang***, Kai Wang, Chiung-Yin Huang, Danielle Yi, Chuan-Yi Tang, David Galas, Leroy Hood, RNASEQR -- a streamlined and accurate RNA-seq sequence analysis program, Nucl. Acids Res. 2011, doi: 10.1093/nar/gkr1248 (*Co-first author. SCI Impact factor 7.836, Rank 30/286 ~ 10.4%.*)

2. **Abner Huang***, Leslie Y Chen, Kuo-Chen Wei, Chiung-Yin Huang, Chih-Hung Cheng, Yue Yuan, Hong Li, David J. Galas, Chuan-Yi Tang, Kai Wang, Leroy E. Hood, Alternative deep analysis of small regulatory RNAs (*Submitted to Nucleic Acids Research Web Server issue.*)

3. Wing Y. Chang*, Alton Etheridge, Ji-Hoon Cho, Kai Wang, Anna Omelyanenko, Vicki Ling, Sarah Y. Kwon, Leslie Chen, **Abner Huang**, Peter Pasceri, Paul Bradshaw, Manuel Alvarez, Paul A. Cassar, Kamal Garcha, Hanna Song, Mark Ungrin, Akitsu Hotta, Milica Radisic, Stephen Meyn, Peter W. Zandstra, James Ellis, David J. Galas, and William L. Stanford, Modeling Hutchinson-Gilford Progeria Syndrome Using Patient-Derived Induced-Pluripotent Stem Cells (*Submitted to Journal of cell biology. SCI Impact factor 9.921, Rank 19/178 ~10.6%*)

Conference & poster

1. Fredrick Berchmans, Wing-Kai Hon, **Abner Huang**, Chih-Shan Liu, Eric Lo, and David Yau, Optimizing Link Assignment to Enhance Service in Probabilistic Network, Sensor Mesh and Ad Hoc Communications and Networks (SECON), 2010 7th Annual IEEE Communications Society Conference on, 21-25 June 2010, pages 1--9. *(In alphabetical order. EI. Acceptance Ratio: 23%. Citation: 1).*

2. Leslie Chen*, Chiung-Yin Huang, **Abner Huang**, Danielle Yi, Qiang Tian, Chuan-Yi Tang, Kuo-Chen Wei, Leroy Hood, Genome-wide transcriptomic analysis suggests differential gene expression and somatic mutations in human glioblastoma tumor and adjacent normal brain tissue. 2011 10th international

symposium of institute for systems biology *(Poster)*

3. **Abner Huang***, Leslie Chen, Kuo-Chen Wei, Kai Wang, Chiung-Yin Huang, Danielle Yi, Qiang Tian, Chuan-Yi Tang, David Galas, Leroy Hood, A fast and accurate RNA-seq mapper for comprehensive analysis on gene expression, alternative transcripts, and sequence variants. 2011 10th international symposium of institute for systems biology *(Poster)*

Manuscripts

1. **Abner Huang***, William Yen and Chuan-Yi Tang, k-Tuple Domination Problem and k-Domination Problem on Weighted Graphs

2. Leslie Chen*, Chiung-Yin Huang, **Abner Huang**, Danielle Yi, Qiang Tian, Chuan-Yi Tang, Kuo-Chen Wei, Leroy Hood, Genome-wide transcriptomic analysis suggests differential gene expression and somatic mutations in human glioblastoma tumor and adjacent normal brain tissue.

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(A) 期刊論文（總計 7 篇；SCI：7 篇，EI：3 篇）

1. **H.-J. Dai**[*], Y.-C. Chang, R. T.-H. Tsai[*] *et al.*, "Integration of gene normalization stages and co-reference resolution using a Markov logic network," *Bioinformatics,* vol. 27, no. 18, pp. 2586-2594, 2011
   SCI IF: 4.877

2. **H.-J. Dai**, P.-T. Lai, and R. T.-H. Tsai[*], "Multistage Gene Normalization and SVM-Based Ranking for Protein Interactor Extraction in Full-Text Articles," *IEEE TRANSACTIONS ON COMPUTATIONAL BIOLOGY AND BIOINFORMATICS,* vol. 7, no. 3, pp. 412-420, 2010
   EI, SCI IF: 1.664

3. **H.-J. Dai**, Y.-C. Chang, R. T.-H. Tsai *et al.*, "New challenges for biological text-mining in the next decade," *Journal of Computer Science and Technology,* vol. 25, no. 1, pp. 169-179, Jan, 2010
   EI, SCI IF: 0.656

4. R. T.-H. Tsai[*], **H.-J. Dai**, P.-T. Lai *et al.*, "PubMed-EX: A web browser extension to enhance PubMed search with text mining features," *Bioinformatics,* vol. 25, pp. 3031-3032, Nov., 2009
   SCI IF: 4.877

5. R. T. K. Lin, **H.-J. Dai**, Y.-Y. Bow *et al.*, "Using conditional random fields for result identification in biomedical abstracts " *Integrated Computer-Aided Engineering,* vol. 16, no. 4, pp. 339-352, Dec., 2009
   EI, SCI IF: 2.122

6. **H.-J. Dai**, C.-H. Huang, R. T. K. Lin *et al.*, "BIOSMILE web search: a web application for annotating biomedical entities and relations.," *Nucl. Acids Res.,* vol. 36, no. Web Server issue, pp. W390-W398, July, 2008
   SCI IF: 7.836

7. R. T.-H. Tsai[*], **H.-J. Dai**, C.-H. Huang *et al.*, "Semi-automatic conversion of BioProp semantic annotation to PASBio annotation," *BMC Bioinformatics,* vol. 9, no. Suppl 12, pp. S18, Dec., 2008
   SCI IF: 3.029

(B) 研討會論文（總計 10 篇，EI：3 篇）

1. **H.-J. Dai**, C.-Y. Chen, C.-Y. Wu *et al.*, "Co-reference Resolution of the Medical Concepts in the Patient Discharge Summaries," in i2b2/VA/Cincinnati Shared-Tasks and Workshop, Washington, DC, USA, 2011.

2. **H.-J. Dai**, R. T.-H. Tsai*, and W.-L. Hsu*, "Entity Disambiguation Using a Markov-Logic Network," in Proceedings of the 5th International Joint Conference on Natural Language Processing (IJCNLP), Chiang Mai, Thailand, 2011, pp. 846-855.

3. **H.-J. Dai***, W.-C. Tsai, R. T.-H. Tsai* *et al.*, "Enhancing Search Results with Semantic Annotation Using Augmented Browsing," in Proceedings of the Twenty-Second International Joint Conference on Artificial Intelligence (IJCAI11), Barcelona, Catalonia, Spain, 2011, pp. 248-2423　**EI**

4. P.-T. Lai, **H.-J. Dai**, C.-H. Huang *et al.*, "IISR Gene Normalization System for BioCreAtIvE III," in Proceedings of BioCreative III Challenge Evaluation Workshop, Bethesda, Maryland, 2010, pp. 87-91.

5. **H.-J. Dai**, P.-T. Lai, R. T.-H. Tsai* *et al.*, "Global Ranking via Data Fusion " in Proceedings of the 23rd International Conference on Computational Linguistics (COLING), Beijing, China, 2010, pp. 223-231.

6. **H.-J. Dai**, P.-T. Lai, C.-H. Huang *et al.*, "IASL-IISR Interactor Normalization System: Using a Multi-stage Gene Normalization Algorithm and SVM-based ranking," in Proceedings of BioCreAtIvE II.5 Challenge Evaluation Workshop, Madrid, Spain, 2009, pp. 69-76

7. R. T. K. Lin, **H.-J. Dai**, Y.-Y. Bow *et al.*, "Result Identification for Biomedical Abstracts Using Conditional Random Fields," in Proceedings of the IEEE International Conference on Information Reuse and Integration (IRI), Las Vegas, Nevada, USA, 2008　**EI**

8. **H.-J. Dai**, C.-H. Huang, J. Y.-W. Lin *et al.*, "A Survey of State of the Art Biomedical Text Mining Techniques for Semantic Analysis," in Proceedings of the first IEEE International Conference on Sensor Networks, Ubiquitous, and Trustworthy Computing (SUTC), 2008, pp. 410-417　**EI**

9. P.-H. Chou, **H.-J. Dai**, C.-H. Huang *et al.*, "A Web Application for Biomedical Entities and Relations Annotation Using the Unstructured Information Management Architecture," in Proceedings of the International Computer Symposium (ICS), Taipei, Taiwan, 2008

10. J. L.-T. Chiu, **H.-J. Dai**, R. T.-H. Tsai* *et al.*, "The Improvement of Biomedical Named Entity Recognition with Semi-joint labeling presentation," in Proceedings of the International Computer Symposium, 2008, pp. 21-26.