

102年9月 通過 學術審查

年 級：博七（92 碩入，93 上直升）

著作列表

Journal Papers

1. **Hsiang-Iu Wang**, Chih-Hung Chang, Po-Heng Lin, Hui-Chuan Fu, Chuanyi Tang and Hsin-Hung Yeh, “Application of Motif-based tools on evolutionary analysis of multipartite single-stranded DNA viruses” **PLoS one** 2013, DOI 10.1371/journal.pone.0071565 (SCI 5-Year Impact Factor : 4.537, Rank **Q1** 12/85 ~ 14.1%)
2. Chih-Hung Chang, **Hsiang-Iu Wang**, Hsiang-Chia Lu, Cheng-En Chen, Hong-Hwa Chen, Hsin-Hung Yeh and Chuan Yi Tang, “An efficient RNA interference screening strategy for gene functional analysis,” **BMC Genomics** 2012, 13:491 doi:10.1186/1471-2164-13-491 (SCI 5-Year Impact Factor : 4.328, Rank **Q1** 26/158 ~ 16.45%.)
3. Chen, C.E., Yeh, K.C., Wu, S.H., **Wang, H.I.** and Yeh, H.H. “A vicilin-like seed storage protein, PAP85, is involved in *Tobacco mosaic virus* replication” **J. Virol.** 2013 published ahead of print *JVI00268-13R1*. (SCI 5-Year Impact Factor: 5.324, Rank **Q1** 5/32 ~ 15.6 %.)
4. Lu, H.C., Hsieh, M.H., Chen, C.E., Chen, H.H., **Wang, H.I.** and Yeh, H.H.”A high-throughput virus-induced gene-silencing vector for screening transcription factors in virus-induced plant defense response in orchid.” **Molecular Plant-Microbe Interactions** 2012 25(6):738-746. (SCI 5-Year Impact Factor: 4.762, Rank **Q1** 12/190 ~ 6.3 %.)
5. Lu, H.C.*, Chen, C.E.*, Tsai, M.H., **Wang, H.I.**, Su, H.J. and Yeh, H.H. “*Cymbidium mosaic potexvirus* isolate-dependent host movement systems reveal two movement control determinants and the coat protein is the dominant” **Virology** 2009 388, 147-159. (SCI 5-Year Impact Factor: 3.249, Rank **Q2** 14/32 ~ 43.7 %.).

Conference Papers

1. **Wang, H-I.**; Tang, Chuanyi; Lin, P-H; Fu, H-C.and Yeh, H-H. “Elucidate the recombination relationships between genome components of *Banana bunchy top virus*” 29th Annual Meeting of American Society for Virology (**ASV 2010**)
2. Fu, H-C.; **Wang, H-I.**; Lu, H-C.; Chen, C-E.; Yeh, H-H. “Defective DNA associated with mild strains of *Banana bunchy top virus*” 29th Annual Meeting of American Society for Virology (**ASV 2010**)
3. Chih-Hung Chang, **Hsiang-Iu Wang**, Hsiang-Chia Lu, Hong-Hwa Chen, Chuan Yi Tang and Hsin-Hung Yeh, “A hierarchical screening strategy for gene functional analysis using RNA interference,” 16th Annual International Conference on Research in Computational Molecular Biology (**RECOMB 2012**).

Book Chapter

1. Hsiang-Chia Lu, **Hsiang-Iu Wang** and Hsin-Hung Yeh, “What we have learned from Studies of the Differential Movement Mechanism of *Cymbidium Mosaic Virus*”, Book Chapter of ”Orchid Biotechnology II”, Chapter 17, pp. 329-340, 2011, ISBN-10 981-4327-92-1

In progress of submission

1. **Hsiang-Iu Wang**, Hui-Chuan Fu, Chia-Hua Lin, Hong-Ji Su, Cheng-En Chen, Li-Yu Tsao, Chih-Ping Chao, Chuan-Yi Tang, Hsin-Hung Yeh, “Comparative genomic analysis of mild strains of *Banana bunchy top virus*” (Reviewing *PHYTO-05-13-0115-R* by **Phytopathology** : SCI 5-Year Impact Factor : 2.924, Rank **Q1** 22/158 ~ 13.9%)

Others

第五屆 2011 人與自然科普寫作桂冠獎

財團法人國立自然科學博物館文教基金會

「沒有察覺的戰爭」王翔昱

102年9月 通過 學術審查

年 級：博七 (95 博士班入學)

著作列表

Journal Papers

1. **Chuan-Ching Huang**, Chun-Yuan Lin, Cheng-Wen Chang, Chuan Yi Tang, “Enzyme reaction annotation using cloud techniques”, accepted by **Biomed Research International (formerly titled as Journal of Biomedicine and Biotechnology)**, 2013
(SCI 2012, **Impact Factor: 2.880**, rank = 50/159 ~ 31.45% in the subject category of "Biotechnology & Applied Microbiology")
2. **Chuan-Ching Huang**, Chuan Yi Tang, “Protein-protein interactions inferred from domain-domain interactions in genogroup II genotype 4 Norovirus sequences”, **International Journal of Genomics (formerly titled as Comparative and Functional Genomics)**, Volume 2013.
(SCI 2012, **Impact Factor: 0.923**, rank = 126/159 ~ 79.25% in the subject category of "Biotechnology & Applied Microbiology")

Conference Papers

1. **Chuan-Ching Huang**, Chun-Yuan Lin, Cheng-Wen Chang, Chuan Yi Tang, “Automatic Prediction of Enzyme Functions from Domain Compositions Using Enzyme Reaction Prediction Scheme”, **The 2012 International Conference on Biomedical Engineering and Biotechnology (iCBEB 2012)**, IEEE Computer Society, Macau, May 2012, p.82-85. (EI)

In progress of submission

1. **Chuan-Ching Huang**, Chun-Yuan Lin, Cheng-Wen Chang, Chuan Yi Tang, “Automated prediction of enzyme reactions based on the domain composition of a protein”, under reviewed by **Future Generation of Computer Systems -The International Journal of Grid Computing and eScience**, 2013
(SCI 2012, EI, **Impact Factor: 1.864**, rank = 15/100 = 15% in the subject category of "Computer Science, Theory & Methods")

102年9月 通過 學術審查

年 級：博五（97 碩入，98 上直升）

著作列表

Journal Papers

1. **Fu-Wen Chen** and Jung-Chun Kao, “Game-Based Broadcast over Reliable and Unreliable Wireless Links in Wireless Multihop Networks,” *IEEE Transactions on Mobile Computing*, vol. 12, no. 8, pp. 1613-1624, Aug. 2013. (SCI, EI) [Impact factor: 3.071]
2. Jung-Chun Kao and **Fu-Wen Chen**, “On RANC ARQ for Wireless Relay Networks: From the Transmission Perspective,” *IEEE Transactions on Wireless Communications*, vol. 12, no. 6, pp. 2962-2976, June 2013. (SCI, EI) [Impact factor: 2.744]

Conference Papers

1. Jung-Chun Kao, **Fu-Wen Chen**, Ming-Hung Yang, and Te-Li Wang, “Coverage Enhancement to IEEE 802.11p Using Work-Based Opportunistic Relay-Assisted Network-Coding ARQ,” in *Proc. IEEE Asia Pacific Wireless Communication Symposium (IEEE VTS APWCS)*, Singapore, Aug. 2011.
2. **Fu-Wen Chen** and Jung-Chun Kao, “RRBS: Reliable Broadcasting over Unreliable Wireless Links in Resilient Ad-Hoc Networks,” in *Proc. Intl. Symposium on Wireless Personal Multimedia Communications (WPMC)*, Sept. 2012.

102年9月 通過 學術審查

年 級：博六（97博入）

著作列表

Journal Papers

1. Chien-Chi Kao, Shun-Ren Yang and Hsin-Chen Chen. “On Energy Efficiency of IEEE 802.16m Interframe Scheduling for Scalable Video Multicast,” Accepted to appear in *IEEE Transactions on Mobile Computing*. (SCI, EI) (5-Year Impact Factor: 3.071, TELECOMMUNICATIONS Ranking: 5/77)
2. Jang-Ping Sheu, Chien-Chi Kao, Shun-Ren Yang and Lee-Fan Chang. “A Resource Allocation Scheme for Scalable Video Multicast in WiMAX Relay Networks,” *IEEE Transactions on Mobile Computing*, vol. 12, no. 1, pp. 90-104, January 2013. (SCI, EI) (5-Year Impact Factor: 3.071, TELECOMMUNICATIONS Ranking: 5/77) (Chien-Chi Kao is the single Ph.D. student in the author list)
3. Chien-Chi Kao, Shun-Ren Yang and Hsin-Chen Chen. “A sleep-mode interleaving algorithm for layered-video multicast services in IEEE 802.16e networks,” *Computer Networks (Elsevier)*, vol. 56, no. 16, November 2012. (SCI, EI) (5-Year Impact Factor: 1.520, TELECOMMUNICATIONS Ranking: 25/77)
4. Chien-Chi Kao, Shun-Ren Yang and Tung-Lin Tsai. “Performance Enhancement of Repacking and Borrowing Mechanisms for IEEE 802.16j Multihop Resource Scheduling,” *Computer Networks (Elsevier)*, vol. 55, no. 17, December 2011. (SCI, EI) (5-Year Impact Factor: 1.520, TELECOMMUNICATIONS Ranking: 25/77)
5. Shun-Ren Yang, Chien-Chi Kao, Wai-Chi Kan and Tzung-Chin Shih. “Handoff Minimization Through a Relay Station Grouping Algorithm With Efficient Radio-Resource Scheduling Policies for IEEE 802.16j Multihop Relay Networks,” *IEEE Transactions on Vehicular Technology*, vol. 59, no. 5, pp. 2185-2197, June 2010. (SCI, EI) (5-Year Impact Factor: 2.019, TELECOMMUNICATIONS Ranking: 15/77)

Conference Papers

1. Tzung-Chin Shih, Chien-Chi Kao and Shun-Ren Yang. “A Cooperative MAC Protocol in Multi-Channel Wireless Ad Hoc Networks,” *IEEE International Wireless Communications and Mobile Computing Conference (IWCMC)*, Istanbul, Turkey, 5-8 July 2011.

2. Chien-Chi Kao, Shun-Ren Yang and Jia-Yun Wang. "A Sleep-Mode Interleaving Algorithm for Layered-Video Multicast over Mobile WiMAX," *IEEE Wireless Communications & Networking Conference (WCNC)*, Cancun, Mexico, 28-31 March 2011.
3. Shin-Hua Yang, Shun-Ren Yang and Chien-Chi Kao. "Analyzing VoIP Capacity with Delay Guarantee for Integrated HSPA Networks," *International Conference on Future Generation Communication and Networking (FGCN)*, Jeju Island, Korea, 10-12 December 2009.
4. Shun-Ren Yang and Chien-Chi Kao. "An Energy-Efficient Scheduling Algorithm for IEEE 802.16e Broadband Wireless Access Systems," *International Conference on Wireless Communications and Mobile Computing (IWCMC)*, Leipzig, Germany, 21-24 June 2009.

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著作列表

Journal Papers

1. **Yi-Fan Chung**, Yin-Tsung Lo, and Chung-Ta King. 2013. Enhancing user experiences by exploiting energy and launch delay trade-off of mobile multimedia applications. ACM Trans. Embed. Comput. Syst. 12, 1s, Article 37 (March 2013), 19 pages.

Conference Papers

1. **Yi-Fan Chung**; Chun-Yu Lin; Chung-Ta King, "ANEPROF: Energy Profiling for Android Java Virtual Machine and Applications," Parallel and Distributed Systems (ICPADS), 2011 IEEE 17th International Conference on , vol., no., pp.372,379, 7-9 Dec. 2011
2. Chih-Pei Yang; **Yi-Fan Chung**; Chung-Ta King, "Destination-aware non-GPS positioning using predictive contexts," ITS Telecommunications (ITST), 2012 12th International Conference on , vol., no., pp.517,521, 5-8 Nov. 2012
3. Shih-Yung Juan, **Yi-Fan Chung**, Chung-Ta King, and Cheng-Hsin Hsu. "CEGF: corner extraction by GPS filtering for power-efficient location uploading". In Proceeding of the 11th annual international conference on Mobile systems, applications, and services (MobiSys '13).
4. Chien-Wei Chang; Chun-Yu Lin; Chung-Ta King; **Yi-Fan Chung**; Shau-Yin Tseng, "Implementation of JVM tool interface on Dalvik virtual machine," VLSI Design Automation and Test (VLSI-DAT), 2010 International Symposium on , vol., no., pp.143,146, 26-29 April 2010

In progress of submission

1. Guanzhong Ding, Chung-Ta King, **Yi-Fan Chung**, "ConsumSense: A Framework for Physical Consuming Behavior Prediction on Smartphones". Under Review. Parallel and Distributed Systems (ICPADS), 2013 IEEE 19th International Conference on.