103 年 4 月 通過 學術審查

年　　級：博六（97 博士班入學）

Journal Publications:

1. A new filtration method and a hybrid strategy for approximate string matching

<u>Chia Wei Lu</u>, Chin Lung Lu and R.C.T. Lee*

Theoretical Computer Science, 2013, vol.481, pp. 9-17. [SCI, 5-Year Impact Factor: 0.697]

2. The origin of Acinetobacter baumannii TYTH-1: a comparative genomics study

Chih-Chin Liu, Chuan Yi Tang, Han-Yueh Kuo, **<u>Chia-Wei Lu</u>**, Kai-Chih Chang and Ming-Li Liou*

International Journal of Antimicrobial Agents, 2013, vol. 41, no. 4, pp. 318-324. [SCI, 5-Year Impact Factor: 3.896]

3. Genome sequence of Acinetobacter baumannii TYTH-1

Ming-Li Liou, Chih-Chin Liu, **<u>Chia-Wei Lu</u>**, Ming-Feng Hsieh, Kai-Chih Chang, Han-Yueh Kuo, Chi-Ching Lee, Chun-Tien Chang, Cheng-Yao Yang and Chuan Yi Tang*

Journal of Bacteriology, 2012, vol. 194, no. 24, p. 6974. [SCI, 5-Year Impact Factor: 3.586]

4. Sequence of Leptospira santarosai serovar Shermani genome and prediction of virulence-associated genes

Li-Fang Chou, Yu-Tin Chen, **<u>Chia-Wei Lu</u>**, Yi-Ching Ko, Chuan-Yi Tang, Ming-Jeng Pan, Ya-Chung Tian, Cheng-Hsun Chiu, Cheng-Chieh Hung and Chih-Wei Yang*

GENE, 2012, vol. 511, no. 2, pp. 364-370. [SCI, 5-Year Impact Factor: 2.371]

5. Exact string matching algorithms based upon selective comparing order and branch and bound approach

<u>Chia Wei Lu</u>, Chin Lung Lu and R.C.T. Lee*
(Manuscript in preparation)

Conference Publications:

1. An Exact String Matching Algorithm Based upon Selective Matching Order and Branch and Bound Approach

<u>**Chia Wei Lu**</u> and R. C. T. Lee*

in: Proceedings of the 30th Workshop on Combinatorial Mathematics and Computation Theory, 2013, pp. 131-137.

2. A new filtration method and a hybrid strategy for approximate string matching

<u>**Chia Wei Lu**</u>, Chin Lung Lu and R.C.T. Lee*

in: Proceedings of the International Computer Symposium (ICS 2012), Advances in Intelligent Systems and Applications, Springer-Verlag, vol. 1, 2012, pp. 143-155.

3. A New Filtration Method Based on the Locality Property for Approximate String Matching

<u>**Chia Wei Lu**</u> and R. C. T. Lee*

in: Proceedings of the 29th Workshop on Combinatorial Mathematics and Computation Theory, 2012, pp. 52-59.

4. A Progressive Strategy for DNA Resequencing Problem

<u>**Chia Wei Lu**</u>, Chuan Yi Tang and R. C. T. Lee*

in: Proceedings of the 27th Workshop on Combinatorial Mathematics and Computation Theory, 2010, pp. 45-49

5. An algorithm for the multiple patterns approximate string matching problem

<u>**Chia Wei Lu**</u>, Chun-Yuan Lin*, Chuan-Yi Tang and Wing-Kai Hon

in: Proceedings of the 26th Workshop on Combinatorial Mathematics and Computation Theory, 2009, pp. 36-42.