

五、論文著述：

- (一) 請詳列個人最近五年內發表之學術性著作，包括：期刊論文、專書及專書論文、研討會論文、技術報告及其他等，並請依各類著作之重要性自行排列先後順序。
- (二) 各類著作請按發表時間先後順序填寫。各項著作請依作者姓名(按原出版之次序)、出版年、月份、題目、期刊名稱(專書出版社)、起迄頁數之順序填寫，被接受刊登尚未正式出版者請附被接受函。
- (三) 若期刊屬於SCI、EI、SSCI或A&HCI等時，請註明；若著作係經由國科會補助之研究計畫所產生，請於最後填入相關之國科會計畫編號。
- (四) 論文著述(表C302)，請採MS Word 97(含)以上版本輸入資料，並將輸入的檔案以E-Mail方式傳遞本會。E-Mail位址：nscapply@nsc.gov.tw，Mail之主旨請註明C302,身分證號碼。

請詳列個人近五年發表之學術性著作，包括：未發表期刊論文、已發表期刊論文、專書及專書論文、研討會論文、技術報告及其他等，並依各類著作之發表時間先後順序排列。

各項著作請依作者姓名(若有通訊作者請加註*)、題目、期刊名稱(專書出版社)、出版年、期別、起迄頁數之順序填寫，被接受刊登尚未正式出版者請備註說明。

<http://www.informatik.uni-trier.de/~ley/db/indices/a-tree/y/Yang:Chao=Tung.html>

論文 \ 年份	2012	2011	2010	2009	2008	2007	2006	2005	Total
已接受未發表 期刊論文	5 4(SCI/EI) 1(EI)								5 4(SCI/EI) 1(EI)
期刊論文	6 5(SCI/EI)	9 7(SCI/EI) 2(EI)	14 12(SCI/EI)	9 8(SCI/EI) 1(EI)	6 3(SCI/EI) 2(SSCI)	5 4(SCI/EI)	2 2(SCI/EI)	4 2(SCI/EI) 2(EI)	55 42(SCI/SSCI/EI) 5(EI) 2(SSCI)
專書論文 (LNCS/CCIS)	2	7	7	7	3	6	5	12	49
國際會議論文	2	11	12	7	15	9	11	19	86
專利	0	1	0	0	0	0	0	0	1
Total	15	28	33	23	24	20	18	35	196

(A) Journal Papers

2012

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- [2] Fuu-Cheng Jiang, Hsiang-Wei Wu, and **Chao-Tung Yang***, "Traffic Load Analysis and Its Application to Enhancing Longevity on IEEE 802.15.4/ZigBee Sensor Network", *Journal of Supercomputing*, Springer Netherlands, Article in Press Manuscript #SUPE-, November 2011. (ISSN: 1573-0484, SCI JCR IF=**0.545**, **0.687**, 0.615, EI)
- [3] Ching-Hsien Hsu*, **Chao-Tung Yang** and Hai-Cheng Chu, "Scheduling Contention-Free Broadcasts in Heterogeneous Networks", *International Journal of Communication Systems*, Feb 10, 2012. (SCI IF=**0.229**, 67/78)
- [4] Fuu-Cheng Jiang, **Chao-Tung Yang***, Der-Chen Huang, Chu-Hsing Lin, Kuo-Hsiung Wang,

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- [5] **Chao-Tung Yang***, Wen-Feng Hsieh, and Shyh-Chang Tsaur, “Implementation of a Diskless Cluster Computing Environment in a Computer Classroom”, *International Journal of Grid and High Performance Computing*, Volume 4, Issue 2, pp. xx-xx, May 2012. (EI)
- [6] Chao-Chin Wu*, Lien-Fu Lai, **Chao-Tung Yang**, and Po-Hsun Chiu, “Using Hybrid MPI and OpenMP Programming to Optimize Communications in Parallel Loop Self-Scheduling Schemes for Multicore PC Clusters”, *Journal of Supercomputing*, Springer Netherlands, [Volume 60, Number 1](#), 31-61, DOI: 10.1007/s11227-009-0271-z. (ISSN: 1573-0484, SCI JCR IF=**0.545**, **0.687**, 0.615, EI) NSC 99-2220-E-029-004
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- [10] **Chao-Tung Yang***, Wen-Chung Shih, and Lung-Hsing Cheng, "Performance-based dynamic loop scheduling in heterogeneous computing environments", *Journal of Supercomputing*, Springer Netherlands, 59(1): 414-442, January 2012. (ISSN: 1573-0484, SCI JCR IF=**0.545**, **0.687**, 0.615, EI) NSC 99-2220-E-029-004
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- [13] **Chao-Tung Yang***, Keng-Yi Chou, and Kuan-Chou Lai, “Design and Implementation of an Adaptive Job Allocation Strategy for Heterogeneous Multi-Cluster Systems,” *Concurrency and Computation: Practice and Experience*, Volume 23, Issue 15, pages 1701–1722, October 2011. (ISSN: 1532-0626, SCI JCR IF=**0.907**, 1.004, 1.791, EI)
- [14] Yue-Shan Chang*, **Chao-Tung Yang**, Yu-Cheng Luo, "An Ontology based Agent Generation for Information Retrieval on Cloud Environment", *Journal of Universal Computer Science*, vol. 17, no. 8 (2011), 1135-1160, August 2011. (ISSN: 0948-695X, SCI JCR IF=**0.572**, **0.669**, 74/97, EI)
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(B) Book Chapters (Lecture Notes in Computer Science, LNCS, Communications in Computer and Information Science, CCIS)

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