

CHIA-HSIEN LIN (林佳賢)	
Highest Education:	Ph.D., University of Southern California, USA (2003)
Present Position:	Associate Professor (2010--)
Joined NCU Faculty:	2010.8
Research Speciality:	Solar Physics
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A. Refereed Papers

Lin, C.-H.\*, (2014)

A statistical study of the subsurface structure and eruptivity of solar active regions

*Astrophysics and Space Science*, 352 (2), 361, doi:10.1007/s10509-014-1931-x 2014 (SCI)

Pi, G., Shue, J.-H., Chao, J.-K., Němeček, Z., Šafránková, J., C.-H. Lin.,

A reexamination of long-duration radial IMF events, 2014

DOI:10.1002/2014JA019993 (SCI)

Lin, C.-H.\* and J. Chen, (2015)

[A Comparison of Coronal Mass Ejection Models with Observations for Two Large CMEs Detected During the Whole Heliosphere Interval](#)

[Terrestrial, Atmospheric and Oceanic Sciences, Vol. 26, No.2, 121-134](#)

[doi: 10.3319/TAO.2014.10.15.01](#)(SCI)

Lin, C.-H., Chen, Y.-C. (2016), Examining the magnetic field strength and the horizontal and vertical motions in an emerging active region, *Solar Physics*, Vol. 291, Issue 3, doi:10.1007/s11207-016-0876-3 (SCI:4.039\*)

Pi, G., Shue, J.-H., Park, J.-S., Chao, J.-K., Yang, Y.-H., Lin, C.-H. (2015), A Comparison of the IMF structure and the magnetic field in the magnetosheath under the radial IMF conditions, *Advances in Space Research*, (in press), [doi:10.1016/j.asr.2015.11.012](#) (SCI)

Liu Jann-Yenq, Chang Loren, Chao Chi-Kuang, Chen Ming-Quey, Chu Yen-Hsyang, Hau Lin-Ni, Huang Chien-Ming, Kuo Cheng-Ling, Lee Lou-Chuang, Lyu Ling-Hsiao, Lin Chia-Hsien, Pan Chen-Jeih, Shue Jih-Hong, Su Ching-Lun, Tsai Lung-Chih, Yang Ya-Hui, Lin Chien-Hung, Hsu Rue-Ron, Su Han-Tzong, (2016), The fast development of solar terrestrial sciences in Taiwan, *Geoscience Letters*, (in press), DOI: 10.1186/s40562-016-0049-0 (SCI)

Huang, G.-H., Lin, C.-H.\*, Lee, L. C. , Solar open flux migration from pole to pole: magnetic field reversal, *Scientific Reports* 7, Article number: 9488, doi:10.1038/s41598-017-09862-2, 2017 (SCI)

Lin, C.-H., Chou, D.-Y. (2018) Solar-cycle Variations of Meridional Flows in the Solar Convection Zone Using Helioseismic Methods, *Astrophysical Journal*, 860:48, DOI:[10.3847/1538-4357/aac026](#)

## B.三年內執行之研究計畫

學年度	研究計畫名稱	計畫經費	補助單位
102	研究太陽噴發事件和太陽活動區之關係	687,000	國科會
103			
104			
105	研究日冕物質拋射的傳播過程中阻力所扮演的角色	783,000	科技部
106	研究 Stealth 日冕物質噴射和 Confined eruption 之物理機制	1,000,000	科技部

## C.三年內開授課程

學年度	(必/選)課程名稱	
104	上學期	(必)程式語言與繪圖 I (選)專題討論-太空組 (選)太陽物理學 (必)書報討論 I
	下學期	(必)程式語言與繪圖 II (選)太陽現象觀測與分析 II (選)太陽結構與大氣 (必)書報討論 I
105	上學期	(必)書報討論 I (選)太陽物理學 (選)太陽現象觀測與分析 I (必)程式語言與繪圖 I
	下學期	(選)太陽結構與大氣 (必)書報討論 I (選)程式語言與繪圖 II
106	上學期	(必)書報討論 I (選)太陽物理學 (選)太陽現象觀測與分析 I (必)程式語言與繪圖 I (選)太空天氣監測與預報
106	下學期	(選)太陽現象觀測與分析 II (選)太陽結構與大氣 (必)書報討論 I (選)程式語言與繪圖 II

## D.三年內指導研究生狀況

學年度	博士班(人)	碩士班(人)	畢業人數	
			博士	碩士
102	0	2	0	0
103	0	2	0	0
104	0	2	0	2
105	1	0	0	0
106	2	1	0	0

## E.三年內之學術性服務工作項目(請註明校內或校外)

學年度	校內/校外
102	Organized International Space Weather Winter School 2014 Jan 19-24 (校內)
103	
104	
105	
106	Asia-Pacific Solar Physics Meeting: scientific organizing committee member and young participant award committee member

## F.三年內之教研獎勵事蹟

學年度	國科會	其他(請證明)
102		
103		
104		
105		