林銘照助理教授學術研究表現列表

產學合作計畫（如國科會/科技部、教育部或其他計畫案）

計畫名稱	計畫內擔任之工作	起迄年月	補助或委託機	申請(執行)情形
2016 教育創意自造者週推動計畫	計畫負責人	2015/12/1~2016/12/31	教育部	已結案
科學學習中心發展課程工作坊計畫-生活科學工作坊	計畫負責人	2015/2/16~2015/12/31	教育部	已結案
12 年國教優質科學學習中心-實驗室教學 MAKER 設備及連續動作攝影建置計畫	計畫負責人	2014/12/25~2015/5/31	教育部	已結案
初探沉浸式 3D 虛擬實境評量工具	計畫主持人	2014/08/01~2015/07/310	科技部	停止執行（到任單位非科技部補助單位）
SLiM 教學模組融入 12 年國教科學學習(團隊計畫)—第一期:高中課程	共同主持人	2013/08/01~2016/07/31	科技部	已結案

Publications

Journal-Article（期刊）

01	**林銘照**（2016）“Make”your own life：第一屆自造×教育週活動。科學研習，55-04，66-68。國立臺灣科學教育館。
02	**林銘照**（2014）穿越時空的學習步道—摩登原始人。科學研習，53-10，52-54。國立臺灣科學教育館。
03	Tseng, Y. H.*, Chang, C. Y., Tutwiler, M. S., **Lin, M. C.**, & Barufaldi, J. P. (2013, June). A scientometric analysis of the effectiveness of Taiwan's educational research projects. *Scientometrics*, *95*(3), 1141-1146. **(SSCI) (SCI)**
04	**Lin, M. C.**, Tutwiler, M. S., Chien, Y. T., Chiang, C. Y., and Chang, C. Y.* (2013, September). The use of a gesture-based for teaching multiple intelligences: a pilot study. *British Journal of Educational Technology*. 44(5), E133-E138. **(SSCI)**
05	Tutwiler, M. S., **Lin, M. C.**, & Chang, C. Y.* (2013, June). Determining virtual environment "fit": The relationship between navigation style in a virtual field trip, student self-reported desire to visit the field trip site in the real world, and the purposes of science education. *Journal of Science Education and Technology, 22*(3), 351-361. **(SSCI)**
06	Chang, C. Y.*, Chien, Y. T., Chiang, C. Y., Lin, M. C., & Lai, H. C. (2013, January). Embodying gesture-based multimedia to improve learning. *British Journal of Educational Technology, 44*(1), E5-E9. **(SSCI)**
07	**Lin, M. C.**, Tutwiler, M. S., and Chang, C. Y.* (2012, March).Gender bias in virtual learning environments: an exploratory study. British Journal of Educational Technology. 43(2), E59--E63. **(SSCI)**
08	**Lin, M. C.**, Tutwiler, M. S., and Chang, C. Y.* (2011, November). Exploring the relationship between virtual learning environment preference, use, and learning outcomes in 10th grade earth science students. *Learning, Media and Technology.36*(4), 399-417. (**SSCI**)
09	Chang, C. Y.*, Barufaldi, J. P., **Lin, M. C.**, & Chen, Y. C. (2007, July). Assessing tenth-grade students’ problem solving ability online in the area of Earth sciences. *Computers in Human Behavior, 23(4)*, 1971-1981. (**SSCI**)

International Conference（國際研討會）

01	**Lin, M. C.**, **Chang, C. Y.** (2014, July). *Various Ways of Using Augmented Reality Technologies to Change the Way Students See the World.* Paper presented at the 2014 Science, Technology, Engineering and Mathematics (STEM) in Education Conference, Vancouver, Canada.
02	Chiang, C. Y., **Lin, M. C.**, **Chang, C. Y.** (2013, September). *Embodying gesture-based multimedia to enhance learning – A Study of the cloud family.* Paper presented at the European Science Education Research Association (ESERA) 2013 International Conference, Nicosia, Cyprus.
03	**Lin, M. C.**, Kao, L. Y., & Chang, C. Y. (2013, July). *Changing the way student see and interact with the world via Augmented Reality technology.* Paper presented at the Inaugural European Conference on Technology in the Classroom (ECTC), Brighton, UK.
04	**Chang, C. Y.**, Chien, Y. T., **Lin, M. C.**, Chang, Y. H., & Chen, C. L. (2012, December). *Initiating a new model to prepare teachers in Mobile-AssisteD-teaching (MAD-teaching)*. Paper presented at the Annual International Conference of the Association of Science Education (ASET), Taipei, Taiwan.
05	**Lin, M. C.**, Tutwiler, M. S., and **Chang, C. Y.*** (2012, March). Virtual Learning Environment Preference, Perception of Helpfulness, and Achievement in Taiwanese Earth Science Students. Paper presented at theNational Association of Research in Science Teaching (NARST) (Indianapolis (Indiana), USA)
06	Lin, M. C. & Chang, C. Y.(2011, September) *Applications of the 3DVR Learning Environment for Field Trip*. Paper accepted at the ESERA 2011- European Science Education Research Association (Lyon, FRANCE)
07	Lin, M. C. & Chang, C. Y.(2010, November). *The Development of an Online 3D Compound Virtual Field Trip system.* Paper presented at the Sixth Nepal Geological Congress (Kathmandu, Nepal)
08	Chang, C. Y.*, Lin, M. C., Hsiao, C. H. (2009, July). *3D Compound Virtual Field Trip System and its Comparisons with an Actual Field Trip.* Paper presented at Ninth IEEE International Conference on Advanced Learning Technologies, Riga, Latvia.
09	Lin, M. C. & Chang, C. Y.(2009, June) *Incorporating auto-grading and feedback tools into an online 3D Compound Virtual Field Trip system.* Paper presented at the ED-MEDIA 2009-World Conference on Educational Multimedia, Hypermedia & Telecommunications (Honolulu, HI ,USA)

10	Lin, M. C., Chang, C. Y(2008, March) *The application of the 3D virtual reality on field trip: Taking the Example of Hsiaoyukeng.* Paper presented at the National Association of Research in Science Teaching (NARST)(Baltimore(Marriott),USA)
11	Lin, M. C., Chang, C. Y.(2007, October) *The Pilot Study on the Impacts of 3D Compound Virtual Reality Field Trip toward Students' Academic Achievements.* Paper presented at the E-Learn 2007--World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education(Quebec City, Canada)
12	Lin, M. C., Chang, C. Y(2007, May) 初探虛擬野外考察系統與相關因數對學生學習成就的影響 Paper presented at the 11th Global Chinese Conference of Computers in Education (GuangZhou, China) **Best Stuedent Paper**
13	Lin, M. C. & Chang, C. Y.(2006, June) *The development of a 3D virtual cooperative field- trip instructional system.* Paper presented at the ED-MEDIA 2006-World Conference on Educational Multimedia, Hypermedia & Telecommunications(Orlando, USA)
14	Lin, M. C., & Chang, C. Y.(2005, November) The development of a 3D visualization tool on the topic of cold front Paper presented at the 2005 International Conference on Computers in Education(Singapore)
15	Lin, M. C., Chang, C. Y., Barufaldi, J. P., Chen, Y. C., & Jhan, J. Y.(2005, June) Evaluating students' problem solving ability on the earthquake related topics through Web-based testing. Paper presented at the ED-MEDIA 2005-World Conference on Educational Multimedia, Hypermedia & Telecommunications(Montreal, Canada)

Proceedings of Conference（研討會論文集）

01	Lin, M. C. & Chang, C. Y.(2010, November). *The Development of an Online 3D Compound Virtual Field Trip system.* Journal of Nepal Geological Society, 41: 168.
02	Chang, C. Y., Lin, M. C., Yang, C. F., & Lin, C. Y. (2010) *A VR too for assisting geological field trip.* Journal of Cyber Therapy and Rehabilitation, 3(2):190-192.
03	Chang, C. Y. & Lin, M. C. (2010) *Comparison of the 3-d VR field Trip with actual geological field Trip.* Journal of Cyber Therapy and Rehabilitation, 3(2):193-194

Conference（國內研討會）

1	呂欣澤、王紹宇、李彣龍、蘇萬生、林銘照、楊鎮華(106 年 3 月)。應用文字探勘技術探究台灣中小學科學展覽與產業發展趨勢之關聯性研究。文章發表於第十三屆台灣數位學習發展研討會（TWELF2017）（臺灣，中壢）
2	呂欣澤、李彣龍、王紹宇、蘇萬生、林銘照、楊鎮華（105 年 12 月）。運用電腦模擬場域專家探討近年科學展覽趨勢。文章發表於科學教育傳播新途徑國際研討會（臺灣，台北）
3	林銘照（104 年 11 月）。擴增實境技術在科教館的應用。文章發表於第十一屆台灣數位學習發展研討會（TWELF2015）（臺灣，高雄）
4	林銘照、朱楠賢（104 年 12 月）。Maker 精神 @ NTSEC Garage。文章發表於 2015 科普論壇（臺灣，基隆）