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學歷	大學	政治大學	系所 應用數學系
	碩士	台灣大學	系所 流行病學所生物醫學統計組
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學術專長	人因工程、服務業創新管理、永續經營管理、知識管理、職業傷害分析		
任教科目	統計學、知識管理、生產與作業管理、研究方法、經濟學		
經歷	服務機關與學校	職務	起訖年月日
	亞洲大學經營管理學系	副教授	103/08/01-113/07/31
	亞洲大學經營管理學系	助理教授	94/08/01-103/07/31
	修平科技大學工業管理系	助理教授	93/08/01-94/07/31
	修平科技大學工業管理系	講師	88/08/01-93/07/31
獲獎事項			
政府機關計畫	<ol style="list-style-type: none"> 1. 棒球比賽策略、戰術、暗號知識地圖建置與情境化設計評估之研究(113-2221-E-468-009-MY2)，國科會 2. 運用情境分析連結知識地圖建置學童棒球運動多媒體訓練教材評估及運動傷害知識之研究(110-2221-E-468-009-)，國科會 3. 遷移動機與永續生活需求之研究(108-2410-H-468-019-)，國科會 4. 營造業石材加工公司安全分析與智能情境監控系統之建置 108-2622-E-468-004 -CC3，國科會 5. 運用數位媒體遊戲、合作學習結合知識分享融入統計學之學習成效研究，教育部，教學實踐研究計畫 		

	6. 運用合作學習、行動研究結合知識分享融入統計學之學習成效研究，教育部，教學實踐研究計畫
產學合作計畫	1. 經濟部產業發展署數位管理共好加值計畫，計畫名稱: 自行車產業車架導入精實改善診斷服務計畫
產業/學術服務	
專業證照	勞工安全衛生管理乙級第 021752 號
研究期刊著作	<p>A. 期刊論文</p> <ol style="list-style-type: none"> 1. <u>Tin-Chang Chang</u>, Yiming Lyu, Tsangyao Chang, Omid Ranjbar & Behnaz Saboori (2024, Mar). Diversifying the export basket of creative products and accelerating economic growth. The Journal of International Trade and Economic Development. (SSCI Q1). 2. Jianxin Wang, Guohua Zhu, <u>Tin-Chang Chang</u> (2024, Feb). Unveiling the relationship between institutional quality, fintech, financial inclusion, human capital development and mineral resource abundance. An Asian perspective. Resources Policy (SSCI Q1). 3. <u>Tin-Chang Chang</u>, Yi-Ming Lyu, Huang-Ching Wu, Kao-Wei Min (2024, Jan). Introduction of Taiwanese literacy-oriented science curriculum and development of an aligned scientific literacy assessment. Eurasia Journal of Mathematics, Science and Technology Education, 20(1) (SSCI Q2). 4. Chun-Wei Chen, Junxiong Zheng, <u>Tin-Chang Chang</u>, Muhammad Sadiq & Bushra Tufail (2023). Green finance policy and heavy pollution enterprises: a supply-chain and signal transmission of green credit policy for the environment—Vietnam perspective. Environment, Development and Sustainability (SSCI Q1). 5. <u>Tin-Chang Chang</u>, Chin-Huang Daniel Liao, Huang Hsun-Hui (2023). The Learning outcome of using Augmented Reality Instruction to Enhance Students' English Vocabulary Learning in the EFL Elementary School, English Language Teaching Methodology, vol.3 no.1 pp.152-161. 6. Chin-Huang Daniel Liao, Wen-Chi Vivian Wu, Venny Gunawan & <u>Tin-Chang Chang</u> (2023). Using an Augmented-Reality Game-Based Application to Enhance Language Learning and Motivation of Elementary School EFL Students: A Comparative Study in Rural and Urban Areas. Asia-Pacific Education Researcher. (SCI, Accepted 15 March 2023). 7. <u>Tin-Chang Chang</u>, Chin-Huang Daniel Liao, Huang Hsun-Hui (2023, Apr). The Learning outcome of using Augmented Reality Instruction to Enhance Students' English Vocabulary Learning in the EFL Elementary School. English Language Teaching Methodology, vol.3 no.1 pp.152-161. 8. Chang Tin-Chang (2022, Jun). Impact of Market Orientation on Organisation

- Performance in Ecotourism Industry. Journal of Environmental Protection and Ecology, 23(3), P.1160-1165. (SCI)
9. Shu-Jing Wu, Tin-Chang Chang and Chin-Chan Wu (2022, Mar). Relationship between Experiential Marketing, Brand Image, Customer Satisfaction and Customer Loyalty in a Tourist Hotel. Innovation on Design and Culture, Vol.1, Iss.1 : 20-31.
 10. Yen-Hung Chen, Tin-Chang Chang (2020, Dec). Analysis and Evaluation of Competitiveness in Medical Tourism Industry in Taiwan. Advances in Science, Technology and Engineering Systems Journal, Vol. 5, No. 6, 1690-1697.
 11. Tin-Chang Chang (2019, Sep). Occupational Accident Analysis in Taiwan Environmental Protection Company. Journal of Environmental Protection Ecology.20, s502-s509. (SCI)
 12. Mei-Hsiang Yang, Tzong-Ru (Jiun-Shen) Lee, Tin-Chang Chang (2019). Key Success Factors of Blockchain Platform for Micro-enterprises. Journal of Asian Finance, Economics and Business. 6(3), pp.283-293. (ESCI)
 13. Chi-Chen Li, Tin-Chang Chang (2019, Jun). Applying the GIS to Discuss the Traffic Accidents under Environmental Analysis - Case on Taichung City. Ekoloji, 107, pp.3805-3816. (SCI)
 14. 朱以恬、陳佩詩、張庭彰、謝佩璇 (2021年12月)。國小棒球隊經營管理與家長參與關聯之研究。運動與觀光研究。本人為通訊作者。
 15. 王癸元、張庭彰、陳怡廷 (2021年04月)。跨國房地產投資者人格特質對風險管理影響之研究。藝見學刊，21, 69-81。
 16. 張庭彰(Tin-Chang Chang)、陳佩詩*、王秀瑾(Hsiu-Chin Wang)、林家安(Chia-An Lin) (2020年06月)。文創娛樂產業行銷策略對青少年偶像崇拜之影響。運動與觀光研究。本人為第一作者。
 17. 陳佩詩、趙文鴻*、張庭彰(Tin-Chang Chang)、謝佩璇 (2020年06月)。休閒式釣蝦場經營模式與消費者參與動機之研究。運動與觀光研究。
 18. 張庭彰(Tin-Chang Chang)、張育嘉(Yu-Chia Chang)、尤儷玲 (2019年12月)。消費者行為與飯店美學經濟關聯研究。運動與觀光研究。本人為第一作者、通訊作者。
 19. 楊美香、李宗儒、張庭彰、趙雲瀚、陳慧君、簡均宇 (2019年08月)。透過訪談萃取菜市場區塊鏈平台設計之成功關鍵因素。鄉村發展，Vol.21, 27-53。本人為通訊作者。

B. 研討會論文

1. Tin-Chang Chang, Chung-Cheng Hsieh, Chin-Chan Wu (2024, Feb). Exploring the Application of Instant Messaging Application in Teacher-Student Relationships Through a Technology-Acceptance Model. The 7th International Conference on Ambient Intelligence and Ergonomics in Asia (AmI&E 2024), Nagoya, Japan. 本人為第一作者、通訊作者。
2. Tin-Chang Chang, Hsiu-Chin Wang, Pei-Hsuan Hsieh, Chin-Chan Wu, Pei-Shih Chen (2022, Feb). A Study on the Effectiveness of Using Digital Media Games, Cooperative Learning and Knowledge Sharing for Statistics. 5th IEEE Eurasian

Conference on Educational Innovation 2022 (IEEE ECEI 2022). 本人為第一作者、通訊作者.

3. Tin-Chang Chang, Pei-Hsuan Hsieh, Chung-Cheng Hsieh, Pei-Shih Chen (2022, Feb). A Study of the Relationship between Baseball Electronic Games and Baseball Training by the Concept of Knowledge Map. 5th IEEE Eurasian Conference on Educational Innovation 2022 (IEEE ECEI 2022). 本人為第一作者.
4. Chin-Huang Daniel Liao, Wen-Chi Vivian Wu, Chang Tin-Chang, Chang-Hung Lee (2021, Nov). The impact of Augmented Reality on Vocabulary Learning of EFL Elementary School Students. 29TH INTERNATIONAL CONFERENCE ON COMPUTERS IN EDUCATION.
5. Tin-Chang Chang, I-Tien Chu, Pei-Shih Chen (2021, Jul). College Students' Learning Motivation and Learning Effectiveness by Integrating Knowledge Sharing, Action Research and Cooperative Learning in Statistics. The 15th International Conference on Innovative Mobile and Internet Services in Ubiquitous Computing. 本人為第一作者.
6. Tin-Chang Chang, Yao-Chun Tsai, Pei-Shih Chen (2021, Jul). Business Strategy Analysis of Catering Franchise between China and Taiwan. 4th IEEE International Conference on Knowledge Innovation and Invention 2021. 本人為第一作者.
7. Tin-Chang Chang, Yi-Ming Lyu, Jih-Fu Tu (2021, Jul). The new mode of cultural creativity management in response to COVID-19. 4th IEEE International Conference on Knowledge Innovation and Invention 2021. 本人為第一作者.
8. Pei-Hsuan Hsieh, Tin-Chang Chang, Pei-Shih Chen, Tsung-Chen Hsieh (2021, Mar). Thinking of Design Management in " Biography of the Architect ". The 5th International Conference on Ambient Intelligence and Ergonomics in Asia.
9. Tin-Chang Chang, Pei-Hsuan Hsieh, Sui-Foon Lo, Min-Chi Chiu, Wei-Hsien Hong (2021, Mar). Effects of Joint Mobilization on Ankle Dorsiflexion Range of Motion during Squat Exercise for Subjects with Chronic Ankle Instability. The 5th International Conference on Ambient Intelligence and Ergonomics in Asia. 本人為第一作者.
10. Tin-Chang Chang, Yao-Chun Tsa, Pei-Shih Chen (2021, Mar). A Study on the Diversified Model of Integrated Marketing Company. The 5th International Conference on Ambient Intelligence and Ergonomics in Asia.
11. Tin-Chang Chang, Yi-Ming Lyu, Jih-Fu Tu (2021, Mar). The Quest of Learning Satisfaction and Effecting of Humanities Course for High Schools. 4th Eurasian Conference on Educational Innovation 2021. 本人為第一作者.
12. Chin-Huang Liao, Wen-Chi Vivian Wu, Chang Tin-Chang (2021). Integrating online Game-learning platform (PaGaMo) and the pictorial story word classification (PSWC) system to facilitate primary students' vocabulary

- learning. English Scholars Beyond Borders and Dhofar University International Conference (ESBB-DUIC 2021).
13. 張庭彰(Tin-Chang Chang) (2020, Aug). Operation Strategy and Operation of Travel Agency in the Late COVID-19. International Conference on Knowledge Innovation and Invention. 本人為第一作者、通訊作者。
 14. 張庭彰(Tin-Chang Chang) (2019, Oct). Study of Technology Acceptance Model on Using Wii Console among Hearing Impaired. The 4th International Conference on Ambient Intelligence and Ergonomics in Asia. 本人為第一作者、通訊作者。
 15. 莊淑惠(Shu-Hui Chuang)、張庭彰(Tin-Chang Chang)、謝佩璇 (2019, Oct). Utilization of social networking services: Antecedents, information-value offering, and outcomes. 2019 International Conference on Global Trend Management.
 16. Chang, Tin-Chang, Chen, Yung-Lin, and Ke, Tsung-Han (2018, Dec). Information Transmission of Bitcoin Trading Platforms. The 26th Conference on the Theories and Practices of Securities and Financial Markets, National Sun Yat-Sen University. 本人為第一作者。
 17. Chang, Tin-Chang and Chen, Yung-Lin, (2018, Nov). Using SBA-BPNN to Predict Stock Price and Classify Enterprise Performance in Stock Market. International Conference on Fuzzy Theory and Its Applications, Republic of Korea. 本人為第一作者。
 18. Chang, Tin-Chang and Chen, Yung-Lin (2018, Aug). Fintech Puzzle: The Case of Bitcoin. 2018 Portland International Conference on Management of Engineering and Technology, Hawaii, US. 本人為第一作者。
 19. 廖錦煌、吳文琪、張庭彰 (2021年12月)。擴增實境對小學英語字彙學習的學習成效。2021年台灣教育傳播暨科技學會年會@NTUNHS國際研討會。
 20. 張庭彰、陳佩詩、謝佩璇、龔曉明 (2021年03月)。石材加工公司安全分析之評估。第28屆中華民國人因工程學會年會暨學術研討會。本人為第一作者、通訊作者。
 21. 洪維憲、羅瑞寬、邱敏綺、張庭彰、謝佩璇 (2021年03月)。關節鬆動術對慢性腳踝不穩定患者於下蹲時腳踝背屈活動度及軀幹前傾的影響。第28屆中華民國人因工程學會年會暨學術研討會。
 22. 張庭彰 (2020年06月)。運用合作學習、行動研究結合知識分享融入統計學之學習成效研究。2020中亞聯大教學實踐研究與創新線上研討會，亞洲大學。本人為第一作者、通訊作者。
 23. 張庭彰(Tin-Chang Chang)、陳文祥、謝佩璇 (2020年05月)。農村遷移動機與永續生活型態關聯性之研究。第27屆中華民國人因工程學會年會暨學術研討會。本人為第一作者、通訊作者。

24. 張庭彰(Tin-Chang Chang)、莊淑惠(Shu-Hui Chuang)、張世波、謝佩璇(2020年05月)。討人格特質、智慧型手機成癮與學業成就關聯性之研究。第27屆中華民國人因工程學會年會暨學術研討會。本人為第一作者、通訊作者。
25. 劉琴滿、張庭彰(Tin-Chang Chang)、林家安(Chia-An Lin)、謝佩璇、趙文鴻(2019年10月)。國民小學校長領導能力與教師工作投入關係之研究。2019 International Conference on Global Trend Management。本人為通訊作者。
26. 黃珮如、張庭彰(Tin-Chang Chang)、莊淑惠(Shu-Hui Chuang)、謝佩璇、李政忠(2019年10月)。探討五大人格特質對投資行為與投資績效影響之研究。2019 International Conference on Global Trend Management。本人為通訊作者。
27. 張庭彰、黃紹諺、謝佩璇(2019年03月)。實彈射擊體驗活動安全分析之研究。第二十六屆中華民國人因工程學會年會暨學術研討會。本人為第一作者、通訊作者。

C. 專書及研討會論文

1. 黃培碩,張庭彰,王癸元(2019年03月)。發現台指選擇權的凸性 (ISBN: 978-986-367-074-2)。