

國立聯合大學理工學院
第九任院長候選人資料表

一、個人基本資料

姓 名	性別	出生年月日 (民國)	身 分 證 字 號
陳建仲	男	59/10/	
聯 絡 電 話			宅 : 0918014982 傳真 :
通 訊 處	苗栗縣苗栗市聯大路 2 號國立聯合大學能源系		
E-mail	ccchen@nuu.edu.tw		

現 職	機 關 學 校 名 稱	職 稱	到 職 年 月	教授證書字號及起資年月 (請檢附教授證書影本)
	國立聯合大學	特聘教授	97/08/01	教授: 教字第 021557 號; 103 年 2 月 特聘教授: (108)聯合人聘研字第 001 號
大 學 以 上 學 歷	學 校 名 稱	院 系 所	學 位 名 稱	領受學位年月
	國立交通大學	材料科學與工程研究所	博士	2005/11
	國立台灣海洋大學	材料工程研究所	碩士	1998/06
	國立台北技術學院	材料及資源工程技術	學士	1996/06

主 要 經 歷	機 關 學 校 名 稱	職 稱	專(兼)任	起 訖 年 月 (請檢附行政經歷證書影本)
	國立聯合大學	特聘教授	專任	108/08/01~迄今
	國立聯合大學	特聘教授	兼任國立聯合大學智慧綠能研究中心主任	108/05/01~迄今
	國立聯合大學	教授	兼任能源系主任	110/08/01~114/07/31

	國立聯合大學	教授	兼任智慧綠能國際學位學程主任	110/08/01~114/07/31
	國立聯合大學	教授	專任	103/02/01~108/07/31
	國立聯合大學	副教授	專任	99/08/01~103/01/31
	國立聯合大學	助理教授	專任	97/08/01~99/07/31

Applied System Innovation (ICASI), Kyoto, Japan, 2024, pp. 87-89. (EI).

[116] Chih-Yuan Chen*, Iting Chiang, Chien-Chon Chen, Yung-Chang Kang, "The effect of different level of nitrogen on the microstructural evolution and mechanical properties of Cr-Mo-V hot work tool steel after tempering treatment" , 2024 10th International Conference on Applied System Innovation (ICASI), Kyoto, Japan, 2024, pp. 143-144. (EI).

2023

[115] Sung-Hung Lan, Wei-Xiang Wang, Chien-Chon Chen, and Hsi-Wen Yang, "The Study on the Decolorization and Properties of Bismuth Glass" , Advances in Condensed Matter Physics, , Article ID 7366612, (2023) 11 pages.

2022

[114] Chun-Chieh Lee, Chih-Wei Chen, Jin-Shyong Lin, Shing Hoa Wang, Chiang-Sheng Lee, *Chien-Chon Chen, Ya-Hui Lin, and *Chih-Yuan Chen, "Effect of Anodization Treatment on the Thickness, Hardness, and Microstructural Characterization of Anodic Aluminum Oxide Film on AA 6061 and Critical Patent Analysis" , Journal of Materials Engineering and Performance 31 (2022) 667-681.

2021

[113] *Shing-Hoa Wang, Shiu-Mei Liu, Kan-Hung Hu, Chien-Chon Chen, Tai-Yuan Lin, Shuei-Wan Juang, Chia-Yuen Yen, Shu-Ting Lu, and Chia-Heng Liu, "Structure and photocatalytic influence of N-doping ATO nano-tubes on antibacterial activity toward Escherichia coli" , Journal of Marine Science and Technology 29 (2021) 592-596.

[112] Sung-Hung Lan, Chin-Tung Lee, Yi-Sheng Lai, Chien-Chon Chen, *Hsi-Wen Yang, "The Relationship between the Structure and Thermal Properties of $\text{Bi}_2\text{O}_3\text{-ZnO-B}_2\text{O}_3$ Glass System" , Advances in Condensed Matter Physics 2321558 (2021), 12 pages.

[111] Shing-Hoa Wang, Wuan-Yun Hsiao, Yo-Lun Yang, Chih-Yuan Chen, Jer-Ren Yang, Woei-Shyan Lee, Chien-Chon Chen, Po-Kai Chiu, "Microstructural Characterization and Mechanical Properties of Duplex and Super Austenitic Stainless Steels under Dynamic Impact Deformation" , Journal of Materials Engineering and Performance 30(11) (2021) 8169-8177.

[110] Pao-Chang Chiang, Chih-Wei Chen, Fa-Ta Tsai, *Chung-Kwei Lin, *Chien-Chon Chen, "Hard Anodization Film on Carbon Steel Surface by Thermal Spray and Anodization Methods" , Materials 14(3580) (2021) 1-17.

2020

[109] Chun-Chien Lee, Stephanie El - Zahlanieh, Yi-Hsuan Wang, *Chien-Chon Chen, Shih Hsun Chen, Yo-Wei Chang, "6061 Aluminum surface treatment by High Quality Coloring Anodic film" , Materials Science Forum 975(2020)31-36.

[108] Shao Fu Chang, Stephanie El - Zahlanieh, Chien Chon Chen, ChihYuan Chen, Yo-Wei Chang, Chien Wan Hun, Mei-Huo Cho, Chiang Sheng Lee *Shih Hsun Chen, "A Study on Fabrication and Morphology of 6061 Aluminum Alloy in Hard Anodization" , Materials Science Forum 975(2020)45-48.

[107] Chih-Yuan Chen, Lung-Jen Chiang, Chien Chon Chen, Jih-Sheng Kuo, and Ya-Hsuan Chou, "The Microstructure Evolution and Precipitation Behavior within HSLA Steels with Different M/C Atomic Ratios" , Materials Science Forum 975(2020)49-54.

2018

[106] Chien Wan Hun, Yu Jia Chiu, Zhiping Luo, *Chien Chon Chen, *Shih Hsun Chen, "A New Technique for Batch Production of Tubular Anodic Aluminum Oxide Films for Filtering Applications" , Applied Sciences 8(155)(2018) 10 pages.

[105] Chien Wan Hun, Chuan Chan Chang, *Shih Hsun Chen, Chien Chon Chen, Alex Fang, *Yu-Lin Kuo, "Transparent sapphire substrates with tunable optical properties by decorating with nanometric oxide on porous anodic aluminum oxide patterns" , Ceramics International 44 (2018) 10898-10906.

2017

[104] Po Chun Chen, *Chien Chon Chen, *Shih Hsun Chen, "A Review on Production, Characterization, and Photocatalytic Applications of TiO_2 Nanoparticles and Nanotubes" , Current Nanoscience 13(4) (2017) 373-393.

[103] Zhiping Luo*, John G. Moch, Chien Chon Chen, "A Review on the X-Ray Detection Using Nanomaterials" , Current Nanoscience 13(4) (2017) 364-372.

[102] Chien Wan Hun, Shao Fu Chang, Chien Chon Chen*, Ker Jer Huang, "Fabrication of CsI Columns by Rapid Heating Method" , International Journal of Chemical, Molecular, Nuclear, Materials and Metallurgical Engineering 11(5) (2017) 375-379.

[101] Yu Wei Chang, Hsuan Yu Ku, Jo Shan Chiu, Shao Fu Chang, Chien Chon Chen*, "Study on Hydrophilicity of Anodic Aluminum Oxide Templates with TiO_2 -NTs" , International Journal of Chemical, Molecular, Nuclear, Materials and Metallurgical Engineering 11(5) (2017) 380-384.

2016

- [100] Chien Chon Chen, S. H. Chenb, J. E. Yanga, K. J. Huangc, W. D. Jheng, "High Aspect Ratio Single Crystal of Cesium Iodide Column", ECS Transactions, 75 (2016) 25-31.
- [99] Shih Hsun Chen, Shi Chiou Ho, Chia Hao Chang, Chien Chon Chen*, Wen Ching Say*, "Influence of roughness on in-vivo properties of titanium implant surface and their electrochemical behavior", Surface and Coatings Technology 302 (2016) 215-226.
- [98] May Show Chen, Fang Yu Fan, Chung Kwei Lin*, Chien Chon Chen*, "Enhanced Diffusion Bonding Between High Purity Aluminum and 6061 Aluminum by Electrolytic Polishing Assistance" International Journal of Electrochemical Science 11(2016) 4922-4929.
- [97] *Chih Yuan Chen, *Jer Ren Yang, Chien Chon Chen, Shih Fan Chen, "Microstructural characterization and strengthening behavior of nanometer sized carbides in Ti-Mo microalloyed steels during continuous cooling process", Materials Characterization 14 (2016) 18-29.
- [96] Chien Wan Hun, Shao Fu Chang, Jheng En Yang, Chien Chon Chen*, Wern Dare Jheng*, "Submicron Size of Alumina/Titania Tubes for CO₂-CH₄ Conversion", International Journal of Chemical, Molecular, Nuclear, Materials and Metallurgical Engineering 10 (2016) 575-578.

2015

- [95] Zue Chin Chang*, Huan Hsin Sung, Chih Yuan Chen*, Chien Chon Chen, "Improvement of the Adhesion of the Backside Mo Electrode in a CIGS Solar Cell with Good Electrical Properties", Materials Research Innovations. 19 (2015) 512-517.
- [94] Wen Ching Say, Chen Chang Chan, Jin Shyong Lin, Chien Chon Chen*, Alex Fang, Shih Hsun Chen*, "Impedance Studies of Thermochemically Activated 316L Stainless Steel", Atlas Journal of Materials Science, 2 (2015) 73-77.
- [93] Jin Shyong Lin, Shih Hsun Chen, Ker Jer Huang, Chien Wan Hun*, Chien Chon Chen*, "Challenges to Fabricate Large Size-Controllable Submicron Structured Anodic-Aluminum-Oxide Film", Atlas Journal of Materials Science, 2 (2015) 65-72.
- [92] Chien Chon Chen, Chien Wan Hun, Chuan Ju Wang, Chih Yuan Chen, Jin Shyong Lin, Ker Jer Huang, "The TiO₂ Refraction Film for CsI Scintillator", World Academy of Science, Engineering and Technology International Journal of Chemical, Nuclear, Materials and Metallurgical Engineering 9 (2015) 680-683.

- [91] Chih Yuan Chen*, Chien Chon Chen, Jer Ren Yang*, "Synergistic Effect of Austenitizing Temperature And Hot Plastic Deformation Strain On The Precipitation Behavior In Novel Hsla Steel" , Materials Science and Engineering A, 639 (2015)145-154.
- [90] Chien Chon Chen, Chin-Yi Chen, Chien-Yie Tsay, Sih-Ying Wang, Chung-Kwei Lin*, "Influence of Fe₃O₄ Nanoparticles on Pseudocapacitive Behavior of The Charge Storage Process" , Journal of Alloys and Compounds, 645 (2015) 250-258.
- [89] Chih Yuan Chen, Chien Wan Hun, Shih Fan Chen, Chien Chon Chen*, Jin Shyong Lin, Shardai S. Johnson, Niyoyankunze Noel, Niyogushima Juliely, Zhiping Luo*, "Fabrication of Nanoscale Cesium Iodide (CsI) Scintillators for High-Energy Radiation Detection" , Review in Nanoscience and Nanotechnology, 4 (2015) 26-49.
- [88] Chih Yuan Chen*, Shih Fan Chen, Chien Chon Chen, Jer Ren Yang*, "Control of Precipitation Morphology in the Novel HSLA Steel" , Materials Science and Engineering A 634 (2015)123-133.
- [87] Chih Yuan Chen, Shih Fan Chen*, Jer Ren Yang, Chien Chon Chen*, "Precipitation of Nano-Sized Carbide in the Ti-Mo Bearing Steel During Low Temperature Transformation" , Atlas Journal of Materials Science, 2 (2015) 48-53.
- [86] Shih Fan Chen*, Hsuan Yao Chang, Shea Jue Wang, Shih Hsun Chen*, Chien Chon Chen, "Enhanced electromagnetic properties of Fe-Si-Cr alloy powders by sodium silicate treatment" , Journal of Alloys and Compounds, 637 (2015) 30-35.
- [85] Chih Yuan Chen, Shih Hsun Chen, Chien Chon Chen*, Jin Shyong Lin*, "Using Positive Pressure to produce a Sub-micron Single-Crystal Column of Cesium Iodide (CsI) for Scintillator Formation" , Materials Letters, 148 (2015) 138-141.
- [84] Shih Fan Chen, Shih Hang Huang, Shea Jue Wang, Jin Shyong Lin*, Shih Hsun Chen, Chien Chon Chen, "Characteristics of Fe-Si-B-Cr-C Powders Synthesized by the Spinning Water Atomization Process (SWAP) and its Application in Magnetic Core" , Applied Mechanics and Materials 749 (2015) 101-105
- [83] Shih Fan Chen*, Chi Yu Hung, Shea Jue Wang, Shih Hsun Chen*, Chien Chon Chen, Influence of annealing treatment on soft magnetic properties of Fe₇₀Si₁₀B₁₀Cr₂Y₂ amorphous ribbon, Journal of Alloys and Compounds, 627 (2015) 333-336.
- [82] Chih Yuan Chen*, Chien Chon Chen, Jer Ren Yang*, "Dualism of Precipitation Morphology in High Strength Low Alloy Steel" , Materials Science and Engineering A, 626 (2015) 74-79

2014

[81] Shih Fan Chen, Shih Hang Huang, Shea Jue Wang, Shih Hsun Chen*, Chien Chon Chen, "Magnetic and Thermal Properties of $\text{Fe}_{73.5}\text{Si}_{13.5}\text{B}_5\text{Cu}_1\text{Nb}_3$ Amorphous Ribbons and Ball-Milled Powders", *Atlas Journal of Materials Science*, 1 (2014) 38-43.

[80] Chien Chon Chen, Chun Mei Chu, Chuan Ju Wang, Ker Jer Huang, Jin Shyong Lin*, "The Thermodynamic Characterization in Cs-I-O Reaction", *Advanced Materials Research*, 1051 (2014) 162-165

[79] Chien Chon Chen, Chih Yuan Chen, Hsi Wen Yang, Yang Kuao Kuo, Jin Shyong Lin*, "Phase Equilibrium in Carbothermal Reduction $\text{Al}_2\text{O}_3 \rightarrow \text{AlN}$ Studied by Thermodynamic Calculations", *Atlas Journal of Materials Science*, 1 (2014) 30-37.

[78] Hshiang Ho Chiang, Shing Hoa Wang*, Hsin Yiu Chou, Chih Ching Huang, Tsung Lun Tsa, Yi Che Yang, Jyh Wei Lee, Tai Yuan Lin, Yeun Jung Wu, Chien Chon Chen, "Surface Modification of ATO Photocatalyst on its Bactericidal Effect Against Escherichia Coli", *Journal of Marine Science and Technology*, 22 (2014) 269-276.

[77] Po Chun Chen, Sheng Jen Hsieh, Jun Zou*, Chien Chon Chen, "Selectively dealloyed Ti/TiO_2 network nanostructures for supercapacitor application", *Materials Letters*, 133 (2014) 175-178.

[76] Chien Chon Chen, C.M. Chu, C.J. Wang, C.Y. Chen, K.J. Huang, "The Fabrication of Scintillator Column by Hydraulic Pressure Injection Method", *World Academy of Science, Engineering and Technology International Journal of Mathematical, Computational, Physical and Quantum Engineering* 8 (2014) 792-795.

[75] C.Y. Chen, Chien Chon Chen, J.S. Lin, "Morphology Feature of Nanostructure Bainitic Steel after Tempering Treatment", *International Journal of Mechanical, Industrial Science and Engineering*, 8 (2014) 867-870.

[74] *Zue Chin Chang, Yi Chen Lin, Chih Yuan Chen, *Chien Chon Chen, "Fabrication of ZnS Thin Film Buffer Layer in Solar Cell by Radio Frequency Sputtering Method", *Advanced Materials Research*, 894 (2014) 386-390.

[73] *Chien Chon Chen, "Phase Equilibria at Ti-Al Interface under Low Oxygen Pressure", *Atlas Journal of Materials Science*, 1 (2014) 1-11.

[72] Chih Yuan Chen, Chien Chon Chen, *Jer Ren Yang, "Microstructure Characterization of Nanometer Carbides Heterogeneous Precipitation in Ti-Nb and Ti-Nb-Mo Steel", *Materials Characterizations*, 88 (2014) 69-79.

[71] Chien Chon Chen, *Wern Dare Jheng, *Chung-Kwei Lin, "Large-area TiO_2 nanotube dye-sensitized solar cells using thermal-sprayed Ti layers on stainless steel", *Ceramics International*, 40 (2014) 3221-3226.

Corresponding author. Tel: +886 9 2827 6212; fax: +886 37 382391. E-mail address: chentexas@gmail.com (C.C. Chen)

2013

- [70] Chien Chon Chen, Shao Fu Chang, *Zhiping Luo, "Anodic-aluminum-oxide template assisted fabrication of cesium iodide (CsI) scintillator Nanowires", Materials Letters, 112 (2013) 190-193.
- [69] Chien Chon Chen, Wern Dare Jehng, Ker Jer Huang, *Jin Shyong Lin, "The Green Materials Fabrication and Advanced Molds Design", Applied Mechanics and Materials, 405-408 (2013) 2694-2698 (EI).
- [68] Po Chun Chen, Sheng Jen Hsieh, *Chien Chon Chen, *Jun Zou, "The Microstructure and Capacitance Characterizations of Anodic Titanium Based Alloy Oxide Nanotube", Journal of Nanomaterials, ID: 157494, (2013) 9 pages.
- [67] Chien Chon Chen, Chia-Yu Yang, *Chung Kwei Lin, "Improved Pseudo-capacitive Performance of Manganese Oxide Films Synthesized by Facile Sol-gel Method with Iron Acetate Addition", Ceramics International, 39 (2013) 7831-7838
- [66] Mann Juin Kao, Shao Fu Chang, Chin Guo Kuo, Chia Chih Wei, Chien Chon Chen, Ker Jer Huang "The Silver Recovery from Used Keyboard", World Academy of Science, Engineering and Technology 77 (2013) 994-996 (EI)
- [65] Chien Chon Chen, Chin Hua Cheng, *Chung Kwei Lin, "Template Assisted Fabrication of TiO_2/WO_3 Nanotubes", Ceramics International, 39 (2013) 6631-6636
- [64] Chien Chon Chen, *Yen Po Wang, "Evaluation of CO_2 Absorbent/ De-absorbent by AAO/ CaO Membrane", Advanced Materials Research, 690-693 (2013) 1856-1859 (EI)
- [63] Chien Chon Chen, Chi Liang Chen, *Yi Sheng Lai, "The Enhancement of Platinum Surface Area by Alumina Template Assistance in Sn/Pt Core-Shell Nano/sub-micron Sphere Structure", Ceramics International, Ceramics International, 39 (2013) 4369-4375.
- [62] *Chien Chon Chen, "Characterization of Porous WO_3 Electrochromic Device by Electrochemical Impedance Spectroscopy", Journal of Nanomaterials, ID:785023 (2013) 14 pages.
- [61] Po Chun Chen, Sheng Jen Hsieh, *Chien Chon Chen, *Jun Zou, "A Three-dimensional Enormous Surface Area Aluminum Microneedle Array with Nanoporous Structure", Journal of Nanomaterials, ID:164953 (2013) 6 pages.
- [60] Po Chun Chen, Sheng Jen Hsieh, Chien Chon Chen, *Jun Zou, "Fabrication and Characterization of Chemically Sensitive Needle Tips with Aluminum Oxide Nanopores for pH Indication", Ceramics International, 39 (2013) 2597-2600.
- [59] Shao Fu Chang, Mann Juin Kao, Chin Guo Kuo, *Chien Chon Chen, Ker Jer Huang, "The Deposition Methods of CsI and Ni Tubes in the AAO Template", Applied Mechanics and Materials, 275-277(2013) 2256-2260
- [58] Chien Chon Chen, Chin-Hua Cheng, Guoyi Tang, Tainan Lin, *Chung-Kwei Lin, "Template Assisted Fabrication of TiO_2 and BaTiO_3 Nanotubes", Applied Mechanics and Materials 271-272 (2013) 107-111

2012

[57] Chien Chon Chen, Chien Yie Tsay, Horng Siang Lin, Wern Dare Jheng, *Chung Kwei Lin, "Effect of Iron Particle Addition on the Pseudocapacitive Performance of Sol-gel Derived Manganese Oxides Film", *Materials Chemistry and Physics*, 137 (2012) 503-510.

[56] Chien Chon Chen, Dong Fang, *Zhiping Luo, "Fabrication and Characterization of Highly-Ordered Valve-Metal Oxide Nanotubes and Their Derivative Nanostructures", *Review in Nanoscience and Nanotechnology*, 1(2012) 229-256.

[55] Kan-Hung Hu, *Shing-Hoa Wang, *Todd Hsu, Chien Chon Chen, Tai-Yuan Lin, Huei-Ting Tsai, Hsiang-Ho Chiang, "The effect of nitrogen doped ATO nanotubes on radical multiplication of buffer media by visible-light photocatalysis rather UV", *Journal of Nanomaterials*, ID:510672 (2012) 6 pages.

[54] Hui Ping Wu, Lu Lin Li, *Chien Chon Chen, *Wei Guang Diao, "Anodic TiO₂ Nanotube Arrays for Dye-Sensitized Solar Cells Characterized by Electrochemical Impedance Spectroscopy", *Ceramics International*, 38 (2012) 6253-6266.

[53] Chien Chon Chen, Po Chun Chen, Jun Zou, Sheng Jen Hsieh, "Supercapacitor Fabrication by Titanium Alloy", *Advanced Materials Research*, 535-537 (2012) 894-898.

[52] Chien Chon Chen, *Wern Dare Jheng, "Logotype-selective Electrochromic Glass Display", *Ceramics International*, 38 (2012) 5835-5842

[51] *Chien Chon Chen, C.C. Wei, S.H. Chen, S.J. Hsieh, W.G. Diao, "Dye-Sensitized Solar Cell by Plasma Spray", *World Academy of Science, Engineering and Technology*, 65 (2012) 566-569.

[50] Mann Juin Kao, Shao Fu Chang, *Chien Chon Chen, *Chin Guo Kuo, "The Surface Adsorption of Nano-pore Template", *World Academy of Science, Engineering and Technology*, 65 (2012) 800-803.

[49] Chien Chon Chen, *Wern Dare Jheng, "Effect of Ar/O₂ ratio on double-sided electrochromic glass performance", *Ceramics International*, 38 (2012) 4195-4200.

[48] *Chien Chon Chen, Shih Hsun Chen, Sheang Wen Shyu, Sheng Jen Hsieh, "Use of Nanostructures in Fabrication of Large Scale Electrochemical Film", *Physics Procedia* 25 (2012) 44-49.

[47] *Kuang Hsuan Yang, Chien Chon Chen, "Alumina Template Assistance in Titania Nanotubes Dye-Sensitized Solar Cell (TiO₂ NT-DSSC) Device Fabrication", *ISRN Nanotechnology*, ID:132797 (2012) 10 pages.

2011

[46] *Chi Jung Chang, Chung Kwei Lin, Chien Chon Chen, Chin Yi Chen, En Hong Kuo,

"Gas sensors with porous three-dimensional framework using TiO_2 /polymer double-shell hollow microsphere", *Thin Solid Films*, 520 (2011) 1546-1553.

[45] *Chung Kwei Lin, Sheng Chung Tseng, Chin Hua Cheng, Chin Yi Chen, Chien Chon Chen, "Electrochromic Performance of Hybrid Tungsten Oxide Films with Multiwalled-CNTs Additions", *Thin Solid Films*, 520 (2011) 1375-1378.

[44] Chien Chon Chen, Chi Liang Chen, *Yi-Sheng Lai, "Template Assisted Fabrication of Pt-Sn Core-Shell Nanospheres", *Materials Chemistry and Physics*, 131 (2011) 250-253.

[43] *Wern Dare Jheng, Yao Min Huang Chien Chon Chen "The Effect of Thermo-vacuum Systems in The Dye Sensitized Solar Cell", *ECS Transactions*, 33 (2011) 61-64 (EI).

[42] 吳慧屏、李陸玲、陳建仲、*刁維光, "染料敏化太陽能電池的界面阻抗分析(下)", *工業材料*, 295 (2011) 139-145.

[41] 吳慧屏、李陸玲、陳建仲、*刁維光, "染料敏化太陽能電池的界面阻抗分析(上)", *工業材料*, 294 (2011) 197-204.

[40] Chun Kang Yu, Kan Hung Hu, *Shing Hoa Wang, *Todd Hsu, Huei Ting Tsai, Chien Chon Chen, Shiu Mei Liu, Tai Yuan Lin, Chin Hsing Chen, "Photocatalytic effect of anodic titanium oxide nanotubes on various cell culture media", *Applied Physics A*, 102 (2011) 271-274.

[39] *Chien Chon Chen, Shih Hsin Chen, Shao Fu Chang, Mann Juin Kao, Wern Dare Jheng, Shing Hoa Wang, "The Decomposition Mechanism of Titania Film with Nanotube Structure", *Advanced Materials Research*, 189-193 (2011) 2660-2664.

[38] *Wern-Dare Jheng, Chien Chon Chen, Shao-Hsien Chen, "Thermal Effects of Aluminum Nitride", *Advanced Materials Research*, 189-193 (2011) 762-765.

[37] Chien Chon Chen, Shao Fu Chang, Mann Juin Kao, Wern-Dare Jheng, *Wang Shing Hoa, "Fabrication of Thermo-conductivity Film Using Anodic Aluminum Oxide Template and Silver Nanowires", *Advanced Materials Research*, 146-147 (2011) 22-25

[36] *Wern-Dare Jheng, Chien Chon Chen, "The absorption of TiO_2 nanotube-dye sensitization solar cells by thermo-compression systems in dye molecules", *Advanced Materials Research*, 148-149 (2011) 1710-1716

2010

[35] Lu-Lin Li, Chiau-Yiag Tsai, Hui-Ping Wu, *Chien Chon Chen, *Eric Wei-Guang Diaua, "Morphologic Characterization of Anodic Titania Nanotube Arrays for Dye-Sensitized Solar Cells", *J. Chin. Chem. Soc.*, 57 (2010) 1147-1150.

[34] Chien Chon Chen, *Sheng Jen Hsieh, "Evaluation of Fluorine Ion Concentration in Titanium Oxide Nanotube (TiO_2 NT) Anodization Process", *Journal of The*

Electrochemical Society, 156 (6) (2010) K125-K130.

[33] Lu-Lin Li, Chiau-Yiag Tsai, Hui-Ping Wu, Chien Chon Chen, *Eric Wei-Guang Diao, "Fabrication of long TiO_2 nanotube arrays in a short time using a hybrid anodic method for highly efficient dye-sensitized solar cells", *Journal of Materials Chemistry*, 20 (2010) 2753-2758.

[32] *陳建仲、薛幸芮、溫義楷, "陽極氧化鋁與氧化鈦奈米管的製作與表面積的評估", *工業材料*, 第 277 (2010) 153-162.

2009

[31] Chien Chon Chen, Wern Dare Jehng, Lu Lin Li, *Eric Wei-Guang Diao, "Enhanced Efficiency of Dye-sensitized Solar Cells (DSSC) Using Anodic Titanium Oxide (ATO) Nanotube Arrays", *Journal of The Electrochemical Society*, 156 (9) (2009) C304-C312.

[30] Shih Hsun Chen, *Chien Chon Chen, Chuen Guang Chao, "Novel Morphology and Solidification Behavior of Eutectic Bismuth-Tin (Bi-Sn) Nanowires", *Journal of Alloys and Compounds*, 481 (2009) 270-273.

[29] Chin-Guo Kuo, Wern Dare Jehng, Sheng-Jen Hsieh, *Chien Chon Chen, "Phase Equilibria on The Ni-Al Interface at Low Oxygen Pressure", *Journal of Alloys and Compounds*, 480 (2009) 299-305.

[28] Chin Guo Kuo, *Chien Chon Chen, "Technique for Self-assembly of Tin Nano-particles on Anodic Aluminum Oxide (AAO) Templates", *Materials Transactions*, 50 (2009) 1102-1104.

[27] Shih Hsun Chen, Chien Chon Chen, *Z. P. Luo, Chuen-Guang Chao, "Fabrication and characterization of eutectic bismuth-tin (Bi-Sn) nanowires", *Materials Letter*, 63 (2009) 1665-1668.

[26] Chien Chon Chen, *Eric Wei Guang Diao, Sheng-Jen Hsieh, Wen C. Say, "A Mechanism for the Formation of Annealed Compact Oxide Layers in the Interface between Anodic Titania Nanotube Array and Ti Foil", *Applied Physics A*, 95(2009)889-898.

[25] Wen C. Say, *Chien Chon Chen, Yuan H. Shiu, "Monitoring the effects of growing Titania nanotubes on titanium substrate by Electrochemical Impedance Spectroscopy measurement", *Jpn. J. Appl. Phys.*, 48 (2009) 035004.

[24] Sheng Jen Hsieh, *Chien Chon Chen, Wen C. Say, "Process for Recovery of Indium from ITO Scraps and Metallurgic Microstructures", *Materials Science and Engineering B* 158 (2009) 82-87.

[23] 陳建仲、李陸玲、蔡喬盈、吳慧屏、*刁維光, "奈米管染料敏化太陽能電池與交流阻抗量測法之應用", *電子月刊*, 第 167 期 7 月號 (2009) pp124-135.

[22] 李陸玲、陳建仲、*刁維光, "染料敏化太陽能電池的基本原理與元件最佳化策略研究", *化工* 第 56 卷第 2 期(2009) pp3-15.

2008

- [21] Chien Chon Chen, Hsien-Wen Chung, Chin-Hsing Chen, Hsueh-Pei Lu, Chi-Ming Lan, Si-Fan Chen, Liyang Luo, Chen-Shiung Hung, *Eric Wei-Guang Diao, "Fabrication and Characterization of Anodic Titanium Oxide Nanotube Arrays of Controlled Length for Highly Efficient Dye-Sensitized Solar Cells", J. Phys. Chem. C, 112 (2008) 19151-19157.
- [20] Chin Guo Kuo, *Chien Chon Chen, Sheng-Jen Hsieh, Wen C. Say, "Fabrication of Bismuth Nanoballs by Thermal Oil Reflow", Journal of the Ceramic Society of Japan 116 (2008)1193-1198.
- [19] Wen C. Say, * Chien Chon Chen, Sheng-Jen Hsieh, "Electrochemical characterization of non-chromate surface treatments on AZ80 magnesium", Materials Characterization, 59 (2008)1400-1406.
- [18] Chien Chon Chen, Jin-Shyong Lin, *Eric Wei-Guang Diao, Tzeng-Feng Liu, "Self-cleaning characteristics on a thin-film surface with nanotube arrays of anodic titanium oxide", Applied Physics A, 92 (2008) 615-620.
- [17] Jin-Shyong Lin, Chien Chon Chen, *Eric Wei-Guang Diao and Tzeng-Feng Liu, "Fabrication and characterization of eutectic gold-silicon (Au-Si) nanowires", J. Mater. Processing Tech., 206 (2008) 425-430.
- [16] Wen C. Say, *Chien Chon Chen, "An Efficient Technique for the Fabrication of Nano-size particles of Lead-Bismuth Alloy", Journal of the Ceramic Society of Japan, Vol. 116, No. 1, (2008) 288-290.

2007

- [15] Wen C. Say, *Chien Chon Chen, "Formation of Tin Whiskers and Spheres on Anodic Aluminum Oxide Template", Jpn. J. Appl. Phys., Vol. 46, No. 1, (2007) 7577-7580.

2006

- [14] Jin-Shyong Lin, Yu-Chying Chen, Chien Chon Chen, Li-Yang Luo, *Eric Wei-Guang Diao and Tzeng-Feng Liu, "Fluorescence Dynamics of Zinc Protoporphyrin in Solution and inside Anodized Aluminum Oxide (AAO) Nano-channel Arrays", J. Chin. Chem. Soc., Vol. 53, No. 6, (2006) 1405-1412.
- [13] Jin-Shyong Lin, Yu-Chying Chen, Chien Chon Chen, *Eric Wei-Guang Diao, Tzeng-Feng Liu, "Aggregation of Zinc Protoporphyrin in Anodized Aluminum Oxide (AAO) Nanoporous Environments", J. Chin. Chem. Soc., Vol. 53, No. 1, (2006) 201-208.
- [12] Chien Chon Chen, Y Bisrat, Z P Luo, R E Schaak, C-G Chao, *D C Lagoudas, "Fabrication of Single Crystal tin Nanowires by Hydraulic Pressure Injection", Nanotechnology, Vol.17, (2006) 367-374.

2005

- [11] Chien Chon Chen, J. H. Chen, C.G. Chao, Wen C. Say, "Electrochemical Characteristics of Surface of Titanium Formed by Electrolytic Polishing and Anodizing ", J Mater. Sci. Vol. 40, No. 15, (2005) 4053-4059.
- [10] Chien Chon Chen, C. G. Kuo, C.G. Chao, "Template Assisted Fabrication of Tin Nanospheres by Thermal Expansion and Rapid Solidification Process" , Jpn. J. Appl. Phys., Vol. 44, No. 3, (2005) 1524-1528. (Impact factor: 1.096)
- [9] Chien Chon Chen, J. H. Chen, C.G. Chao, "Post-treatment Method of Producing Ordered Array of Anodic Aluminum Oxide Using General Purity Commercial (99.7%) Aluminum ", Jpn. J. Appl. Phys., Vol. 44, No. 3, (2005) 1529-1533.

2004

- [8] Chien Chon Chen, C. G. Kuo, J. H. Chen, C.G. Chao, "Nanoparticles of Pb-Bi Eutectic Nucleation and Growth on Alumina Template ", Jpn. J. Appl. Phys., Vol. 43, No. 12, (2004) 8354-8359.

2000

- [7] 劉祥鈞、陳建仲、朝春光, "在熔融鐵鋁液中之溶氧量及 e_o^A 參數之決定", 礦冶 Vol. XLIV, No3 Sep. (2000) 89-96.
- [6] 劉祥鈞、陳建仲、連雙喜, "Fe-Al 合金之溶氧量及 e_o^A 參數之決定", 中國稀土學報, 第 18 卷, (2000) 93-96.

1999

- [5] 陳建仲、高慶良、王忠益、薛文景, "電化學評估 Ti-6Al-4V 合金表面氧化膜之特性", 電化學, ELECTROCHEMISTRY, Vol.5 No.1 (1999) 31-35.

1998

- [4] 陳建仲、吳國棟、吳建國、薛文景, "電化學交流阻抗法探討 TMCP 鋼材銲件的腐蝕行為研究", 中國稀土學報, 第 16 卷, (1998) 935-940.
- [3] 陳建仲、吳國棟、吳建國、林信光、薛文景, "電化學交流阻抗法探討 TMCP 鋼材表面之抗蝕效果", 礦冶 Vol. XLII, No.1 March, (1998) 118-129.

1997

- [2] 陳建仲、薛文景, "交流阻抗法評估增塗三聚磷酸鋁之抗蝕性", Journal of Chinese Corrosion Engineering, Vol.11, No.3, (1997) 120-130.

- [1] 陳建仲、薛文景, “電化學法探討單晶碳化矽在濃鹽酸下的腐蝕行為”, Journal of Chinese Corrosion Engineering, Vol.11, No.2, (1997) 72-77.

2. Conference paper :

2024

[71] Chia-Hsien Liu, Hsuan-Jung Chen, Chih-Yuan Chen, and Chien-Chon Chen*, “Surface Treatment of Anodization on Hydrogen Storage Bottle”, 2024 International Conference on Mechatronic, Automobile, and Environment Engineering (ICMAEE 2024), Paper Id: 154, Vietnam, Oral.

[70] Y. Q. Li, Hsuan-Jung Chen, S. H. Chen, S. Y. Chen, Z. R. Hsieh, Chien-Chon Chen*, “Metal Coated Carbon Fiber EMI Shielding Material”, International Conference on Metallurgical Coatings and Thin Films (ICMCTF 2024), Paper Id: 79541, USA, Oral.

2023

[69] Yun-Qi Li, Shao-Fu Chang, Chien-Chon Chen*, “Hard Coating on Refillable Solid State Hydrogen Storage Chamber”, TACT2023 International Thin Films Conference, (2023) Taiwan (Invited talk).

[68] Chia-Hsien Liu, Shao-Fu Chang, Chien-Chon Chen*, “Improve AISI 1020 Steel Surface Hardness and Corrosion Resistance by Thermal Spray Anodic Film”, TACT2023 International Thin Films Conference, (2023) Taiwan (Oral).

2022

[67] Chao-Yen Chen, Xi-Wen Yang, Jun-Hong Lai, Chien-Chon Chen*, “Lightweight Portable and High Thermal Conductivity Storage/Release Hydrogen Bottle”, 2022 8th International Conference on Applied System Innovation (ICASI), Taiwan, IEEE (2022) 9-12.

2016

[66] Chien Chon Chen, S. H. Chen J. E. Yang, K. J. Huang W. D. Jheng, “High Aspect Ratio Single Crystal of Cesium Iodide Column”, 2016 PRIME 2202, Hawaii (2016).

[65] T. W. Chung, Y. C. Chen, K. C. Tso, Chien Chon Chen, S. F. Chen, P. W. Wu, P. C. Chen, “Nanostructured Iridium Oxide Micro Electrode Array for Neurostimulation Application”, 2016 PRIME-1190, Hawaii (2016).

[64] S. H. Chen, C. Y. Wang, Y. C. Hung, Chien Chon Chen, J. S. Lin, “Fabrication of Self-Assembly Metal /Semiconductor Heterostructured Nanowires By Using Anodic

Aluminum Oxide (AAO)-Assisted Molding Injection Process" , 2016 PRIME 2201, Hawaii (2016).

2015

[63] Po Chun Chen, Chien Chon Chen, Shih Hsun Chen, Chung Yi Chou, Sheng Jen Hsieh*, "Highly sensitive arrayed indium-antimony nanowires for infrared detection" , 2015 SPIE International Conference, Proceeding of SPIE 9485 (2015) 94850M-1~94850M-9, Baltimore, USA (2015).

[62] Chien Wan Hun, Po Chun Chen, Ker Jer Huang, Chien Chon Chen*, "The Fabrication of Sub-micron Size Caesium Iodide X-Ray Scintillator" , 2015 SPIE International Conference, Proceeding of SPIE 9485 (2015) 948500-1~94850M-8, Baltimore, USA (2015).

2014

[61] 陳建仲, 洪千萬, 周鍾煜, 楊希文, "高純度氮化鋁粉體合成開發" 103 年度國防科技學術合作計畫成果發表會, 台灣 (2014).

[60] Chien Chon Chen, Tsung Cheng Tien, Wern Dare Jheng*, "The Fabrication of Solid-state Electrochromic Glass" , The 15th IUMRS-International Conference in Asia (IUMRS-ICA 2014), A5-P28-009, Japan (2014).

[59] *Chien Chon Chen, Chuan ju Wang, Chun Mei Chu, "The study and Fabrication of Solid-State Supercapacitor by Anodization and Electro-deposition Processes" , International Union of Materials Research Societies International Conference on Electronic Materials 2014 (IUMRS' ICEM 2014), A4-P-0817, (Taiwan) (2014).

[58] Chuan ju Wang, Chun Mei Chu, Chien Chon Chen*, "The Application of Al₂O₃ and TiO₂ Nanotubes to the Energy Devices, 奈米電子元件-42, Taiwan (2014).

2013

[57] *Chien Chon Chen, "Large Scale Anodic Aluminium Oxide Fabrication and Application" , 2013 Symposium on Nano Device Technology, Invited Talk, S3-3, p.17, Taiwan (2013)

[56] Mann Juin Kao, Shao Fu Chang, Chin Guo Kuo, Ker Jer Huang, Chien Chon Chen*, "The Formation of Anodic Aluminum Oxide on the Si Wafer" , 2013 Symposium on Nano Device Technology, NMI19, 4 pages, Taiwan (2013)

[55] Shao Fu Chang, Mann Juin Kao, Chin Guo Kuo, Ker Jer Huang, Chien Chon Chen*, "Design, Characterization, and Development of Large-Scale Nano Thermal Insulating Film" , 2013 Symposium on Nano Device Technology, NMI06, 3 pages, Taiwan (2013)

[54] *Chien Chon Chen, Wern Dare Jheng, "The Microstructure of Ordering TiO₂-MoO₃ Nanotubes" , 2013 MRS Spring Meeting & Exhibit, S4.134, San Francisco, USA (2013).

[53] *Wern Dare Jheng, Chien Chon Chen, "The Fabrication of Liquid, Gel, and Solid Electrochromic Glasses", 2013 MRS Spring Meeting & Exhibit, S12.52, San Francisco, USA (2013).

2012

[52] Chien Chon Chen, *Yen Cho Chen, Ker Jer Huang, "Fabrication and Application of $\text{TiO}_2\text{-Ta}_2\text{O}_5$ Nanochannel", *2012 Japan-Taiwan Symposium on intelligent Green and Orange (iGO) Technology*, p. 13-14, Taiwan (2012).

[51] Shao Fu Chang, Mann Juin Kao, *Chien Chon Chen, Chin Guo Kuo, "Fabrication of CsI Nanocrystals on the AAO Template by Liquid Phase Deposition Method", *2012 Japan-Taiwan Symposium on intelligent Green and Orange (iGO) Technology*, p. 26-27, Taiwan (2012).

2011

[50] Chien Chon Chen, Chung Kwei Lin, C.J. Cheng, C.H. Hsu, Wern Dare Jheng, "Fabrication of Large Area TiO_2 NT Dye-Sensitized Solar Cell on Stainless-Steel by Thermal Spraying and Anodizing Methods", International Conference on Metallurgical Coatings and Thin Films (ICMCTF 2011), C2/F4-1-9, 13, San Diego, USA (2011).

[49] Chung Kwei Lin, S.C. Tseng, C.H. Cheng, C.Y. Chen, Chien Chon Chen, "Electrochromic Performance of Hybrid Tungsten Oxide Films with Mutiwalld-CNTs Additions", International Conference on Metallurgical Coatings and Thin Films (ICMCTF 2011), C1-2, 3, San Diego, USA (2011).

[48] C.J. Chang, Chung Kwei Lin, Chien Chon Chen, C.Y. Chen, E.H. Kuo, "Gas Sensors with Porous Three-Dimensional Framework Using TiO_2 /Polymer Double-Shell Hollow Microsphere", International Conference on Metallurgical Coatings and Thin Films (ICMCTF 2011), F1-1-9, 70, San Diego, USA (2011).

[47] C.L. Chen, Chien Chon Chen, Y.S. Clai, "Alunina Template Assistance in Pt/Sn Core-Shell Nano-Sphere Fabrication", International Conference on Metallurgical Coatings and Thin Films (ICMCTF 2011), F1-1-9, 70, San Diego, USA (2011).

2010

[46] Chien Chon Chen, Mann Juin Kao, Shao Fu Chang, Wern Dare Jehng, Sheng Jen Hsieh, "Fabrication of Large Area Dye-Sensitized Solar Cell Using Thermal Spraying Method", The 218th Meeting of the Electrochemical Society, No. 242, Las Vegas, USA (2010).

[45] Chien Chon Chen, Shih Hsun Chen, Shao Fu Chang, Mann Juin Kao, Wern Dare Jehng, Sheng Jen Hsieh, "Analysis of Dye-Sensitized Solar Cells (DSSC) by

Electrochemical Impedance Spectroscopy (EIS)" , The 218th Meeting of the Electrochemical Society, No. 241, Las Vegas, USA (2010).

[44] Chien Chon Chen, Chih Yuan Chen, Shao Fu Chang, Mann Juin Kao, Wern Dare Jehng, Po Chun Chen, Sheng Jen Hsieh, "Fabrication of Thermal Conductivity Film Using Silver Nanowires" , The 218th Meeting of the Electrochemical Society, No. 116, Las Vegas, USA (2010).

[43] Lu-Lin Li , Chien Chon Chen, Eric Wei-Guang Diaua, "Electrodeposited Low Platinum Loaded Films as Efficient Counter Electrodes for Dye-Sensitized Solar Cells" , The 218th Meeting of the Electrochemical Society, No. 1660, Las Vegas, USA (2010).

[42] 陳建仲*, 王星豪, "濕式太陽能電池之電化學反應模擬", 第七屆海峽兩岸材料腐蝕與防護研討會, #037, 雲南 (2010).

[41] 陳建仲*, 邵曼君, 張紹甫, 陳士新, "製作大面積染料敏化太陽能電池的模具", 九十九年度中國材料科學學會論文集, 0014, 高雄

2009

[40] Chien Chon Chen, Hui Ping Wu, Lu Lin Li, Chiau Yiag Tsai, Wei Guang Diau, "Fabrication of Anodic TiO₂ Nanotube Arrays for Dye-Sensitized Solar Cells Characterized by Electrochemical Impedance Spectroscopy", 2009 International Symposium of Dye-Sensitized Solar Cells, P. 83, Taiwan (2009).

[39] 陳建仲, 李婷婷, "奈米管結構之染料化太陽能電池的交流阻抗特性", 九十八年度中國材料科學學會論文集, 08-0001, 花蓮

[38] 陳建仲、溫義楷、薛聿苒、李婷婷, "高深寬比銳銦相二氧化銦奈米管的製作", 九十八年度中國材料科學學會論文集, 08-0002, 花蓮

[37] 鄭文達 陳建仲 王川豪, "雙面電致變色元件之性能探討", 九十八年度中國材料科學學會論文集, 01-0281, 花蓮

2008

[36] Kuang Hsuan Yang, Shih Hsun Chen, Chien Chon Chen, "Anodic Aluminum Oxide Surface Area" , The 214th Meeting of the Electrochemical Society, No. 312, Hawaii USA (2008)

[35] Kuang-Hsuan Yang, Shih-Hsun Chen, Chien Chon Chen, "Fabrication of Vacuum Nanotubes Using Anodic Alumina Oxide" , The 214th Meeting of the Electrochemical Society, No. 313, Hawaii USA (2008)

[34] Kuang-Hsuan Yang, Shih-Hsun Chen, Chien Chon Chen, " Fabrication of Dye-Sensitized Solar Cells (DSSC) Device Using WO₃ Nanotubes" , The 214th Meeting of the Electrochemical Society, No. 345, Hawaii USA (2008)

[33] 郭金國, 陳建仲, "利用銅-錫氧化物(ITO)回收高純度銅", 九十七年度中國材料科學學會論文集, 台北, P01-021.

[32] 楊光鈞, 陳士勛, 陳建仲, “以陽極處理方式在氟化鉀溶液中成長多孔性氧化鎢薄膜”, 九十七年度中國材料科學學會論文集, 台北, P08-0132.

2007

[31] 林金雄, 黃嘉聖, 陳俊良, 陳建仲, “氧化鈦奈米管於玻璃上之製作”, 九十六年度中國材料科學學會論文集, 新竹, P07-049, pp. 329.

[30] 林金雄, 黃嘉聖, 陳俊良, 陳建仲, “*Modification of Anodic Aluminum Oxide Template Pore Size by Chemical Etching and Electron Beam Deposition Methods*”, 九十六年度中國材料科學學會論文集, 新竹, P07-050, pp. 332.

[29] 林金雄, 黃嘉聖, 陳俊良, 陳建仲, “二氧化鈦奈米管的製作”, 九十六年度中國材料科學學會論文集, 新竹, P07-052, pp. 335.

[28] 郭金國、陳建仲、陳漢龍, “壓鑄法製作合金奈米線”, 2007 兩岸機電暨重要特色領域人才培育改進計劃學術研討會論文集, Hsinchu, Taiwan, Nov. 7, 2007, 頁 360-367.

[27] Chin-Guo KUO, Chien-Chon CHEN, Ya-Chier TUNG, “*Thermodynamic Studies on the Interaction Coefficient of Al in Fe-Al Melts*”, 2007 兩岸機電暨重要特色領域人才培育改進計劃學術研討會論文集, Hsinchu, Taiwan, Nov. 7, 2007, 頁 476-478.

2006

[26] 郭金國、陳建仲, “利用奈米模具製作奈米線”, 2006 年度模具技術, 頁 2-29, 民國 95 年 08 月 18 日.

[25] 蔡喬盈、童亞潔、蔡欣妤、陳建仲、刁維光、林金雄, “銳鈦相二氧化鈦奈米管之製作”, 九十五年度中國機械工程學會論文集, D1-024, 臺南.

2004

[24] 陳建仲、陳蓉螢、朝春光, “*The Nanowires Forming in A Template*”, 九十三年度中國材料科學學會論文集, 新竹.

2003

[23] 陳建仲、陳蓉螢、薛文景、朝春光, “*The fabrication of ordered nanochannel anodic titanium oxide and thermodynamics property of Gibbs free energy*”, International Conference on Materials for Advanced Technologies, 2003.12, Singapore.

[22] 陳建仲、陳蓉螢、周淑金、顏佳瑩、朝春光, “*Fabrication of ordered nanochannel array of anodic titanium oxide*”, 九十二年度中國材料科學學會論文集, 台南.

[21] 陳建仲、林祺淵、周淑金、顏佳瑩、朝春光, “*The Electrolytic Polishing and Anodizing of Titanium*”, 九十二年度中國材料科學學會論文集, 台南.

[20] 陳士勛、陳建仲、周淑金、顏佳瑩、朝春光, “*The Fabrication of Nano-Channels Forming on Anodic Aluminum Oxide*”, 九十二年度中國材料科學學會論文集, 台南.

[19] 邱芳懋、陳建仲、朝春光, “不銹鋼經電解拋光處理後表面奈米陣列之研究”, 九十二

年度中國材料科學學會論文集，台南。

2002

- [18] 蔡陳永、陳建仲、陳蓉瑩、朝春光，" $Al_{(l)}/NiO_{(s)}/Ni_{(s)}$ 液固介面反應機制之研究"，九十一年度中國材料科學學會論文集，台北。
- [17] 潘有涵、陳建仲、朝春光，" Al 合金之表面改質"，九十一年度中國材料科學學會論文集，台北。

2001

- [16] 陳建仲、蔡欣瑩、朝春光，2001，" $Ni-Al-O$ 系之熱力學計算"，九十年中國材料科學學會論文集，台中，論文編號：鋼鐵材料 01-09。
- [15] 陳建仲、潘有涵、朝春光，" Al 合金表面之抗蝕性改質"，九十年中國材料科學學會論文集，台中，論文編號：表面處理 11-12。

2000

- [14] 陳建仲、朝春光、劉祥鈞，" Fe 中 Al 、 O 及 e_O^{Al} 參數之決定"，八十九年度中國材料科學學會論文集，高雄，論文編號：A-01。
- [13] 陳建仲、朝春光、劉祥鈞，" Fe 中 Al 之溶解度"，八十九年度中國材料科學學會論文集，高雄，論文編號：A-50P。
- [12] 陳建仲、朝春光、劉祥鈞，" FeO 在 $FeO-CaO-SiO_2-Al_2O_3-MgO-MnO-P_2O_5$ 熔渣中之溶解度"，八十九年度中國礦冶工程學會論文集，花蓮，P-81。
- [11] 廖家慶、吳佳龍、劉祥鈞、陳建仲、朝春光，" $Ti-N-O$ 系之熱力學研究"，八十九年度中國礦冶工程學會論文集，花蓮，P-80。

1999

- [10] 劉祥鈞、陳建仲、連雙喜，" $Fe-Al-O$ 系之熱力學"，八十八年度中國礦冶工程學會論文集，台北，p59。
- [9] 黃宏志、蘇右、張印本、黃哲睿、吳建國、吳國棟、陳建仲，" $TMCP$ 鋼板應用於高入熱量銲接及其防蝕性研究"，第十二屆中國造船暨輪機工程研討會暨國科會研究計劃成果發表會論文集，桃園，pp17-26。

1998

- [8] 陳秀女、陳建仲、薛文景，" Fe 合金在人工海水中耐蝕研究"，八十七年度中國礦冶工程學會論文集，台南，F9 pp1-8。
- [7] 陳建仲、薛文景、陳立業，" $Ti-6Al-4V$ 合金表面電化學法染色與其耐蝕性質"，八十七年度中國材料科學學會論文集，台北，pp29-32。
- [6] 王忠益、高慶良、陳建仲、薛文景，" $Ti-6Al-4V$ 合金在人工唾液與 HCl 及 H_2SO_4 溶液中之

腐蝕行為研究”，八十七年度防蝕學會論文集，新竹，A14 pp87-91.

[5] 陳建仲, 高慶良, 王忠益, 薛文景, “電化學評估鈦合金表面氧化膜之特性”, 海峽兩岸材料腐蝕與防護研討會論文集, 廈門, pp154-158.

1997

[4] 陳建仲, 吳建國, 薛文景, “以交流阻抗法評估中碳鋼表面之塗裝”, 八十六年度防蝕學會論文集, 屏東, pp113-122.

[3] 陳建仲, 吳建國, 薛文景, “高張力鋼表面鍍鉻後於人工海水中腐蝕情形之研究”, 八十六年度中國材料科學學會論文集, 南投, H pp. 01-04.

[2] 陳建仲, 吳建國, 薛文景, “Electrochemical Controlled Process of Pitting Sizes of SiC”, 中華民國電子顯微鏡第十八屆學術研討會, 基隆, pp. 44-45.

1996

[1] 薛文景, 陳建仲, “電化學法探討碳化矽的腐蝕行為”, 陶業研究學會八十五年年會暨學術論文研討會, 台北.

3. 專利:

(1) 朝春光、郭金國、陳建仲、陳蓉萱, “以離心方式製作奈米材料及所製得之奈米球及奈米線”, 中華民國發明專利(2005. 11~2024. 08 年), 第 I243752 號專利。

(2) 朝春光、郭金國、陳建仲、陳蓉萱, “製造奈米線的方法與儀器”, 中華民國發明專利(2006. 09~2025. 03 年), 第 I262221 號專利。

(3) 朝春光、郭金國、陳建仲、陳蓉萱, “具陣列式奈米孔洞之氧化鋁薄膜的製造方法”, 中華民國發明專利(2007. 08~2024. 09 年), 第 I285225 號專利。

(4) 李秉璋、周淑金、陳建仲、朝春光、郭金國, “奈米金屬球的製造裝置及方法與奈米金屬粉末”, 中華民國發明專利(2008. 04~2025. 08), 第 I295598 號專利。

(5) 李秉璋、周淑金、陳建仲、朝春光、郭金國, “納米金屬球的製造裝置及方法與納米金屬粉末”, 中華人民共和國發明專利(2009. 09~2029. 09), 第 ZL 2005 1 0114576. 1 號專利。

(6) 王彥博、陳建仲、謝勝任, “絕熱建材構造”, 中華民國新型專利(2009. 05~2018. 02), 第 M356760 號專利。

(7) 王星豪、余俊慷、陳建仲、黃士豪、陳永逸, “微型化光觸媒晶片系統”, 中華民國新型專利(2011. 05~2020. 09), 第 M403379 號專利。

(8) 刁維光、陳建仲 “具有表面自我清潔特性之結構及其製造方法”, 中華民國發明專利(2011. 11. 21~2027. 03. 15), 第 I352661 號專利。

(9) 刁維光、陳建仲, “具有雙層奈米管結構之染料敏化太陽能電池及其製造方法”, 中華民國發明專利(2012. 04. 02~2028. 06. 29), 第 I362756 號專利。

- (10) 刁維光、陳建仲、鍾賢文、陳進興、宋啟瑞，“染料敏化太陽能電池結構及其製造方法”，
中華民國發明專利(2012.06.01~2011.2028.09.08)，第 1365544 號專利。
- (11) 陳智、吳樸偉、朝春光、楊慶榮、陳建仲、梁世緯，“電化學模具”，
中華民國發明專利(2012.05.21~2027.11.15)，第 1364465 號專利。
- (12) 刁維光、李陸玲、蔡喬盈、吳慧屏、陳建仲，“大面積太陽能電池的製造方法”，
中華人民共和國發明專利(2010.04.07~2030.04.07)，第 ZL 2010 1 0156522.2.1 號專利。
- (13) 刁維光、陳建仲、陳進興，“可撓式染料敏化太陽能電池之電化學製造方法”，
中華民國發明專利(2013.01.21~2028.08.31)，第 1383511 號專利。
- (14) 周峙承、陳建仲、魏嘉志，“用於水處理的光觸媒抗菌板及其製造方法”，
中華民國發明專利(2014.03.01~2030.08.15)，第 1428182 號專利。
- (15) 陳建仲、陳士新，“表面處理系統及其用途”，
中華民國發明專利(2014.04.21~2032.05.27)，第 1434961 號專利。
- (16) 陳建仲、陳柏均、謝勝任，“檢測元件及其製造方法與用途”，
中華民國發明專利(2014.11.01~2032.05.13)，第 1458962 號專利。
- (17) 許獻中、陳建仲，“圖案結構與該圖案結構的製造方法”，
中華民國發明專利(2015.01.21~2031.03.06)，第 1471077 號專利。
- (18) 陳建仲、陳志遠、楊希文，“一種奈米金屬線固態電容器結構與製造方法”，
中華民國發明專利(2015.03.01~2034.05.01)，第 1475583 號專利。
- (19) 黃科志、蔡登宏、楊燦楠、陳順林、陳建仲，“具有次微米柱狀排列的閃爍晶體結構與製造方法”，
中華民國發明專利(2015.03.11~2032.11.12)，第 1476143 號專利。
- (20) 陳建仲、陳志遠、林金雄、洪千萬、楊希文，“一種適用於發光二極體之二次光學鏡或太陽能電池的折射或聚光鏡之局部表面處理用模具”，
中華民國發明專利(2015.04.11~2034.05.01)，第 1480428 號專利。
- (21) 陳志遠、陳建仲、楊希文，“奈米鋼鐵線結構及製程”，
中華民國發明專利(2015.04.11~2034.06.12)，第 1480393 號專利。
- (22) 陳炎洲、陳建仲、張紹甫、黃源成、余慶聰，“一種利用水煤氣進行二氧化碳分離及產生氫氣之薄膜反應器結構”，
中華民國發明專利(2015.07.11~2034.08.07)，第 1491437 號專利。
- (23) 邱耀平、林昱劭、陳柏壯、許文震、陳炎洲、陳建仲，“漸擴式薄膜反應裝置”，
中華民國發明專利(2015.08.11~2033.10.28)，第 1495510 號專利。
- (24) 陳建仲、陳志遠、洪千萬、楊希文，“一種適用於能源材料製作之真空熱處理腔體”，
中華民國發明專利(2016.01.01~2034.05.01)，第 1515405 號專利。
- (25) 陳建仲、陳志遠、林金雄、洪千萬、楊希文，“一種能源材料使用之組合式氣氛控制壓鑄腔體”，
中華民國發明專利(2016.01.01~2034.06.12)，第 1515059 號專利。
- (26) 陳建仲、陳志遠、賴冠廷、楊希文，“一種製造氮化鋁方法”，
中華民國發明專利(2016.02.21~2034.09.28)，第 1522311 號專利。

- (27) Chien Chon Chen, "Ordering structure of scintillator and fabrication method",
美國發明專利 (2012. 12. 12 ~2032. 12. 12), US 9316742 B2
- (28) Ker Jer Huang, Deng Horng Tsai, Tsan Nan Yang, Soon Lin Chen, Chien Chon Chen,
" Ordering structure of scintillator and fabrication method",
美國發明專利 (2014. 06. 23 ~2034. 06. 23), US9551793 B2
- (29) 洪千萬, 周鍾煜, 王釗如, 陳志遠, 陳建仲, "一種具有冷卻功能的電化學治具",
中華民國發明專利 (2016. 10. 21~2035. 04. 07), 第 I554650 號專利。
- (30) 白清源、林明源、楊政恩、洪千萬、李陸玲、陳建仲, "一種表面具有純鋁貼合的鋁合金基材",
中華民國發明專利 (2017. 01. 01~2036. 04. 18), 第 I564142 號專利。
- (31) 姜文興、陳建仲, "利用真空與噴射蒸氣對陽極氧化膜封孔的封孔設備及其方法",
中華民國發明專利 (2017. 06. 21~2036. 04. 07), 第 I588300 號專利。
- (32) 陳建仲、張紹甫、李陸玲、周鍾煜、楊希文, "一種管狀太陽能電池",
中華民國發明專利 (2017. 07. 01~2036. 11. 13), 第 I590502 號專利。
- (33) 陳建仲、洪千萬, "一種具有奈米或次微米孔洞的管狀鋁陽極處理膜的製作方法",
中華民國發明專利 (2018. 06. 21~2037. 05. 02), 第 I627316 號專利。
- (34) 李俊傑、趙長威、仰允凡、梁智凱、洪千萬、陳志遠、陳建仲, "一種電化學製程掛具"
中華民國發明專利 (2020. 12. 01~2040. 02. 16), 第 I711723 號專利。
- (35) 陳建仲、劉家賢、陳志遠, "一種具有表面陽極處理結構之鋼鐵材料與其製造方法"
中華民國發明專利 (2022. 05. 01~2041. 01. 05), 第 I763238 號專利。

三、學術獎勵及榮譽事項：

- (1) 99、100、101、102、103、104、105、106、107、110、111、112、113、114 科技部「補助大專校院特殊優秀人才」獎勵
- (2) 101、104 年國立聯合大學研究優良教師獎勵
- (3) 105、107、110、111、112、113、114 年國立聯合大學產學合作績優獎
- (4) 100、101、102、103、104 年國立聯合大學理工學院學術研究傑出獎
- (5) 101、102、103、110 年國立聯合大學理工學院產學績優獎
- (6) 2018 法國巴黎雷明國際發明展 銀牌獎，陳建仲、陳志遠、洪千萬、楊希文，“一種適用於能源材料製作之真空熱處理腔體”
- (7) 2018 法國巴黎雷明國際發明展 銀牌獎，陳建仲、張紹甫、李陸玲、周鍾煜、楊希文，“一種管狀太陽能電池”
- (8) 2019 法國巴黎雷平國際發明展 金牌獎，陳建仲、洪千萬，“一種具有奈米或次微米孔洞的管狀鋁陽極處理膜的製作方法”
- (9) 2019 法國巴黎雷平國際發明展 金牌獎，陳建仲、陳志遠、林金雄、洪千萬、楊希文，“一種適用於發光二極體之二次光學鏡或太陽能電池的折射或聚光鏡之局部表面處理用模具”
- (10) 2019 台灣創新技術博覽會發明競賽 金牌獎，陳建仲、陳志遠、洪千萬、楊希文，“一種適用於能源材料製作之真空熱處理腔體”
- (11) 2019 台灣創新技術博覽會發明競賽 金牌獎，陳建仲、陳志遠、林金雄、洪千萬、楊希文，“一種能源材料使用之組合式氣氛控制壓鑄腔體”
- (12) 2019 台灣創新技術博覽會發明競賽 金牌獎，白清源、林明源、楊政恩、洪千萬、李陸玲、陳建仲，“一種表面具有純鋁貼合的鋁合金基材”
- (13) 2019 台灣創新技術博覽會發明競賽 銀牌獎，陳建仲、洪千萬，“一種具有奈米或次微米孔洞的管狀鋁陽極處理膜的製作方法”
- (14) 2019 中華民國傑出發明家總會第 16 屆國際傑出發明家終身傑出獎。
(18) 國科會台灣創新技術博覽會「2022 產學小聯盟績優聯盟獎」“陽極處理先進技術諮詢與陽極膜性質檢測及結構解析技術產業應用服務(2/3)”，陳建仲、陳志遠、李陸玲、楊希文。
- (15) 國科會台灣創新技術博覽會「2022 未來科技獎」“高效固態儲氫合金及可攜式溫控儲放氫瓶”，謝宗霖、顏鴻威、陳建仲、林新智、丘群。
- (16) 榮獲 2024 第五屆《遠見》USR 大學社會責任獎「台灣玻璃產業創新平台：一顆玻璃心、一世玻璃情」，楊希文，吳芳賓，賴宜生，陳建仲，謝健，徐義權。
- (17) 2026 法國巴黎雷平國際發明展 銀牌獎，陳建仲、李昀錡、程世安，“攜帶型固態儲氫罐”
- (18) 2026 法國巴黎雷平國際發明展 銀牌獎，陳建仲、王星云、程世安，“可攜帶式空氣清淨光觸媒管”

四、院務理念

教學：

協助學生未來朝向升學或就業的分流教學、爭取經費改善教學實驗設備、推動學生專題競賽活動。

研究：

媒合教師爭取政府補助計畫案或產學合作計畫案、協助教師在短期內能夠獲得升等、協助教師提升研究環境。

服務：

整合院內系所特色對外爭取大資源、提升院內公共空間特色、獎勵系所教師與學生相關傑出事蹟。

1. 資料表請儘量填寫，若有其他相關資料也歡迎提供。

2. 本表若不敷使用請自行影印