

趙基揚

著作目錄

期刊論文

1. Mozaffar Abdollahifar, Andrey Vinograd, Chia-Yang Lu, Shu-Jui Chang, Jannes Muller, Lars Frankenstein, Tobias Placke, Arno Kwade, Martin Winter, Chi-Yang Chao,* and Nae-Lih Wu* (2022, Aug). Enabling Long-Cycling Life of Si-on-Graphite Composite Anodes via Fabrication of a Multifunctional Polymeric Artificial Solid-Electrolyte Interphase Protective Layer. *ACS Applied Materials & Interfaces*, 14, 38824-38834. (SCIE). 本人為通訊作者.
2. Chih-Hao Chang*, Chih-Hung Chang, Ya-Wen Yang, Hsuan-Yu Chen, Shu-Jyuan Yang, Wei-Cheng Yao and Chi-Yang Chao* (2022, Jan). Quaternized Amphiphilic Block Copolymers as Antimicrobial Agents. *Polymers*, 14, 250. (SCIE). 本人為通訊作者.
3. Chun-Fu Lu, Song-Fu Liao, Ke-Hsin Wang, Chin-Ti Chen, Chi-Yang Chao and Wei-Fang Su* (2019, Nov). Rapid template-free synthesis of nanostructured conducting polymer films by tuning their morphology using hyperbranched polymer additives. *Nanoscale*, 11, 20977-20986. (SCI, 41/293, Materials Science, multidisciplinary).
4. Song-Fu Liao, Chun-Fu Lu, Adane Desta Fenta, Chin-Ti Chen,* Chi-Yang Chao* and Wei-Fang Su (2019, Oct). High face-on ratio isoindigo copolymers with extended nano-fibrillar networks in fullerene-based thick (> 300 nm) photovoltaics achieving a high efficiency of 10.7%. *Journal of Materials Chemistry A*, 7, 21309-21320. (SCI, 21/293, Materials Science, multidisciplinary). 本人為通訊作者.
5. Chun-Fu Lu, Song-Fu Liao, Iu-Fan Chen, Chin-Ti Chen, Chi-Yang Chao, and Wei-Fang Su (2019, Aug). Detecting Minute Chemical Vapors via Chemical Interactions between Analyte and Fluorinated Thiophene-Isoindigo Conjugated Polymer Transistor. *ACS Applied Electronic Materials*, 1(9), 1873-1880.
6. Kun-Lin Liu, Chung-Hsiang Chao, Hsin-Chieh Lee, Cheng-Si Tsao, Jason Fang, Nae-Lih Wu, Chi-Yang Chao (2019, Apr). A novel non-porous separator based on single-ion conducting triblock copolymer for stable lithium electrodeposition. *Journal of Power Sources*, 419(15), 58-64. (SCI, 32/293, Materials Science, multidisciplinary). 本人為通訊作者.
7. Song-Fu Liao; Chin-Ti Chen; Chi-Yang Chao (2017, Aug). Isoindigo-

dicyanobithiophene-Based Copolymer for High Performance Polymer-Fullerene Solar Cells Reaching 1.06 V Open Circuit Voltage and 8.36% Power Conversion Efficiency. *ACS Macro Letters*, 6(9), 969-974. (SCI, 6/87, Polymer Science). 本人為通訊作者.

8. Ian Cheng-Yi Hou; Vijayendra Shetti; Shou-Ling Huang; Kun-Lin Liu; Chi-Yang Chao; Song-Cheng Lin; You-Jen Lin; Li-Yin Chenc; Luh Tien-Yau Luh (2017, Mar). Poly[2(6)-aminoazulene]: synthesis, photophysical properties, and proton conductivity. *Organic Chemistry Frontiers*, 4(5), 773-778. (SCI, 8/59, Chemistry, Organic).

研討會論文

1. Chi-Yang Chao*, Kun-Lin Liu, Jason Fang and Nae-Lih Wu (2019, Oct). Single-Ion Conducting Triblock Copolymer for Stable Lithium Electrodeposition. FAPS 2019 (The 6th Federation of Asian Polymer Societies International Polymer Congress), Taipei, Taiwan. 本人為第一作者、通訊作者.
2. C.-Y. Chao*, K.-L. Liu, N.-L. Wu, C.-H. Chao and J. Fang (2019, Jun). Single-Ion Conducting Polyelectrolyte Membranes for Stable Lithium Electrodeposition in Lithium Metal Batteries. IMCT 2019 (International Membrane Conference in Taiwan 2019), Taipei, Taiwan. 本人為第一作者、通訊作者.
3. Chi-Yang CHAO, Kun-Lin LIU, Chung-Hsiang CHAO, Jason FANG and Nae-Lih WU (2019, Jun). Single-Ion Conducting Triblock Copolymer for Stable Lithium Electrodeposition. ICMAT 2019 (10th International Conference on Materials for Advanced Technologies), Singapore. 本人為通訊作者.
4. Chia-Yang Lu, Chi-Yang Chao* and Nae-Lih Wu (2019, May). Improving Rate Capability and Coulombic Efficiency Via Crosslinking Sulfonated Chitosan Protective Coating on Natural Graphite Anode in Lithium Ion Batteries. 235th ECS Meeting, Dallas, TX, USA. 本人為通訊作者.
5. Cheng-Hung Liao, Chi-Yang Chao and Nae-Lih Wu (2018, Dec). Single Ion Conducting Block Copolymer for Protective Coating of Graphite and Si@G anode of Lithium Ion Batteries. The 12th SPSJ International Polymer Conference (IPC2018), Hiroshima, JAPAN. 本人為通訊作者.
6. Cheng-Hung Liao, Chi-Yang Chao* and Nae-Lih Wu* (2018, Nov). Single Ion Conducting Block Copolymer for Protective Coating of Graphite and Si@G anode of Lithium Ion Batteries. The 2018 International Conference on Green Electrochemical Technologies, Tainan, Taiwan. 本人為通訊作者.
7. Chen, Chin-Ti; Liao, Song-Fu; Chao, Chi-Yang (2018, Aug). Combination of GIWAXS and TEM study in understanding polymer-fullerene fibrillar network

structure. 31st European Crystallographic Meeting, Oviedo, Spain. 本人為通訊作者.

8. Chi-Yang Chao; Chien-Wen Huang (2017, Nov). Poly(3-alkylthiophene): Precise Synthesis and Electro-optical Properties. 2017 IUMRS-ICA, Taipei, TAIWAN. 本人為第一作者、通訊作者.
9. Chi-Yang Chao; Yi-Ling Liu (2017, Nov). Novel pentablock copolymers bearing pendant lithium sulfonates for lithium metal batteries. 2017 IUMRS-ICA, Taipei, TAIWAN. 本人為第一作者、通訊作者.
10. Ning Chung; Po-Hsun Wu; Chi-Yang Chao (2017, Nov). Poly(3-alkylthiophene): Precise Synthesis and Electro-optical Properties. 2017 IUMRS-ICA, Taipei, TAIWAN. 本人為通訊作者.