

Sheng-Heng Chung

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Education

2011 – 2015 Ph. D. The University of Texas at Austin (Materials Science and Engineering)

2006 – 2008 M. S. National Tsing Hua University (Materials Science and Engineering)

2002 – 2006 B. S. National Cheng Kung University (Resources Engineering)

Professional Career

2022.08– Present Associate Professor, Dpt. Mater. Sci. Eng., National Cheng Kung University

2019.08 – 2022.07 Assistant Professor, Dpt. Mater. Sci. Eng., National Cheng Kung University

2016.01 – 2019.01 Research Associate, Texas Materials Institute (UT-Austin)

Selected Publications

1. Cheng-Che Wu, Tzu-Ching Chan, Sheng-Heng Chung*, Progress on Critical Cell Fabrication Parameters and Designs for Advanced Lithium–Sulfur Batteries, *Chem. Commun.* 2024, 60, 11017-11033.
2. Yu-Chen Wang, Sheng-Heng Chung*, Development and Optimization of Thin-Lithium-Metal Anodes with a Lithium Lanthanum Titanate Stabilization Coating for Enhancement of Lithium–Sulfur Battery Performance, *Small* 2024, 20, 202406579.
3. Guan-Ting Yu, Sheng-Heng Chung*, Rational Design of a High-Loading Polysulfide Cathode and a Thin-Lithium Anode for Developing Lean-Electrolyte Lithium–Sulfur Full Cells, *Small* 2023, 19, 2303490.
4. Chui-Yi Kung, Sheng-Heng Chung*, Electrolessly Tin-plated Sulfur Nanocomposite for Practical Lean-electrolyte Lithium–Sulfur Cells with a High-loading Sulfur Cathode, *Mater. Horiz.* 2023, 10, 4857-4867.

Research Interests

1. Energy Storage and Conversion Technology.
2. Electrochemistry.
3. Energy Materials.
4. Metal–sulfur and Lithium-ion Batteries.

Awards

1. Royal Society of Chemistry 「Outstanding Reviewer for Materials Horizon 2022 and 2024」
2. Royal Society of Chemistry 「Outstanding Reviewer for Journal of Materials Chemistry A 2021 and 2023」
3. Taiwan Comprehensive University System, Taiwan 「Young Scholars Innovative R&D Results Selection Winners 2021–2024」
4. National Science and Technology Council, Taiwan 「2023 Future Tech Award」
5. National Science and Technology Council, Taiwan 「Young Scholar Fellowship」