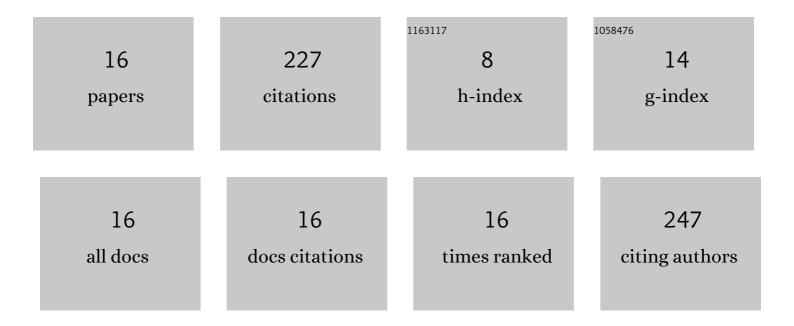
## Shih-Chieh Hsu

List of Publications by Year in descending order

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<u> Снін-Снігн Неіі</u>

| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Unraveling the Anomalous Surface-Charge-Dependent Osmotic Power Using a Single Funnel-Shaped<br>Nanochannel. ACS Nano, 2019, 13, 13374-13381.   | 14.6 | 86        |
| 2  | The study of wet etching on GaN surface by potassium hydroxide solution. Research on Chemical Intermediates, 2017, 43, 3563-3572.   | 2.7  | 32        |
| 3  | Novel patterned sapphire substrates for enhancing the efficiency of GaN-based light-emitting diodes.<br>RSC Advances, 2020, 10, 16284-16290.  | 3.6  | 18        |
| 4  | The effect of dual-doping on the electrochemical performance of LiNi0.5Mn1.5O4 and its application in fullâ€cell lithiumâ€ion batteries. Ceramics International, 2022, 48, 14778-14788.                     | 4.8  | 12        |
| 5  | Preparation of Ni(OH)2/CuO heterostructures for improved photocatalytic degradation of organic pollutants and microorganism. Chemosphere, 2022, 300, 134484.  | 8.2  | 12        |
| 6  | Polyimide-Derived Carbon-Coated Li4Ti5O12 as High-Rate Anode Materials for Lithium Ion Batteries.<br>Polymers, 2021, 13, 1672.  | 4.5  | 10        |
| 7  | Modification of aluminum current collectors with laser-scribed graphene for enhancing the performance of lithium ion batteries. Journal of Power Sources, 2021, 506, 230060.                                | 7.8  | 10        |
| 8  | Substrate Lattice-Guided MoS <sub>2</sub> Crystal Growth: Implications for van der Waals Epitaxy.<br>ACS Applied Nano Materials, 2021, 4, 4930-4938.  | 5.0  | 9         |
| 9  | Enhancing the insulation of wide-range spectrum in the PVA/N thin film by doping ZnO nanowires. RSC Advances, 2014, 4, 45419-45424.   | 3.6  | 8         |
| 10 | Tuning Interfacial Thermal and Electrical Conductance across a Metal/MoS <sub>2</sub> Monolayer<br>through <i>N</i> â€Methylâ€2â€pyrrolidone Wet Cleaning. Advanced Materials Interfaces, 2020, 7, 2000364. | 3.7  | 7         |
| 11 | Rapid Detection of Glucose on Nanostructured Gold Film Biosensor by Surface-Enhanced Raman<br>Spectroscopy. Biosensors, 2021, 11, 54.   | 4.7  | 7         |
| 12 | Bio-Phenolic Resin Derived Porous Carbon Materials for High-Performance Lithium-Ion Capacitor.<br>Polymers, 2022, 14, 575.  | 4.5  | 6         |
| 13 | Morphology evolution and electrochemical behavior of NixMn1-x(OH)2 mixed hydroxides as high-performance electrode for supercapacitor. Electrochimica Acta, 2022, 403, 139692.                               | 5.2  | 5         |
| 14 | Synergistic effect of doping and surface engineering on LiNi0.5Mn1.5O4 and its application as a high-performance cathode material for Li-ion batteries. Ceramics International, 2022, 48, 27859-27869.      | 4.8  | 5         |
| 15 | Solvothermal Preparation and Effects of Mixed Solvent on the Properties of Copper Indium Diselenide<br>Nanoalloys. Journal of the Chinese Chemical Society, 2014, 61, 274-278.                              | 1.4  | 0         |
| 16 | Applying the selective Cu electroplating technique to light-emitting diodes. Research on Chemical<br>Intermediates, 2014, 40, 2347-2354.  | 2.7  | 0         |