

# Shih-Chieh Hsu

## List of Publications by Year in descending order

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16  
papers

227  
citations

1163117

8  
h-index

1058476

14  
g-index

16  
all docs

16  
docs citations

16  
times ranked

247  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Bio-Phenolic Resin Derived Porous Carbon Materials for High-Performance Lithium-Ion Capacitor. <i>Polymers</i> , 2022, 14, 575.   | 4.5  | 6         |
| 2  | Morphology evolution and electrochemical behavior of $Ni_xMn_{1-x}(OH)_2$ mixed hydroxides as high-performance electrode for supercapacitor. <i>Electrochimica Acta</i> , 2022, 403, 139692.                            | 5.2  | 5         |
| 3  | The effect of dual-doping on the electrochemical performance of $LiNi_{0.5}Mn_{1.5}O_4$ and its application in full-cell lithium-ion batteries. <i>Ceramics International</i> , 2022, 48, 14778-14788.                  | 4.8  | 12        |
| 4  | Preparation of $Ni(OH)_2/CuO$ heterostructures for improved photocatalytic degradation of organic pollutants and microorganism. <i>Chemosphere</i> , 2022, 300, 134484.   | 8.2  | 12        |
| 5  | Synergistic effect of doping and surface engineering on $LiNi_{0.5}Mn_{1.5}O_4$ and its application as a high-performance cathode material for Li-ion batteries. <i>Ceramics International</i> , 2022, 48, 27859-27869. | 4.8  | 5         |
| 6  | Rapid Detection of Glucose on Nanostructured Gold Film Biosensor by Surface-Enhanced Raman Spectroscopy. <i>Biosensors</i> , 2021, 11, 54.  | 4.7  | 7         |
| 7  | Substrate Lattice-Guided $MoS_2$ Crystal Growth: Implications for van der Waals Epitaxy. <i>ACS Applied Nano Materials</i> , 2021, 4, 4930-4938.  | 5.0  | 9         |
| 8  | Polyimide-Derived Carbon-Coated $Li_4Ti_5O_{12}$ as High-Rate Anode Materials for Lithium Ion Batteries. <i>Polymers</i> , 2021, 13, 1672.  | 4.5  | 10        |
| 9  | Modification of aluminum current collectors with laser-scribed graphene for enhancing the performance of lithium ion batteries. <i>Journal of Power Sources</i> , 2021, 506, 230060.                                    | 7.8  | 10        |
| 10 | Novel patterned sapphire substrates for enhancing the efficiency of GaN-based light-emitting diodes. <i>RSC Advances</i> , 2020, 10, 16284-16290.   | 3.6  | 18        |
| 11 | Tuning Interfacial Thermal and Electrical Conductance across a Metal/ $MoS_2$ Monolayer through <i>N-Methyl-2-pyrrolidone</i> Wet Cleaning. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000364.                    | 3.7  | 7         |
| 12 | Unraveling the Anomalous Surface-Charge-Dependent Osmotic Power Using a Single Funnel-Shaped Nanochannel. <i>ACS Nano</i> , 2019, 13, 13374-13381.  | 14.6 | 86        |
| 13 | The study of wet etching on GaN surface by potassium hydroxide solution. <i>Research on Chemical Intermediates</i> , 2017, 43, 3563-3572.   | 2.7  | 32        |
| 14 | Solvothermal Preparation and Effects of Mixed Solvent on the Properties of Copper Indium Diselenide Nanoalloys. <i>Journal of the Chinese Chemical Society</i> , 2014, 61, 274-278.                                     | 1.4  | 0         |
| 15 | Enhancing the insulation of wide-range spectrum in the PVA/N thin film by doping ZnO nanowires. <i>RSC Advances</i> , 2014, 4, 45419-45424.   | 3.6  | 8         |
| 16 | Applying the selective Cu electroplating technique to light-emitting diodes. <i>Research on Chemical Intermediates</i> , 2014, 40, 2347-2354.   | 2.7  | 0         |