

Shih-Chieh Hsu

List of Publications by Year in descending order

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16
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docs citations

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times ranked

247
citing authors

#	ARTICLE	IF	CITATIONS
1	Unraveling the Anomalous Surface-Charge-Dependent Osmotic Power Using a Single Funnel-Shaped 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. RSC Advances, 2020, 10, 16284-16290.	3.6	18
4	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. 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 Li ₄ Ti ₅ O ₁₂ as High-Rate Anode Materials for Lithium Ion Batteries. 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 ₂ Crystal Growth: Implications for van der Waals Epitaxy. 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 ₂ Monolayer through N-Methyl-2-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 Spectroscopy. Biosensors, 2021, 11, 54.	4.7	7
12	Bio-Phenolic Resin Derived Porous Carbon Materials for High-Performance Lithium-Ion Capacitor. Polymers, 2022, 14, 575.	4.5	6
13	Morphology evolution and electrochemical behavior of Ni _x Mn _{1-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 LiNi _{0.5} Mn _{1.5} O ₄ 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 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 Intermediates, 2014, 40, 2347-2354.	2.7	0