

Chun-Lung Huang

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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915
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#	ARTICLE	IF	CITATIONS
1	Composition-balanced trimetallic MOFs as ultra-efficient electrocatalysts for oxygen evolution reaction at high current densities. <i>Applied Catalysis B: Environmental</i> , 2020, 279, 119375.	20.2	102
2	NiFe Alloy Nanotube Arrays as Highly Efficient Bifunctional Electrocatalysts for Overall Water Splitting at High Current Densities. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 24096-24106.	8.0	85
3	NiFeMo alloy inverse-opals on Ni foam as outstanding bifunctional catalysts for electrolytic water splitting of ultra-low cell voltages at high current densities. <i>Applied Catalysis B: Environmental</i> , 2020, 267, 118376.	20.2	77
4	Bimetallic Metal-Organic Framework-Derived Hybrid Nanostructures as High-Performance Catalysts for Methane Dry Reforming. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 15183-15193.	8.0	67
5	(Ni _x Fe _y Co _{6-x-y})Mo ₆ C cuboids as outstanding bifunctional electrocatalysts for overall water splitting. <i>Applied Catalysis B: Environmental</i> , 2021, 290, 120049.	20.2	47
6	Gold nanocrystal decorated trimetallic metal organic frameworks as high performance electrocatalysts for oxygen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2021, 286, 119916.	20.2	45
7	Nitrogen-doped carbon nanoboxes as high rate capability and long-life anode materials for high-performance Li-ion capacitors. <i>Chemical Engineering Journal</i> , 2020, 396, 125314.	12.7	41
8	Hollow Porous Fe ₂ O ₃ Nanoparticles as Anode Materials for High-Performance Lithium-Ion Capacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 1180-1192.	6.7	38
9	Pulse electrodeposited FeCoNiMnW high entropy alloys as efficient and stable bifunctional electrocatalysts for acidic water splitting. <i>Chemical Engineering Journal</i> , 2022, 446, 137452.	12.7	37
10	In-situ grown metal-organic framework-derived carbon-coated Fe-doped cobalt oxide nanocomposite on fluorine-doped tin oxide glass for acidic oxygen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2022, 303, 120899.	20.2	35
11	In-Situ Grown, Passivator-Modulated Anodization Derived Synergistically Well-Mixed Ni-Fe Oxides from Ni Foam as High-Performance Oxygen Evolution Reaction Electrocatalyst. <i>ACS Applied Energy Materials</i> , 2019, 2, 743-753.	5.1	34
12	Small highly mesoporous silicon nanoparticles for high performance lithium ion based energy storage. <i>Chemical Engineering Journal</i> , 2020, 400, 125958.	12.7	32
13	NiFe/(Ni,Fe) ₃ S ₂ Core/Shell Nanowire Arrays as Outstanding Catalysts for Electrolytic Water Splitting at High Current Densities. <i>Small Methods</i> , 2019, 3, 1900234.	8.6	28
14	Enhanced photolysis stability of Cu ₂ O grown on Cu nanowires with nanoscale twin boundaries. <i>Nanoscale</i> , 2019, 11, 13709-13713.	5.6	26
15	Suppression of interdiffusion-induced voiding in oxidation of copper nanowires with twin-modified surface. <i>Nature Communications</i> , 2018, 9, 340.	12.8	25
16	Porous N-doped carbon nanostructure integrated with mesh current collector for Li-ion based energy storage. <i>Chemical Engineering Journal</i> , 2019, 374, 201-210.	12.7	24
17	Twinning Enhances Efficiencies of Metallic Catalysts toward Electrolytic Water Splitting. <i>Advanced Energy Materials</i> , 2021, 11, 2101827.	19.5	24
18	Triple functionalization of carved N-doped carbon nanoboxes with synergistic trimetallic sulphide for high performance lithium-sulphur batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 9028-9037.	10.3	20

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19	Chemical reactivity of twin-modified copper nanowire surfaces. Applied Physics Letters, 2015, 107, .	3.3	14
20	N-Doped Hierarchical Continuous Hollow Thin Porous Carbon Nanostructure for High-Performance Flexible Gel-Type Symmetric Supercapacitors. ACS Sustainable Chemistry and Engineering, 2019, 7, 17020-17029.	6.7	9
21	Morphology, Texture and Twinning Structure of Cu Films Prepared by Low-Temperature Electroplating. Journal of the Electrochemical Society, 2013, 160, D3070-D3074.	2.9	7
22	Twinning Enhances Efficiencies of Metallic Catalysts toward Electrolytic Water Splitting (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	19.5	3
23	Alkaline Water Splitting: NiFe/(Ni,Fe) ₃ S ₂ Core/Shell Nanowire Arrays as Outstanding Catalysts for Electrolytic Water Splitting at High Current Densities (Small Methods) Tj ETQq1 1 0.784834 rgBT /Overlock 1	19.5	3
24	Enhancing Chemical Stability of Electroplated Cu Films by Engineering Electrolyte Chemistry and Twinning Structure. Journal of Electronic Materials, 2015, 44, 2529-2535.	2.2	0