

Liangsheng Hu

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

49
papers

2,531
citations

22
h-index

50
g-index

51
ext. papers

3,547
ext. citations

10.5
avg, IF

5.62
L-index

#	Paper	IF	Citations
49	Recent Advances in Electrocatalytic Hydrogen Evolution Using Nanoparticles. <i>Chemical Reviews</i> , 2020 , 120, 851-918	68.1	722
48	Recent advance in MXenes: A promising 2D material for catalysis, sensor and chemical adsorption. <i>Coordination Chemistry Reviews</i> , 2017 , 352, 306-327	23.2	315
47	Hydrogenated V ₂ O ₅ Nanosheets for Superior Lithium Storage Properties. <i>Advanced Functional Materials</i> , 2016 , 26, 784-791	15.6	110
46	Synthesis and Photocatalytic Activity of Highly Ordered TiO ₂ and SrTiO ₃ /TiO ₂ Nanotube Arrays on Ti Substrates. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 2771-2778	3.8	103
45	An antibacterial platform based on capacitive carbon-doped TiO nanotubes after direct or alternating current charging. <i>Nature Communications</i> , 2018 , 9, 2055	17.4	99
44	Au Nanoparticles Decorated TiO ₂ Nanotube Arrays as a Recyclable Sensor for Photoenhanced Electrochemical Detection of Bisphenol A. <i>Environmental Science & Technology</i> , 2016 , 50, 4430-8	10.3	97
43	Vanadium carbide nanoparticles encapsulated in graphitic carbon network nanosheets: A high-efficiency electrocatalyst for hydrogen evolution reaction. <i>Nano Energy</i> , 2016 , 26, 603-609	17.1	92
42	Ni/Co-based nanosheet arrays for efficient oxygen evolution reaction. <i>Nano Energy</i> , 2018 , 52, 360-368	17.1	88
41	In situ segregation of cobalt nanoparticles on VN nanosheets via nitriding of Co ₂ V ₂ O ₇ nanosheets as efficient oxygen evolution reaction electrocatalysts. <i>Nano Energy</i> , 2017 , 34, 1-7	17.1	81
40	Photocatalytic water splitting by N-TiO on MgO (111) with exceptional quantum efficiencies at elevated temperatures. <i>Nature Communications</i> , 2019 , 10, 4421	17.4	76
39	Ni-doped amorphous iron phosphide nanoparticles on TiN nanowire arrays: An advanced alkaline hydrogen evolution electrocatalyst. <i>Nano Energy</i> , 2018 , 53, 66-73	17.1	72
38	Copper nanoparticles/polyaniline/graphene composite as a highly sensitive electrochemical glucose sensor. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 781, 155-160	4.1	66
37	Recyclable and high-sensitivity electrochemical biosensing platform composed of carbon-doped TiO ₂ nanotube arrays. <i>Analytical Chemistry</i> , 2011 , 83, 8138-44	7.8	62
36	One-step growth and field emission properties of quasisaligned TiO ₂ nanowire/carbon nanocone core-shell nanostructure arrays on Ti substrates. <i>Applied Physics Letters</i> , 2008 , 93, 013105	3.4	51
35	Direct anodic exfoliation of graphite onto high-density aligned graphene for large capacity supercapacitors. <i>Nano Energy</i> , 2017 , 34, 515-523	17.1	49
34	Mechanism of cell repellence on quasi-aligned nanowire arrays on Ti alloy. <i>Biomaterials</i> , 2010 , 31, 8341-915.6	15.6	48
33	CuZnSnS/MoS-Reduced Graphene Oxide Heterostructure: Nanoscale Interfacial Contact and Enhanced Photocatalytic Hydrogen Generation. <i>Scientific Reports</i> , 2017 , 7, 39411	4.9	40

32	Core-shell TiC/C quasi-aligned nanofiber arrays on biomedical Ti6Al4V for sensitive electrochemical biosensing. <i>Chemical Communications</i> , 2010 , 46, 6828-30	5.8	34
31	Recyclable Non-Enzymatic Glucose Sensor Based on Ni/NiTiO ₂ /TiO ₂ Nanotube Arrays. <i>ChemPlusChem</i> , 2015 , 80, 576-582	2.8	29
30	Lithiation Kinetics in High-Performance Porous Vanadium Nitride Nanosheet Anode. <i>Electrochimica Acta</i> , 2016 , 214, 201-207	6.7	25
29	Use of carbon supports with copper ion as a highly sensitive non-enzymatic glucose sensor. <i>Sensors and Actuators B: Chemical</i> , 2019 , 282, 187-196	8.5	25
28	Hydrothermal synthesis of perovskite-type MTiO ₃ (M = Zn, Co, Ni)/TiO ₂ nanotube arrays from an amorphous TiO ₂ template. <i>CrystEngComm</i> , 2014 , 16, 10280-10285	3.3	23
27	Porous Dual-Layered MoO _x Nanotube Arrays with Highly Conductive TiN Cores for Supercapacitors. <i>ChemElectroChem</i> , 2015 , 2, 512-517	4.3	22
26	Palladium Separation by Pd-Catalyzed Gel Formation via Alkyne Coupling. <i>Chemistry of Materials</i> , 2019 , 31, 7386-7394	9.6	20
25	Nonleaching Antibacterial Concept Demonstrated by In Situ Construction of 2D Nanoflakes on Magnesium. <i>Advanced Science</i> , 2020 , 7, 1902089	13.6	20
24	Electrochemical CO ₂ reduction (CO ₂ RR) to multi-carbon products over copper-based catalysts. <i>Coordination Chemistry Reviews</i> , 2022 , 454, 214340	23.2	19
23	Controllable growth of conical and cylindrical TiO ₂ -carbon core-shell nanofiber arrays and morphologically dependent electrochemical properties. <i>Chemistry - A European Journal</i> , 2011 , 17, 14552-14558	4.8	15
22	CuI-Mediated Ultra-efficient Electrooxidation of Glucose. <i>ChemElectroChem</i> , 2017 , 4, 2788-2792	4.3	14
21	Fabrication and Photocatalytic Activity of Nanoporous WO ₃ Film. <i>Nanoscience and Nanotechnology Letters</i> , 2010 , 2, 51-57	0.8	14
20	Dominant Factors Governing the Electron Transfer Kinetics and Electrochemical Biosensing Properties of Carbon Nanofiber Arrays. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 28872-28879	9.5	14
19	Arrays of nanofibers composed of a TiC core and a carbon coating for sensitive electrochemical detection of hydrazine. <i>Mikrochimica Acta</i> , 2011 , 175, 137-143	5.8	12
18	Novel Cu-Fe bi-metal oxide quantum dots coupled g-C ₃ N ₄ nanosheets with H ₂ O ₂ adsorption-activation trade-off for efficient photo-Fenton catalysis. <i>Applied Catalysis B: Environmental</i> , 2021 , 120765	21.8	12
17	Blue ordered/disordered Janus-type TiO ₂ nanoparticles for enhanced photocatalytic hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 22828-22839	13	10
16	TiO ₂ film supported by vertically aligned gold nanorod superlattice array for enhanced photocatalytic hydrogen evolution. <i>Chemical Engineering Journal</i> , 2021 , 417, 127900	14.7	8
15	Development of a novel tridentate ligand for colorimetric detection of Mn based on AgNPs. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 202, 244-251	4.4	7

14	Recent Advances in Structural Engineering of 2D Hexagonal Boron Nitride Electrocatalysts. <i>Nano Energy</i> , 2021 , 91, 106661	17.1	6
13	A high-performance electrocatalyst composed of nickel clusters encapsulated with a carbon network on TiN nanowire arrays for the oxygen evolution reaction. <i>Applied Surface Science</i> , 2021 , 567, 150779	6.7	6
12	Creating Multiple Parallel Internal Phase Junctions on ZnS Nanoparticles as Highly Active Catalytic Sites. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800611	4.6	5
11	Insights into enhancement of photocatalytic properties of g-C ₃ N ₄ by local electric field induced by polarization of MgO(111). <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105922	6.8	5
10	Enhanced photocatalytic degradation of 4-chlorophenol under visible light over carbon nitride nanosheets with carbon vacancies. <i>Nanotechnology</i> , 2021 , 32,	3.4	3
9	Growth of well-aligned ZnO nanorod arrays on Si substrates by thermal evaporation of Cu-Zn alloy powders. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 4786-91	1.3	2
8	Antibacterial Biomaterials: Nonleaching Antibacterial Concept Demonstrated by In Situ Construction of 2D Nanoflakes on Magnesium (Adv. Sci. 1/2020). <i>Advanced Science</i> , 2020 , 7, 2070006	13.6	2
7	Se-NiSe ₂ hybrid nanosheet arrays with self-regulated elemental Se for efficient alkaline water splitting. <i>Journal of Materials Science and Technology</i> , 2022 , 118, 136-143	9.1	2
6	Fabrication and photoelectrochemical properties of nanoporous WO ₃ film 2010 ,		1
5	Direct growth of hexagonal Cd(OH) ₂ nanoplates from and on cadmium substrate. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 3747-51	1.3	1
4	Nitrogen-doped carbon coated TiC nanofiber arrays deposited on Ti-6Al-4V for selective and sensitive electrochemical detection of dopamine. <i>Surface and Coatings Technology</i> , 2020 , 402, 126266	4.4	1
3	Photochemical properties of SnO ₂ nanorods arrays grown on nanoporous stainless steel. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 9989-9995	2.1	1
2	Plasmon-enhanced hydrogen evolution on Pt-anchored titanium nitride nanowire arrays. <i>Applied Surface Science</i> , 2022 , 598, 153745	6.7	1
1	N-Doped Carbon Coated TiC Nanofiber Arrays on Ti-6Al-4V for Sensitive Electrochemical Determination of Cr(VI). <i>Electroanalysis</i> ,	3	