Liangsheng Hu

List of Publications by Year in Descending Order

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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	Electrochemical CO2 reduction (CO2RR) to multi-carbon products over copper-based catalysts. *Coordination Chemistry Reviews*, **2022**, 454, 214340	23.2	19
48	Se-NiSe2 hybrid nanosheet arrays with self-regulated elemental Se for efficient alkaline water splitting. *Journal of Materials Science and Technology*, **2022**, 118, 136-143	9.1	2
47	Plasmon-enhanced hydrogen evolution on Pt-anchored titanium nitride nanowire arrays. *Applied Surface Science*, **2022**, 598, 153745	6.7	1
46	Recent Advances in Structural Engineering of 2D Hexagonal Boron Nitride Electrocatalysts. *Nano Energy*, **2021**, 91, 106661	17.1	6
45	Enhanced photocatalytic degradation of 4-chlorophenol under visible light over carbon nitride nanosheets with carbon vacancies. *Nanotechnology*, **2021**, 32,	3.4	3
44	TiO2 film supported by vertically aligned gold nanorod superlattice array for enhanced photocatalytic hydrogen evolution. *Chemical Engineering Journal*, **2021**, 417, 127900	14.7	8
43	Novel Cu-Fe bi-metal oxide quantum dots coupled g-C3N4 nanosheets with H2O2 adsorption-activation trade-off for efficient photo-Fenton catalysis. *Applied Catalysis B: Environmental*, **2021**, 120765	21.8	12
42	Insights into enhancement of photocatalytic properties of g-C3N4 by local electric field induced by polarization of MgO(111). *Journal of Environmental Chemical Engineering*, **2021**, 9, 105922	6.8	5
41	A high-performance electrocatalyst composed of nickel clusters encapsulated with a carbon network on TiN nanaowire arrays for the oxygen evolution reaction. *Applied Surface Science*, **2021**, 567, 150779	6.7	6
40	Nonleaching Antibacterial Concept Demonstrated by In Situ Construction of 2D Nanoflakes on Magnesium. *Advanced Science*, **2020**, 7, 1902089	13.6	20
39	Recent Advances in Electrocatalytic Hydrogen Evolution Using Nanoparticles. *Chemical Reviews*, **2020**, 120, 851-918	68.1	722
38	Antibacterial Biomaterials: Nonleaching Antibacterial Concept Demonstrated by In Situ Construction of 2D Nanoflakes on Magnesium (Adv. Sci. 1/2020). *Advanced Science*, **2020**, 7, 2070006	13.6	2
37	Nitrogen-doped carbon coated TiC nanofiber arrays deposited on Ti-6Al-4V for selective and sensitive electrochemical detection of dopamine. *Surface and Coatings Technology*, **2020**, 402, 126266	4.4	1
36	Blue ordered/disordered Janus-type TiO2 nanoparticles for enhanced photocatalytic hydrogen generation. *Journal of Materials Chemistry A*, **2020**, 8, 22828-22839	13	10
35	Photocatalytic water splitting by N-TiO on MgO (111) with exceptional quantum efficiencies at elevated temperatures. *Nature Communications*, **2019**, 10, 4421	17.4	76
34	Palladium Separation by Pd-Catalyzed Gel Formation via Alkyne Coupling. *Chemistry of Materials*, **2019**, 31, 7386-7394	9.6	20
33	Use of carbon supports with copper ion as a highly sensitive non-enzymatic glucose sensor. *Sensors and Actuators B: Chemical*, **2019**, 282, 187-196	8.5	25

32	Development of a novel tridentate ligand for colorimetric detection of Mn based on AgNPs. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2018**, 202, 244-251	4.4	7
31	Ni-doped amorphous iron phosphide nanoparticles on TiN nanowire arrays: An advanced alkaline hydrogen evolution electrocatalyst. *Nano Energy*, **2018**, 53, 66-73	17.1	72
30	Ni/Co-based nanosheet arrays for efficient oxygen evolution reaction. *Nano Energy*, **2018**, 52, 360-368	17.1	88
29	Creating Multiple Parallel Internal Phase Junctions on ZnS Nanoparticles as Highly Active Catalytic Sites. *Advanced Materials Interfaces*, **2018**, 5, 1800611	4.6	5
28	An antibacterial platform based on capacitive carbon-doped TiO nanotubes after direct or alternating current charging. *Nature Communications*, **2018**, 9, 2055	17.4	99
27	CuZnSnS/MoS-Reduced Graphene Oxide Heterostructure: Nanoscale Interfacial Contact and Enhanced Photocatalytic Hydrogen Generation. *Scientific Reports*, **2017**, 7, 39411	4.9	40
26	Direct anodic exfoliation of graphite onto high-density aligned graphene for large capacity supercapacitors. *Nano Energy*, **2017**, 34, 515-523	17.1	49
25	In situ segregation of cobalt nanoparticles on VN nanosheets via nitriding of Co2V2O7 nanosheets as efficient oxygen evolution reaction electrocatalysts. *Nano Energy*, **2017**, 34, 1-7	17.1	81
24	Recent advance in MXenes: A promising 2D material for catalysis, sensor and chemical adsorption. *Coordination Chemistry Reviews*, **2017**, 352, 306-327	23.2	315
23	CuII-Mediated Ultra-efficient Electrooxidation of Glucose. *ChemElectroChem*, **2017**, 4, 2788-2792	4.3	14
22	Vanadium carbide nanoparticles encapsulated in graphitic carbon network nanosheets: A high-efficiency electrocatalyst for hydrogen evolution reaction. *Nano Energy*, **2016**, 26, 603-609	17.1	92
21	Hydrogenated V2O5 Nanosheets for Superior Lithium Storage Properties. *Advanced Functional Materials*, **2016**, 26, 784-791	15.6	110
20	Au Nanoparticles Decorated TiO2 Nanotube Arrays as a Recyclable Sensor for Photoenhanced Electrochemical Detection of Bisphenol A. *Environmental Science & Technology*, **2016**, 50, 4430-8	10.3	97
19	Dominant Factors Governing the Electron Transfer Kinetics and Electrochemical Biosensing Properties of Carbon Nanofiber Arrays. *ACS Applied Materials & Interfaces*, **2016**, 8, 28872-28879	9.5	14
18	Copper nanoparticles/polyaniline/graphene composite as a highly sensitive electrochemical glucose sensor. *Journal of Electroanalytical Chemistry*, **2016**, 781, 155-160	4.1	66
17	Lithiation Kinetics in High-Performance Porous Vanadium Nitride Nanosheet Anode. *Electrochimica Acta*, **2016**, 214, 201-207	6.7	25
16	Photochemical properties of SnO2 nanorods arrays grown on nanoporous stainless steel. *Journal of Materials Science: Materials in Electronics*, **2016**, 27, 9989-9995	2.1	1
15	Porous Dual-Layered MoOx Nanotube Arrays with Highly Conductive TiN Cores for Supercapacitors. *ChemElectroChem*, **2015**, 2, 512-517	4.3	22

14	Recyclable Non-Enzymatic Glucose Sensor Based on Ni/NiTiO /TiO Nanotube Arrays. *ChemPlusChem* , **2015**, 80, 576-582	2.8	29
13	Hydrothermal synthesis of perovskite-type MTiO3 (M = Zn, Co, Ni)/TiO2 nanotube arrays from an amorphous TiO2 template. *CrystEngComm*, **2014**, 16, 10280-10285	3.3	23
12	Recyclable and high-sensitivity electrochemical biosensing platform composed of carbon-doped TiO2 nanotube arrays. *Analytical Chemistry*, **2011**, 83, 8138-44	7.8	62
11	Arrays of nanofibers composed of a TiC core and a carbon coating for sensitive electrochemical detection of hydrazine. *Mikrochimica Acta*, **2011**, 175, 137-143	5.8	12
10	Controllable growth of conical and cylindrical TiO2-carbon core-shell nanofiber arrays and morphologically dependent electrochemical properties. *Chemistry - A European Journal*, **2011**, 17, 14552-8	4.8	15
9	Synthesis and Photocatalytic Activity of Highly Ordered TiO2 and SrTiO3/TiO2 Nanotube Arrays on Ti Substrates. *Journal of the American Ceramic Society*, **2010**, 93, 2771-2778	3.8	103
8	Fabrication and photoelectrochemical properties of nanoporous WO3 film **2010**,		1
7	Fabrication and Photocatalytic Activity of Nanoporous WO3 Film. *Nanoscience and Nanotechnology Letters*, **2010**, 2, 51-57	0.8	14
6	Growth of well-aligned ZnO nanorod arrays on Si substrates by thermal evaporation of Cu-Zn alloy powders. *Journal of Nanoscience and Nanotechnology*, **2010**, 10, 4786-91	1.3	2
5	Core-shell TiC/C quasi-aligned nanofiber arrays on biomedical Ti6Al4V for sensitive electrochemical biosensing. *Chemical Communications*, **2010**, 46, 6828-30	5.8	34
4	Mechanism of cell repellence on quasi-aligned nanowire arrays on Ti alloy. *Biomaterials*, **2010**, 31, 8341-9	15.6	48
3	Direct growth of hexagonal Cd(OH)2 nanoplates from and on cadmium substrate. *Journal of Nanoscience and Nanotechnology*, **2009**, 9, 3747-51	1.3	1
2	One-step growth and field emission properties of quasialigned TiO2 nanowire/carbon nanocone core-shell nanostructure arrays on Ti substrates. *Applied Physics Letters*, **2008**, 93, 013105	3.4	51
1	N-Doped Carbon Coated TiC Nanofiber Arrays on Ti-6Al-4V for Sensitive Electrochemical Determination of Cr(VI). *Electroanalysis*,	3	