

# Zhongzhou Cheng

## 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.

29 papers	1,804 citations	18 h-index	29 g-index
29 ext. papers	2,068 ext. citations	9.5 avg, IF	4.62 L-index

#	Paper	IF	Citations
29	2D Material-Based Photodetectors for Infrared Imaging. <i>Small Science</i> , <b>2022</b> , 2, 2100051		8
28	Nonlayered Tin Thiohypodiphosphate Nanosheets: Controllable Growth and Solar-Light-Driven Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 13392-13399	9.5	7
27	Few-layered CuInP2S6 nanosheet with sulfur vacancy boosting photocatalytic hydrogen evolution. <i>CrystEngComm</i> , <b>2021</b> , 23, 591-598	3.3	10
26	Layered metal phosphorous trichalcogenides nanosheets: facile synthesis and photocatalytic hydrogen evolution. <i>Nanotechnology</i> , <b>2020</b> , 31, 135405	3.4	11
25	Oriented layered Bi2O2Se nanowire arrays for ultrasensitive photodetectors. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 151104	3.4	13
24	Ultrathin Magnetic 2D Single-Crystal CrSe. <i>Advanced Materials</i> , <b>2019</b> , 31, e1900056	24	78
23	Newly developed two-dimensional materials for efficient photocatalytic hydrogen evolution. <i>Science Bulletin</i> , <b>2019</b> , 64, 958-960	10.6	3
22	High Crystal Quality 2D Manganese Phosphorus Trichalcogenide Nanosheets and their Photocatalytic Activity. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1800548	15.6	86
21	The Role of Active Oxide Species for Electrochemical Water Oxidation on the Surface of 3d-Metal Phosphides. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1703290	21.8	77
20	High-Yield Production of Monolayer FePS Quantum Sheets via Chemical Exfoliation for Efficient Photocatalytic Hydrogen Evolution. <i>Advanced Materials</i> , <b>2018</b> , 30, e1707433	24	75
19	An efficient ternary CoPSe nanowire array for overall water splitting. <i>Nanoscale</i> , <b>2017</b> , 9, 3995-4001	7.7	63
18	Efficient Catalysis of Hydrogen Evolution Reaction from WS <sub>2</sub> /P Nanoribbons. <i>Small</i> , <b>2017</b> , 13, 1603706	11	50
17	Two-dimensional metal phosphorus trisulfide nanosheet with solar hydrogen-evolving activity. <i>Nano Energy</i> , <b>2017</b> , 40, 673-680	17.1	71
16	Efficient Photocatalytic Hydrogen Evolution via Band Alignment Tailoring: Controllable Transition from Type-I to Type-II. <i>Small</i> , <b>2017</b> , 13, 1702163	11	34
15	CoS(2x)Se(2(1-x)) nanowire array: an efficient ternary electrocatalyst for the hydrogen evolution reaction. <i>Nanoscale</i> , <b>2016</b> , 8, 4699-704	7.7	89
14	Highly sensitive photodetectors based on hybrid 2D-0D SnS <sub>2</sub> -copper indium sulfide quantum dots. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 013101	3.4	22
13	Carbon dots decorated vertical SnS <sub>2</sub> nanosheets for efficient photocatalytic oxygen evolution. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 053905	3.4	18

12	van der Waals epitaxial ultrathin two-dimensional nonlayered semiconductor for highly efficient flexible optoelectronic devices. <i>Nano Letters</i> , <b>2015</b> , 15, 1183-9	11.5	116
11	A vertical-oriented WS <sub>2</sub> nanosheet sensitized by graphene: an advanced electrocatalyst for hydrogen evolution reaction. <i>Nanoscale</i> , <b>2015</b> , 7, 14760-5	7.7	78
10	Surface plasmon resonance enhanced light absorption of Au decorated composition-tuned ZnO/Zn <sub>x</sub> Cd <sub>1-x</sub> Se <sub>y</sub> Te <sub>1-y</sub> core/shell nanowires for efficient H <sub>2</sub> production. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 123904	3.4	13
9	Recent advances in transition-metal dichalcogenide based nanomaterials for water splitting. <i>Nanoscale</i> , <b>2015</b> , 7, 19764-88	7.7	263
8	Construction of CuInS <sub>2</sub> /Ag sensitized ZnO nanowire arrays for efficient hydrogen generation. <i>RSC Advances</i> , <b>2015</b> , 5, 81723-81727	3.7	13
7	Tungsten oxide@polypyrrole core-shell nanowire arrays as novel negative electrodes for asymmetric supercapacitors. <i>Small</i> , <b>2015</b> , 11, 749-55	11	129
6	Au plasmonics in a WS <sub>2</sub> -Au-CuInS <sub>2</sub> photocatalyst for significantly enhanced hydrogen generation. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 223902	3.4	23
5	Enhanced Electrochemical H <sub>2</sub> Evolution by Few-Layered Metallic WS <sub>2</sub> (1-x)Se <sub>2x</sub> Nanoribbons. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 6077-6083	15.6	98
4	A High-Energy-Density Asymmetric Microsupercapacitor for Integrated Energy Systems. <i>Advanced Electronic Materials</i> , <b>2015</b> , 1, 1400053	6.4	18
3	Efficient CoO nanowire array photocatalysts for H <sub>2</sub> generation. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 153903	3.4	18
2	Construction of 3D V <sub>2</sub> O <sub>5</sub> /hydrogenated-WO <sub>3</sub> nanotrees on tungsten foil for high-performance pseudocapacitors. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 12214-20	3.6	35
1	Component-controllable WS <sub>2</sub> (1-x)Se <sub>2x</sub> nanotubes for efficient hydrogen evolution reaction. <i>ACS Nano</i> , <b>2014</b> , 8, 8468-76	16.7	285