

Zhongzhou Cheng

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.

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	Component-controllable WS ₂ (1-x)Se _{2x} nanotubes for efficient hydrogen evolution reaction. <i>ACS Nano</i> , 2014 , 8, 8468-76	16.7	285
28	Recent advances in transition-metal dichalcogenide based nanomaterials for water splitting. <i>Nanoscale</i> , 2015 , 7, 19764-88	7.7	263
27	Tungsten oxide@polypyrrole core-shell nanowire arrays as novel negative electrodes for asymmetric supercapacitors. <i>Small</i> , 2015 , 11, 749-55	11	129
26	van der Waals epitaxial ultrathin two-dimensional nonlayered semiconductor for highly efficient flexible optoelectronic devices. <i>Nano Letters</i> , 2015 , 15, 1183-9	11.5	116
25	Enhanced Electrochemical H ₂ Evolution by Few-Layered Metallic WS ₂ (1-x)Se _{2x} Nanoribbons. <i>Advanced Functional Materials</i> , 2015 , 25, 6077-6083	15.6	98
24	CoS _{2x} Se _{2(1-x)} nanowire array: an efficient ternary electrocatalyst for the hydrogen evolution reaction. <i>Nanoscale</i> , 2016 , 8, 4699-704	7.7	89
23	High Crystal Quality 2D Manganese Phosphorus Trichalcogenide Nanosheets and their Photocatalytic Activity. <i>Advanced Functional Materials</i> , 2018 , 28, 1800548	15.6	86
22	Ultrathin Magnetic 2D Single-Crystal CrSe. <i>Advanced Materials</i> , 2019 , 31, e1900056	24	78
21	A vertical-oriented WS ₂ nanosheet sensitized by graphene: an advanced electrocatalyst for hydrogen evolution reaction. <i>Nanoscale</i> , 2015 , 7, 14760-5	7.7	78
20	The Role of Active Oxide Species for Electrochemical Water Oxidation on the Surface of 3d-Metal Phosphides. <i>Advanced Energy Materials</i> , 2018 , 8, 1703290	21.8	77
19	High-Yield Production of Monolayer FePS Quantum Sheets via Chemical Exfoliation for Efficient Photocatalytic Hydrogen Evolution. <i>Advanced Materials</i> , 2018 , 30, e1707433	24	75
18	Two-dimensional metal phosphorus trisulfide nanosheet with solar hydrogen-evolving activity. <i>Nano Energy</i> , 2017 , 40, 673-680	17.1	71
17	An efficient ternary CoPSe nanowire array for overall water splitting. <i>Nanoscale</i> , 2017 , 9, 3995-4001	7.7	63
16	Efficient Catalysis of Hydrogen Evolution Reaction from WS ₂ P Nanoribbons. <i>Small</i> , 2017 , 13, 1603706	11	50
15	Construction of 3D V ₂ O ₅ /hydrogenated-WO ₃ nanotrees on tungsten foil for high-performance pseudocapacitors. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 12214-20	3.6	35
14	Efficient Photocatalytic Hydrogen Evolution via Band Alignment Tailoring: Controllable Transition from Type-I to Type-II. <i>Small</i> , 2017 , 13, 1702163	11	34
13	Au plasmonics in a WS ₂ -Au-CuInS ₂ photocatalyst for significantly enhanced hydrogen generation. <i>Applied Physics Letters</i> , 2015 , 107, 223902	3.4	23

12	Highly sensitive photodetectors based on hybrid 2D-0D SnS ₂ -copper indium sulfide quantum dots. <i>Applied Physics Letters</i> , 2016 , 108, 013101	3.4	22
11	Efficient CoO nanowire array photocatalysts for H ₂ generation. <i>Applied Physics Letters</i> , 2014 , 105, 153903	3.4	18
10	A High-Energy-Density Asymmetric Microsupercapacitor for Integrated Energy Systems. <i>Advanced Electronic Materials</i> , 2015 , 1, 1400053	6.4	18
9	Carbon dots decorated vertical SnS ₂ nanosheets for efficient photocatalytic oxygen evolution. <i>Applied Physics Letters</i> , 2016 , 109, 053905	3.4	18
8	Oriented layered Bi ₂ O ₂ Se nanowire arrays for ultrasensitive photodetectors. <i>Applied Physics Letters</i> , 2019 , 114, 151104	3.4	13
7	Surface plasmon resonance enhanced light absorption of Au decorated composition-tuned ZnO/Zn _x Cd _{1-x} Se _y Te _{1-y} core/shell nanowires for efficient H ₂ production. <i>Applied Physics Letters</i> , 2015 , 106, 123904	3.4	13
6	Construction of CuInS ₂ /Ag sensitized ZnO nanowire arrays for efficient hydrogen generation. <i>RSC Advances</i> , 2015 , 5, 81723-81727	3.7	13
5	Layered metal phosphorous trichalcogenides nanosheets: facile synthesis and photocatalytic hydrogen evolution. <i>Nanotechnology</i> , 2020 , 31, 135405	3.4	11
4	Few-layered CuInP ₂ S ₆ nanosheet with sulfur vacancy boosting photocatalytic hydrogen evolution. <i>CrystEngComm</i> , 2021 , 23, 591-598	3.3	10
3	2D Material-Based Photodetectors for Infrared Imaging. <i>Small Science</i> , 2022 , 2, 2100051		8
2	Nonlayered Tin Thiohypodiphosphate Nanosheets: Controllable Growth and Solar-Light-Driven Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 13392-13399	9.5	7
1	Newly developed two-dimensional materials for efficient photocatalytic hydrogen evolution. <i>Science Bulletin</i> , 2019 , 64, 958-960	10.6	3