

# Zhengwang Cheng

## List of Publications by Year in descending order

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759233

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#	ARTICLE	IF	CITATIONS
1	Highly Sensitive Band Alignment of the Graphene/MoSi <sub>2</sub> N <sub>4</sub> Heterojunction via an External Electric Field. ACS Applied Electronic Materials, 2022, 4, 2897-2905.	4.3	25
2	Visualizing discrete Fermi surfaces and possible nodal-line to Weyl state evolution in ZrSiTe. Npj Quantum Materials, 2022, 7, .	5.2	2
3	Non-noble plasmonic MoO <sub>2</sub> as photosensitizer of 1D TiO <sub>2</sub> nanorods for enhancing visible-light photoelectrochemical performance. Surfaces and Interfaces, 2022, 31, 102082.	3.0	4
4	Enhancing the Visible Light Photoelectrochemical Water Splitting of TiO <sub>2</sub> Photoanode via a n Heterojunction and the Plasmonic Effect. Journal of Physical Chemistry C, 2022, 126, 11510-11517.	3.1	10
5	Formation of Plasmonic Polarons in Highly Electron-Doped Anatase TiO <sub>2</sub> . Nano Letters, 2021, 21, 430-436.	9.1	9
6	An Unassisted Tandem Photoelectrochemical Cell Based on p- and n-Cu <sub>2</sub> O Photoelectrodes. Catalysis Letters, 2021, 151, 1976-1983.	2.6	12
7	Promising CoFe-NiOOH Ternary Polymetallic Cocatalyst for BiVO <sub>4</sub> -Based Photoanodes in Photoelectrochemical Water Splitting. ACS Applied Energy Materials, 2021, 4, 3842-3850.	5.1	31
8	Searching for a promising topological Dirac nodal-line semimetal by angle resolved photoemission spectroscopy. New Journal of Physics, 2021, 23, 123026.	2.9	5
9	CoNiO <sub>2</sub> as a novel water oxidation cocatalyst to enhance PEC water splitting performance of BiVO <sub>4</sub> . Chemical Communications, 2020, 56, 9158-9161.	4.1	46
10	Defect and interlayer coupling tuned quasiparticle scattering in 2D disordered Mo <sub>2</sub> C superconducting microcrystals. Journal Physics D: Applied Physics, 2020, 53, 434002.	2.8	1
11	Strongly Compressed Few-Layered SnSe <sub>2</sub> Films Grown on a SrTiO <sub>3</sub> Substrate: The Coexistence of Charge Ordering and Enhanced Interfacial Superconductivity. Nano Letters, 2019, 19, 5304-5312.	9.1	32
12	Visualizing Dirac nodal-line band structure of topological semimetal ZrGeSe by ARPES. APL Materials, 2019, 7, .	5.1	13
13	Layer-Stacking, Defects, and Robust Superconductivity on the Mo-Terminated Surface of Ultrathin Mo <sub>2</sub> C Flakes Grown by CVD. Nano Letters, 2019, 19, 3327-3335.	9.1	21
14	Phonon modes and photonic excitation transitions of MoS <sub>2</sub> induced by top-deposited graphene revealed by Raman spectroscopy and photoluminescence. Applied Physics Letters, 2019, 114, .	3.3	15
15	Direct View of Cr Atoms Doped in Anatase TiO <sub>2</sub> (001) Thin Film. Chinese Journal of Chemical Physics, 2018, 31, 71-76.	1.3	4
16	Understanding the Intrinsic Chemical Activity of Anatase TiO <sub>2</sub> (001)-(1 Å–4) Surface. Journal of Physical Chemistry C, 2017, 121, 1272-1282.	3.1	25
17	Electronic properties of Cr-N codoped rutile TiO <sub>2</sub> (110) thin films. Surface Science, 2017, 666, 84-89.	1.9	10
18	Identifying the Site-Dependent Photoactivity of Anatase TiO <sub>2</sub> (001)-(1 Å–4) Surface. Journal of Physical Chemistry C, 2017, 121, 19930-19937.	3.1	14

#	ARTICLE	IF	CITATIONS
19	Detecting the Photoactivity of Anatase $\text{TiO}_2(001)$ -(1 Å– 4) Surface by Formaldehyde. Journal of Physical Chemistry C, 2017, 121, 17289-17296.	3.1	13
20	Characterization of Cr–N codoped anatase $\text{TiO}_2(001)$ thin films epitaxially grown on $\text{SrTiO}_3(001)$ substrate. Surface Science, 2013, 616, 93-99.	1.9	16
21	Role of point defects on the reactivity of reconstructed anatase titanium dioxide (001) surface. Nature Communications, 2013, 4, 2214.	12.8	184
22	The valence conversion mechanism for Mo-doped $\text{VO}_2$ films with enhanced thermochromic properties. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 0, , .	1.2	2