

Zhengwang Cheng

List of Publications by Year in descending order

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papers

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22
times ranked

695
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of point defects on the reactivity of reconstructed anatase titanium dioxide (001) surface. <i>Nature Communications</i> , 2013, 4, 2214.	12.8	184
2	CoNiO ₂ as a novel water oxidation cocatalyst to enhance PEC water splitting performance of BiVO ₄ . <i>Chemical Communications</i> , 2020, 56, 9158-9161.	4.1	46
3	Strongly Compressed Few-Layered SnSe ₂ Films Grown on a SrTiO ₃ Substrate: The Coexistence of Charge Ordering and Enhanced Interfacial Superconductivity. <i>Nano Letters</i> , 2019, 19, 5304-5312.	9.1	32
4	Promising CoFe-NiOOH Ternary Polymetallic Cocatalyst for BiVO ₄ -Based Photoanodes in Photoelectrochemical Water Splitting. <i>ACS Applied Energy Materials</i> , 2021, 4, 3842-3850.	5.1	31
5	Understanding the Intrinsic Chemical Activity of Anatase TiO ₂ (001)-(1 Å ⁻¹) Surface. <i>Journal of Physical Chemistry C</i> , 2017, 121, 1272-1282.	3.1	25
6	Highly Sensitive Band Alignment of the Graphene/MoSi ₂ N ₄ Heterojunction via an External Electric Field. <i>ACS Applied Electronic Materials</i> , 2022, 4, 2897-2905.	4.3	25
7	Layer-Stacking, Defects, and Robust Superconductivity on the Mo-Terminated Surface of Ultrathin Mo ₂ C Flakes Grown by CVD. <i>Nano Letters</i> , 2019, 19, 3327-3335.	9.1	21
8	Characterization of Cr-N codoped anatase TiO ₂ (001) thin films epitaxially grown on SrTiO ₃ (001) substrate. <i>Surface Science</i> , 2013, 616, 93-99.	1.9	16
9	Phonon modes and photonic excitation transitions of MoS ₂ induced by top-deposited graphene revealed by Raman spectroscopy and photoluminescence. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	15
10	Identifying the Site-Dependent Photoactivity of Anatase TiO ₂ (001)-(1 Å ⁻¹) Surface. <i>Journal of Physical Chemistry C</i> , 2017, 121, 19930-19937.	3.1	14
11	Detecting the Photoactivity of Anatase TiO ₂ (001)-(1 Å ⁻¹) Surface by Formaldehyde. <i>Journal of Physical Chemistry C</i> , 2017, 121, 17289-17296.	3.1	13
12	Visualizing Dirac nodal-line band structure of topological semimetal ZrGeSe by ARPES. <i>APL Materials</i> , 2019, 7, .	5.1	13
13	An Unassisted Tandem Photoelectrochemical Cell Based on p- and n-Cu ₂ O Photoelectrodes. <i>Catalysis Letters</i> , 2021, 151, 1976-1983.	2.6	12
14	Electronic properties of Cr-N codoped rutile TiO ₂ (110) thin films. <i>Surface Science</i> , 2017, 666, 84-89.	1.9	10
15	Enhancing the Visible Light Photoelectrochemical Water Splitting of TiO ₂ Photoanode via a p-n Heterojunction and the Plasmonic Effect. <i>Journal of Physical Chemistry C</i> , 2022, 126, 11510-11517.	3.1	10
16	Formation of Plasmonic Polarons in Highly Electron-Doped Anatase TiO ₂ . <i>Nano Letters</i> , 2021, 21, 430-436.	9.1	9
17	Searching for a promising topological Dirac nodal-line semimetal by angle resolved photoemission spectroscopy. <i>New Journal of Physics</i> , 2021, 23, 123026.	2.9	5
18	Direct View of Cr Atoms Doped in Anatase TiO ₂ (001) Thin Film. <i>Chinese Journal of Chemical Physics</i> , 2018, 31, 71-76.	1.3	4

#	ARTICLE	IF	CITATIONS
19	Non-noble plasmonic MoO ₂ as photosensitizer of 1D TiO ₂ nanorods for enhancing visible-light photoelectrochemical performance. <i>Surfaces and Interfaces</i> , 2022, 31, 102082.	3.0	4
20	The valence conversion mechanism for Mo-doped VO ₂ films with enhanced thermochromic properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 0, , .	1.2	2
21	Visualizing discrete Fermi surfaces and possible nodal-line to Weyl state evolution in ZrSiTe. <i>Npj Quantum Materials</i> , 2022, 7, .	5.2	2
22	Defect and interlayer coupling tuned quasiparticle scattering in 2D disordered Mo ₂ C superconducting microcrystals. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 434002.	2.8	1