

Daoyu Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

243
citations

1040056

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1199594

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all docs

12
docs citations

12
times ranked

446
citing authors

#	ARTICLE	IF	CITATIONS
1	Challenges in band alignment between semiconducting materials: A case of rutile and anatase TiO ₂ . Progress in Natural Science: Materials International, 2019, 29, 277-284.	4.4	52
2	Hydroxylation of the Rutile TiO ₂ (110) Surface Enhancing Its Reducing Power for Photocatalysis. Journal of Physical Chemistry C, 2015, 119, 1451-1456.	3.1	48
3	Band structure engineering of TiO ₂ nanowires by n ⁺ p codoping for enhanced visible-light photoelectrochemical water-splitting. Physical Chemistry Chemical Physics, 2013, 15, 18523.	2.8	38
4	Electric-dipole effect of defects on the energy band alignment of rutile and anatase TiO ₂ . Physical Chemistry Chemical Physics, 2015, 17, 29079-29084.	2.8	24
5	Improving the photocatalytic activity of TiO ₂ through reduction. RSC Advances, 2015, 5, 35661-35666.	3.6	19
6	Photocatalytic Behavior of Fluorinated Rutile TiO ₂ (110) Surface: Understanding from the Band Model. Solar Rrl, 2017, 1, 1700183.	5.8	17
7	A DFT study of NO ₂ and SO ₂ gas-sensing properties of InX (X=Cl, Br and I) monolayers. Journal of Materials Science, 2021, 56, 11828-11837.	3.7	12
8	Magnetism and stability of noncompensated anion-cation codoped ZnO. Journal of Applied Physics, 2013, 113, .	2.5	11
9	Translating XPS Measurement Procedure for Band Alignment into Reliable Ab Initio Calculation Method. Journal of Physical Chemistry C, 2017, 121, 7139-7143.	3.1	11
10	Enhanced room temperature ferromagnetism in MoS ₂ by N plasma treatment. AIP Advances, 2020, 10, .	1.3	6
11	Nonlinear dependence of anomalous resistivity on the reconnecting electric field in the Earth's magnetotail. Science Bulletin, 2012, 57, 1449-1454.	1.7	3
12	Surface Chemistry of MoS ₂ in Remote Oxygen Plasma. Langmuir, 2021, 37, 12112-12117.	3.5	2