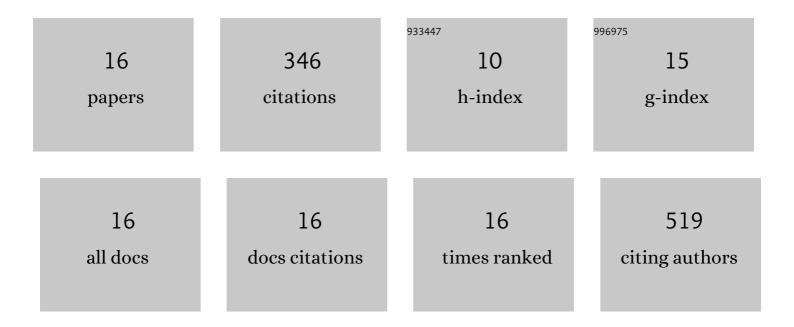
Wenzhe Niu

List of Publications by Year in descending order

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Μενζής Νιμ

#	Article	IF	CITATIONS
1	Crystal orientation-dependent etching and trapping in thermally-oxidised Cu ₂ O photocathodes for water splitting. Energy and Environmental Science, 2022, 15, 2002-2010.	30.8	20
2	Interfacial Dipole Layer Enables High-Performance Heterojunctions for Photoelectrochemical Water Splitting. ACS Energy Letters, 2022, 7, 1392-1402.	17.4	11
3	Thiolâ€Amineâ€Based Solution Processing of Cu ₂ S Thin Films for Photoelectrochemical Water Splitting. ChemSusChem, 2021, 14, 3967-3974.	6.8	10
4	Surface modification and stoichiometry control of Cu2O/SnO2 heterojunction solar cell by an ultrathin MgO tunneling layer. Journal of Alloys and Compounds, 2019, 779, 387-393.	5.5	20
5	Improving the photovoltaic performance of the all-solid-state TiO ₂ NR/CuInS ₂ solar cell by hydrogen plasma treatment. Nanotechnology, 2018, 29, 275402.	2.6	4
6	Optimization of photoelectrochemical performance in Pt-modified p-Cu ₂ O/n-Cu ₂ O nanocomposite. Nanotechnology, 2018, 29, 145402.	2.6	7
7	Extended Light Harvesting with Dual Cu ₂ Oâ€Based Photocathodes for High Efficiency Water Splitting. Advanced Energy Materials, 2018, 8, 1702323.	19.5	93
8	<i>Operando</i> deconvolution of photovoltaic and electrocatalytic performance in ALD TiO ₂ protected water splitting photocathodes. Chemical Science, 2018, 9, 6062-6067.	7.4	22
9	Interfacial study of Cu ₂ O/Ga ₂ O ₃ /AZO/TiO ₂ photocathode for water splitting fabricated by pulsed laser deposition. Catalysis Science and Technology, 2017, 7, 1602-1610.	4.1	26
10	Highly conductive thin films of nonmetal F and B co-doped ZnO on flexible substrates: Experiment and first-principles calculations. Journal of Alloys and Compounds, 2017, 697, 156-160.	5.5	25
11	The crystalline/amorphous contact in Cu ₂ O/Ta ₂ O ₅ heterostructures: increasing its sunlight-driven overall water splitting efficiency. Journal of Materials Chemistry A, 2017, 5, 2732-2738.	10.3	41
12	Photoresponse enhancement of Cu2O solar cell with sulfur-doped ZnO buffer layer to mediate the interfacial band alignment. Solar Energy Materials and Solar Cells, 2016, 144, 717-723.	6.2	28
13	The effect of sulfur on the electrical properties of S and N co-doped ZnO thin films: experiment and first-principles calculations. Physical Chemistry Chemical Physics, 2015, 17, 16705-16708.	2.8	18
14	Interaction of H and F atoms—Origin of the high conductive stability of hydrogen-incorporated F-doped ZnO thin films. Thin Solid Films, 2015, 589, 85-89.	1.8	6
15	Valence-band offset of n-Zn0.8Mg0.2O/p-Ni0.8Mg0.2O heterojunction with tunable bandgaps of both sides measured by X-ray photoelectron spectroscopy. Applied Physics A: Materials Science and Processing, 2015, 118, 239-242.	2.3	0
16	Structural and optical properties of ZnSO alloy thin films with different S contents grown by pulsed laser deposition. Journal of Alloys and Compounds, 2014, 582, 535-539.	5.5	15