

Weibing Wu

List of Publications by Year in descending order

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23
papers

549
citations

687363

13
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

857
citing authors

#	ARTICLE	IF	CITATIONS
1	Epitaxy of Vertical ZnO Nanorod Arrays on Highly (001)-Oriented ZnO Seed Monolayer by a Hydrothermal Route. <i>Crystal Growth and Design</i> , 2008, 8, 4014-4020.	3.0	115
2	A comparative study of catalytic behaviors of Mn, Fe, Co, Ni, Cu and Zn-based catalysts in steam reforming of methanol, acetic acid and acetone. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 3815-3832.	7.1	78
3	Continuous growth and improved PL property of ZnO nanoarrays with assistance of polyethylenimine. <i>Nanoscale</i> , 2013, 5, 5986.	5.6	52
4	Large Piezoelectric Coefficient in Tb-doped BiFeO ₃ Films. <i>Journal of the American Ceramic Society</i> , 2010, 93, 948-950.	3.8	46
5	Comparative study on aging effect in BiFeO ₃ thin films substituted at A- and B-sites. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	33
6	Oxidase-Inspired Selective 2e/4e Reduction of Oxygen on Electron-Deficient Cu. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 4833-4842.	8.0	31
7	Aging-Induced Double Ferroelectric Hysteresis Loops and Asymmetric Coercivity in As-Deposited Bi _{0.95} Zn _{0.05} O ₃ Thin Film. <i>Journal of the American Ceramic Society</i> , 2009, 92, 1610-1612.	3.8	28
8	Improved photocatalytic efficiency and stability of CdS/ZnO shell/core nanoarrays with high coverage and enhanced interface combination. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 848-857.	7.1	25
9	Enhanced ferroelectric properties of predominantly (100)-oriented CaBi ₄ Ti ₄ O ₁₅ thin films on Pt-Ti-SiO ₂ -Si substrates. <i>Journal of Applied Physics</i> , 2008, 103, 056109.	2.5	21
10	Orientation growth and electrical property of CuSCN films associated with the surface states. <i>CrystEngComm</i> , 2012, 14, 6750.	2.6	20
11	Electrodeposition of wurtzite CdTe and the potential dependence of the phase structure. <i>Materials Letters</i> , 2016, 166, 85-88.	2.6	16
12	Low-Temperature Fabrication and Enhanced Ferro- and Piezoelectric Properties of Bi _{3.7} Nd _{0.3} Ti ₃ O ₁₂ Films on Indium TinOxide/Glass Substrates. <i>Journal of the American Ceramic Society</i> , 2009, 92, 1556-1559.	3.8	15
13	CdCl ₂ -assisting heat-treatment: Enhanced photoelectrocatalytic hydrogen generation and stability of CdS/ZnO nanoheterojunction arrays. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 9969-9977.	7.1	15
14	Structural modulation of CdS/ZnO nanoheterojunction arrays for full solar water splitting and their related degradation mechanisms. <i>Catalysis Science and Technology</i> , 2018, 8, 5280-5287.	4.1	11
15	A coaxial three-layer (Ni, Fe)O _x /H _y /Ni/Cu mesh electrode: excellent oxygen evolution reaction activity for water electrolysis. <i>Catalysis Science and Technology</i> , 2020, 10, 1803-1808.	4.1	9
16	Resistive switching behavior of Sb ₂ S ₃ thin film prepared by chemical bath deposition. <i>Materials Science in Semiconductor Processing</i> , 2016, 44, 18-22.	4.0	7
17	Preparation and ferroelectric properties of (124)-oriented SrBi ₄ Ti ₄ O ₁₅ ferroelectric thin film on (110)-oriented LaNiO ₃ electrode. <i>Journal of Materials Science: Materials in Electronics</i> , 2008, 19, 1031-1034.	2.2	6
18	Orientational growth and resistive switching behavior of anatase TiO ₂ thin films. <i>Materials Chemistry and Physics</i> , 2015, 156, 76-81.	4.0	6

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19	Statistical mechanical origin of hysteresis in ferroelectrics. Journal of Applied Physics, 2012, 112, 034113.	2.5	4
20	Alkaline electrolyte: toward high-quality CdTe films with the assistance of strong complexing agent and organic base. CrystEngComm, 2018, 20, 8-11.	2.6	4
21	Thickness effects of Bi _{3.5} Nd _{0.5} Ti ₃ O ₁₂ buffer layers on structure and electrical properties of BiFeO ₃ films. Journal of Materials Science, 2009, 44, 3556-3560.	3.7	3
22	Preparation and ferroelectric properties of predominantly (100)-oriented SrBi ₄ Ti ₄ O ₁₅ ferroelectric thin film on Pt(111)/TiO ₂ /SiO ₂ /Si(100) substrate. Journal of Materials Science: Materials in Electronics, 2009, 20, 113-116.	2.2	2
23	Structure and property of CdS thin films with different residual chlorine content. Materials Research Express, 2016, 3, 106404.	1.6	2