

Yong Zhao

List of Publications by Year in descending order

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16
papers

1,297
citations

840776

11
h-index

996975

15
g-index

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all docs

16
docs citations

16
times ranked

2148
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparing Graphene-TiO ₂ Nanowire and Graphene-TiO ₂ Nanoparticle Composite Photocatalysts. ACS Applied Materials & Interfaces, 2012, 4, 3944-3950.	8.0	511
2	Structural, electrical, and terahertz transmission properties of VO ₂ thin films grown on c-, r-, and m-plane sapphire substrates. Journal of Applied Physics, 2012, 111, .	2.5	172
3	Tunable dual-band terahertz metamaterial bandpass filters. Optics Letters, 2013, 38, 2382.	3.3	116
4	Effect of substrate orientation on terahertz optical transmission through VO ₂ thin films and application to functional antireflection coatings. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 2373.	2.1	94
5	Highly conductive VO ₂ treated with hydrogen for supercapacitors. Chemical Communications, 2013, 49, 3943.	4.1	85
6	VO ₂ multidomain heteroepitaxial growth and terahertz transmission modulation. Applied Physics Letters, 2010, 97, .	3.3	75
7	Influence of defects on structural and electrical properties of VO ₂ thin films. Journal of Applied Physics, 2011, 110, .	2.5	74
8	Tuning the properties of VO ₂ thin films through growth temperature for infrared and terahertz modulation applications. Journal of Applied Physics, 2013, 114, .	2.5	70
9	Hydrogen-doping stabilized metallic VO ₂ (R) thin films and their application to suppress Fabry-Perot resonances in the terahertz regime. Applied Physics Letters, 2014, 104, .	3.3	51
10	Electrically controlled metal-insulator transition process in VO ₂ thin films. Journal of Physics Condensed Matter, 2012, 24, 035601.	1.8	18
11	Tunable VO ₂ relaxation oscillators for analog applications. Semiconductor Science and Technology, 2019, 34, 105028.	2.0	13
12	Current-induced formation of stable M ₂ -phase vanadium dioxide. Journal Physics D: Applied Physics, 2015, 48, 135101.	2.8	8
13	TiO ₂ Nanostructures by Electrochemical Anodization for Dye-Sensitized Solar Cells. Nanoscience and Nanotechnology Letters, 2012, 4, 463-470.	0.4	5
14	Terahertz frequency selective surface with reconfigurable polarization characteristics using vanadium dioxide. Journal of Electromagnetic Waves and Applications, 2014, 28, 83-90.	1.6	4
15	Twin-domain Epitaxial Growth and Metal-insulator Transition of VO ₂ Thin Film on C-Plane Sapphire. Materials Research Society Symposia Proceedings, 2011, 1292, 73.	0.1	1
16	Titanium Dioxide Nanotubes Decorated with Nanoparticles for Dye Sensitized Solar Cells. Materials Research Society Symposia Proceedings, 2011, 1303, 81.	0.1	0