Haiyong Gao

List of Publications by Year
in descending order

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18	542	623734 14	839539 18
papers	citations	h-index	g-index

19	19	19	773
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Robust 3-D configurated metal oxide nano-array based monolithic catalysts with ultrahigh materials usage efficiency and catalytic performance tunability. Nano Energy, 2013, 2, 873-881.	16.0	76
2	Perovskite Nanoparticle-Sensitized Ga₂O₃ Nanorod Arrays for CO Detection at High Temperature. ACS Applied Materials & Interfaces, 2016, 8, 8880-8887.	8.0	65
3	Improvement of the performance of GaN-based LEDs grown on sapphire substrates patterned by wet and ICP etching. Solid-State Electronics, 2008, 52, 962-967.	1.4	48
4	Lowâ€Field Magnetoresistance in La_{0.67}Sr_{0.33}MnO₃:ZnO Composite Film. Advanced Functional Materials, 2012, 22, 3591-3595.	14.9	45
5	Hierarchical Assembly of Multifunctional Oxide-based Composite Nanostructures for Energy and Environmental Applications. International Journal of Molecular Sciences, 2012, 13, 7393-7423.	4.1	37
6	UV-enhanced CO sensing using Ga2O3-based nanorod arrays at elevated temperature. Applied Physics Letters, 2017, 110, .	3.3	36
7	Structure and magnetic properties of three-dimensional (La,Sr)MnO3 nanofilms on ZnO nanorod arrays. Applied Physics Letters, 2011, 98, 123105.	3.3	32
8	First and second order Raman scattering spectroscopy of nonpolar a-plane GaN. Journal of Applied Physics, 2007, 101, 103533.	2.5	28
9	Temperature dependence of the Raman-active modes in the nonpolar a-plane GaN film. Journal of Applied Physics, 2007, 101, 023506.	2.5	28
10	Synthesis, characterization and CO oxidation of TiO2/(La,Sr)MnO3 composite nanorod array. Catalysis Today, 2012, 184, 178-183.	4.4	27
11	Controlled synthesis and structure tunability of photocatalytically active mesoporous metal-based stannate nanostructures. Applied Surface Science, 2014, 296, 53-60.	6.1	24
12	Three dimensional koosh ball nanoarchitecture with a tunable magnetic core, fluorescent nanowire shell and enhanced photocatalytic property. Journal of Materials Chemistry, 2012, 22, 6862.	6.7	22
13	Perovskite-sensitized Î²-Ga₂O₃ nanorod arrays for highly selective and sensitive NO₂ detection at high temperature. Journal of Materials Chemistry A, 2020, 8, 10845-10854.	10.3	21
14	(La,Sr)CoO3/ZnO nanofilmâ€“nanorod diode arrays for photo-responsive moisture and humidity detection. Journal Physics D: Applied Physics, 2010, 43, 272002.	2.8	15
15	In situ TPR removal: a generic method for fabricating tubular array devices with mechanical and structural soundness, and functional robustness on various substrates. Journal of Materials Chemistry, 2012, 22, 23098.	6.7	14
16	Polarized Raman scattering studies of nonpolara-plane GaN films grown onr-plane sapphire substrates by MOCVD. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 3788-3792.	1.8	9
17	Bimodular high temperature planar oxygen gas sensor. Frontiers in Chemistry, 2014, 2, 57.	3.6	8
18	Fabrication and characterization of GaNâ€based LEDs grown on nanopatterned sapphire substrates. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 1719-1723.	1.8	7