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	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
2	UV-enhanced CO sensing using Ga2O3-based nanorod arrays at elevated temperature. Applied Physics Letters, 2017, 110, .	3.3	36
3	Perovskite Nanoparticle-Sensitized Ga₂O₃ Nanorod Arrays for CO Detection at High Temperature. ACS Applied Materials & Interfaces, 2016, 8, 8880-8887.	8.0	65
4	Bimodular high temperature planar oxygen gas sensor. Frontiers in Chemistry, 2014, 2, 57.	3.6	8
5	Controlled synthesis and structure tunability of photocatalytically active mesoporous metal-based stannate nanostructures. Applied Surface Science, 2014, 296, 53-60.	6.1	24
6	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
7	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
8	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
9	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
10	Lowâ€Field Magnetoresistance in La_{0.67}Sr_{0.33}MnO₃:ZnO Composite Film. Advanced Functional Materials, 2012, 22, 3591-3595.	14.9	45
11	Synthesis, characterization and CO oxidation of TiO2/(La,Sr)MnO3 composite nanorod array. Catalysis Today, 2012, 184, 178-183.	4.4	27
12	Structure and magnetic properties of three-dimensional (La,Sr)MnO3 nanofilms on ZnO nanorod arrays. Applied Physics Letters, 2011, 98, 123105.	3.3	32
13	(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
14	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
15	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
16	First and second order Raman scattering spectroscopy of nonpolar a-plane GaN. Journal of Applied Physics, 2007, 101, 103533.	2.5	28
17	Temperature dependence of the Raman-active modes in the nonpolar a-plane GaN film. Journal of Applied Physics, 2007, 101, 023506.	2.5	28
18	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