Jerry M Woodall

List of Publications by Year
in descending order

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30	679	758635 12	580395 25
papers	citations	h-index	g-index

31	31	31	591
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Study on the liquid phase-derived activation mechanism in Al-rich alloy hydrolysis reaction for hydrogen production. Energy, 2022, 247, 123489.	4.5	12
2	Gallium Phosphide Solar Cell Structures with Improved Quantum Efficiencies. Journal of Electronic Materials, 2020, 49, 3435-3440.	1.0	4
3	Gallium oxide nanowires for UV detection with enhanced growth and material properties. Scientific Reports, 2020, 10, 21434.	1.6	22
4	Interface studies of molecular beam epitaxy (MBE) grown ZnSeâ€“GaAs heterovalent structures. Journal of Applied Physics, 2020, 127, .	1.1	3
5	In situ grown single crystal aluminum as a nonalloyed ohmic contact to n-ZnSe by molecular beam epitaxy. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2020, 38, 042204.	0.6	0
6	Strategies for improving flow rate control of hydrogen generated by Al-rich alloys for on-board applications. International Journal of Hydrogen Energy, 2019, 44, 27695-27703.	3.8	14
7	Solar Blind Photodetectors Enabled by Nanotextured Î²-Ga2O3 Films Grown via Oxidation of GaAs Substrates. IEEE Photonics Journal, 2017, 9, 1-7.	1.0	42
8	Spontaneous delamination via compressive buckling facilitates largeâ€scale Î²â€Ga 2 O 3 thin film transfer from reusable GaAs substrates. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1700102.	0.8	3
9	Growth and Characterization of Single Crystalline InN Grown on GaN by RF Sputtering for Robust Schottky Contacts. Journal of Electronic Materials, 2016, 45, 6305-6309.	1.0	0
10	Improved High-Energy Response of AlGaAs/GaAs Solar Cells Using a Low-Cost Technology. Journal of Electronic Materials, 2016, 45, 6317-6322.	1.0	1
11	Pulse laser deposition fabricated InP/Al-ZnO heterojunction solar cells with efficiency enhanced by an i-ZnO interlayer. Applied Physics A: Materials Science and Processing, 2015, 121, 1219-1226.	1.1	6
12	Layered Growth of Lattice-Mismatched Ga x In1â^'x P on GaP Substrates by Liquid Phase Epitaxy. Journal of Electronic Materials, 2014, 43, 894-901.	1.0	3
13	Hall Effect Studies of AlGaAs Grown by Liquid-Phase Epitaxy for Tandem Solar Cell Applications. Journal of Electronic Materials, 2014, 43, 3999-4002.	1.0	5
14	Photoluminescence Excitation Spectroscopy for In-Line Optical Characterization of Crystalline Solar Cells. IEEE Journal of Photovoltaics, 2013, 3, 1342-1347.	1.5	15
15	Design and modeling of a high efficiency hybrid photovoltaic-photothermal concentrator (PVPTC) system. , 2013, , .		1
16	Liquid phase-enabled reaction of Alâ€“Ga and Alâ€“Gaâ€“Inâ€“Sn alloys with water. International Journal of Hydrogen Energy, 2011, 36, 5271-5279.	3.8	190
17	Design Guidelines for True Green LEDs and High Efficiency Photovoltaics Using ZnSe/GaAs Digital Alloys. Electrochemical and Solid-State Letters, 2010, 13, H5.	2.2	6
18	Drift dominated InP/GaP photodiodes. Solid-State Electronics, 2004, 48, 1975-1979.	0.8	1

#	Article	IF	Citations
19	Gallium arsenide deep-level optical emitter for fibre optics. Nature Materials, 2003, 2, 375-378.	13.3	27
20	Intensity and spatial modulation of spontaneous emission in GaAs by field aperture selecting transport. Applied Physics Letters, 2003, 82, 3197-3199.	1.5	8
21	Electrical characteristics and thermal stability of W, WSiN, and Nb contacts to p- and n-type GaN. Journal of Electronic Materials, 1999, 28, 228-233.	1.0	10
22	Subpicosecond photoconductivity ofIn0.53Ga0.47As: Intervalley scattering rates observed via THz spectroscopy. Physical Review B, 1996, 54, 5568-5573.	1.1	41
23	Hole dominated transport in InGaAs metal semiconductor metal photodetectors. Applied Physics Letters, 1995, 67, 413-415.	1.5	3
24	Temperature Dependence of Quantized States in Strained-LayerIn0.21Ga0.79As/GaAsSingle Quantum Well. Japanese Journal of Applied Physics, 1994, 33, 966-970.	0.8	23
25	Experimental comparison of strained quantumâ€wire and quantumâ€well laser characteristics. Applied Physics Letters, 1994, 64, 2211-2213.	1.5	21
26	Photoconductively switched antennas for measuring target resonances. Applied Physics Letters, 1994, 64, 2178-2180.	1.5	11
27	High efficiency and low threshold current strained Vâ€groove quantumâ€wire lasers. Applied Physics Letters, 1994, 64, 3536-3538.	1.5	103
28	Solubility-limit activation of Si doping at MBE GaAs pn junctions observed by cross-sectional scanning tunneling microscopy. Journal of Crystal Growth, 1993, 127, 1030-1031.	0.7	0
29	Optical emission properties of semiâ€insulating GaAs grown at low temperatures by molecular beam epitaxy. Applied Physics Letters, 1992, 60, 3007-3009.	1.5	32
30	Photoelectrolysis of Water with Semiconductor Materials. Journal of the Electrochemical Society, 1977, 124, 1436-1440.	1.3	72