Yanan Guo

List of Publications by Year
in descending order

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34	1,568	331538	434063
papers	citations	21	31
		h-index	g-index

35	35	35	1980
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hole and Electron Effective Masses in Single InP Nanowires with a Wurtzite-Zincblende Homojunction. ACS Nano, 2020, 14, 11613-11622.	7.3	8
2	Engineering the Side Facets of Vertical [100] Oriented InP Nanowires for Novel Radial Heterostructures. Nanoscale Research Letters, 2019, 14, 399.	3.1	9
3	Axial pâ€n junction design and characterization for InP nanowire array solar cells. Progress in Photovoltaics: Research and Applications, 2019, 27, 237-244.	4.4	22
4	Dopantâ€Free Twinning Superlattice Formation in InSb and InP Nanowires. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700310.	1.2	15
5	Design and Room-Temperature Operation of GaAs/AlGaAs Multiple Quantum Well Nanowire Lasers. Nano Letters, 2016, 16, 5080-5086.	4.5	80
6	Simultaneous Selective-Area and Vaporâ€“Liquidâ€“Solid Growth of InP Nanowire Arrays. Nano Letters, 2016, 16, 4361-4367.	4.5	57
7	Antimony Induced {112}A Faceted Triangular GaAs_{1â^'x}Sb_x/InP Core/Shell Nanowires and Their Enhanced Optical Quality. Advanced Functional Materials, 2015, 25, 5300-5308.	7.8	40
8	Spontaneous formation of coreâ€“shell GaAsP nanowires and their enhanced electrical conductivity. Journal of Materials Chemistry C, 2015, 3, 1745-1750.	2.7	18
9	Zn₃As₂ Nanowires and Nanoplatelets: Highly Efficient Infrared Emission and Photodetection by an Earth Abundant Material. Nano Letters, 2015, 15, 378-385.	4.5	17
10	Measurement of doping concentration, internal quantum efficiency and non-radiative lifetime of InP nanowires. , 2014, , .		1
11	Phase Separation Induced by Au Catalysts in Ternary InGaAs Nanowires. Nano Letters, 2013, 13, 643-650.	4.5	79
12	Polarity-driven Nonuniform Composition in InGaAs Nanowires. Nano Letters, 2013, 13, 5085-5089.	4.5	40
13	Polarity driven simultaneous growth of free-standing and lateral GaAsP epitaxial nanowires on GaAs (001) substrate. Applied Physics Letters, 2013, 103, .	1.5	12
14	High-pressure freezing/freeze substitution and transmission electron microscopy for characterization of metal oxide nanoparticles within sunscreens. Nanomedicine, 2012, 7, 541-551.	1.7	10
15	Fabrication of crystal Î±-Si₃N₄/Siâ€“SiO_xcoreâ€“shell/Auâ€“SiO_xpeapod-like axial double heterostructures for optoelectronic applications. Nanotechnology, 2012, 23, 305603.		3
16	Quantitative study of GaAs nanowires catalyzed by Au film of different thicknesses. Nanoscale Research Letters, 2012, 7, 589.	3.1	17
17	Defect-Free <110> Zinc-Blende Structured InAs Nanowires Catalyzed by Palladium. Nano Letters, 2012, 12, 5744-5749.	4.5	62
18	High-Density, Defect-Free, and Taper-Restrained Epitaxial GaAs Nanowires Induced from Annealed Au Thin Films. Crystal Growth and Design, 2012, 12, 2018-2022.	1.4	35

#	Article	IF	Citations
19	Hydrogenation/dehydrogenation in MgH2-activated carbon composites prepared by ball milling. International Journal of Hydrogen Energy, 2012, 37, 7579-7585.	3.8	60
20	A systematic study of long-range ordered 3D-SBA-15 materials by electron tomography. New Journal of Chemistry, 2011, 35, 2456.	1.4	24
21	From titanium oxydifluoride (TiOF2) to titania (TiO2): phase transition and non-metal doping with enhanced photocatalytic hydrogen (H2) evolution properties. Chemical Communications, 2011, 47, 6138.	2.2	110
22	Mutual Diffusion and Microstructure Evolution at the Electrolyteâ^'Anode Interface in Intermediate Temperature Solid Oxide Fuel Cell. Journal of Physical Chemistry C, 2011, 115, 6877-6885.	1.5	25
23	Defect-Free GaAs/AlGaAs Coreâ€“Shell Nanowires on Si Substrates. Crystal Growth and Design, 2011, 11, 3109-3114.	1.4	42
24	Direct Measure of Strain and Electronic Structure in GaAs/GaP Coreâ^'Shell Nanowires. Nano Letters, 2010, 10, 880-886.	4.5	101
25	Structural and optical characterization of vertical GaAs/GaP core-shell nanowires grown on Si substrates. , 2010, , .		0
26	Formation of Hierarchical InAs Nanoringâ€‰/â€‰GaAs Nanowire Heterostructures. Angewandte Chemie - International Edition, 2009, 48, 780-783.	7.2	43
27	Evolution of Wurtzite Structured GaAs Shells Around InAs Nanowire Cores. Nanoscale Research Letters, 2009, 4, 846-849.	3.1	30
28	Evolution of Epitaxial InAs Nanowires on GaAs (111)B. Small, 2009, 5, 366-369.	5.2	51
29	Visible-light photoresponsive heterojunctions of (Nbâ€“Tiâ€“Si) and (Bi/Bi-O) nanoparticles. Electrochemistry Communications, 2009, 11, 509-514.	2.3	6
30	Fluorine and Carbon Codoped Macroporous Titania Microspheres: Highly Effective Photocatalyst for the Destruction of Airborne Styrene under Visible Light. Journal of Physical Chemistry C, 2008, 112, 19655-19661.	1.5	25
31	Growth, Structural and Optical Properties of High Quality GaAs Nanowires for Optoelectronics. , 2008, , .		0
32	Twin-Free Uniform Epitaxial GaAs Nanowires Grown by a Two-Temperature Process. Nano Letters, 2007, 7, 921-926.	4.5	297
33	Growth Mechanism of Truncated Triangular IIIâ€“V Nanowires. Small, 2007, 3, 389-393.	5.2	136
34	Novel Growth Phenomena Observed in Axial InAs/GaAs Nanowire Heterostructures. Small, 2007, 3, 1873-1877.	5.2	93