

Yanan Guo

List of Publications by Year in descending order

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34
papers

1,568
citations

331538

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31
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all docs

35
docs citations

35
times ranked

1980
citing authors

#	ARTICLE	IF	CITATIONS
1	Twin-Free Uniform Epitaxial GaAs Nanowires Grown by a Two-Temperature Process. Nano Letters, 2007, 7, 921-926.	4.5	297
2	Growth Mechanism of Truncated Triangular InAs Nanowires. Small, 2007, 3, 389-393.	5.2	136
3	From titanium oxydifluoride (TiOF ₂) to titania (TiO ₂): phase transition and non-metal doping with enhanced photocatalytic hydrogen (H ₂) evolution properties. Chemical Communications, 2011, 47, 6138.	2.2	110
4	Direct Measure of Strain and Electronic Structure in GaAs/GaP Core-Shell Nanowires. Nano Letters, 2010, 10, 880-886.	4.5	101
5	Novel Growth Phenomena Observed in Axial InAs/GaAs Nanowire Heterostructures. Small, 2007, 3, 1873-1877.	5.2	93
6	Design and Room-Temperature Operation of GaAs/AlGaAs Multiple Quantum Well Nanowire Lasers. Nano Letters, 2016, 16, 5080-5086.	4.5	80
7	Phase Separation Induced by Au Catalysts in Ternary InGaAs Nanowires. Nano Letters, 2013, 13, 643-650.	4.5	79
8	Defect-Free & Zinc-Blende Structured InAs Nanowires Catalyzed by Palladium. Nano Letters, 2012, 12, 5744-5749.	4.5	62
9	Hydrogenation/dehydrogenation in MgH ₂ -activated carbon composites prepared by ball milling. International Journal of Hydrogen Energy, 2012, 37, 7579-7585.	3.8	60
10	Simultaneous Selective-Area and Vapor-Liquid-Solid Growth of InP Nanowire Arrays. Nano Letters, 2016, 16, 4361-4367.	4.5	57
11	Evolution of Epitaxial InAs Nanowires on GaAs (111)B. Small, 2009, 5, 366-369.	5.2	51
12	Formation of Hierarchical InAs Nanoring-GaAs Nanowire Heterostructures. Angewandte Chemie - International Edition, 2009, 48, 780-783.	7.2	43
13	Defect-Free GaAs/AlGaAs Core-Shell Nanowires on Si Substrates. Crystal Growth and Design, 2011, 11, 3109-3114.	1.4	42
14	Polarity-driven Nonuniform Composition in InGaAs Nanowires. Nano Letters, 2013, 13, 5085-5089.	4.5	40
15	Antimony Induced {112}A Faceted Triangular GaAs _{1-x} Sb _x /InP Core/Shell Nanowires and Their Enhanced Optical Quality. Advanced Functional Materials, 2015, 25, 5300-5308.	7.8	40
16	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
17	Evolution of Wurtzite Structured GaAs Shells Around InAs Nanowire Cores. Nanoscale Research Letters, 2009, 4, 846-849.	3.1	30
18	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

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19	Mutual Diffusion and Microstructure Evolution at the Electrolyte/Anode Interface in Intermediate Temperature Solid Oxide Fuel Cell. <i>Journal of Physical Chemistry C</i> , 2011, 115, 6877-6885.	1.5	25
20	A systematic study of long-range ordered 3D-SBA-15 materials by electron tomography. <i>New Journal of Chemistry</i> , 2011, 35, 2456.	1.4	24
21	Axial p-n junction design and characterization for InP nanowire array solar cells. <i>Progress in Photovoltaics: Research and Applications</i> , 2019, 27, 237-244.	4.4	22
22	Spontaneous formation of core-shell GaAsP nanowires and their enhanced electrical conductivity. <i>Journal of Materials Chemistry C</i> , 2015, 3, 1745-1750.	2.7	18
23	Quantitative study of GaAs nanowires catalyzed by Au film of different thicknesses. <i>Nanoscale Research Letters</i> , 2012, 7, 589.	3.1	17
24	Zn ₃ As ₂ Nanowires and Nanoplatelets: Highly Efficient Infrared Emission and Photodetection by an Earth Abundant Material. <i>Nano Letters</i> , 2015, 15, 378-385.	4.5	17
25	Dopant-Free Twinning Superlattice Formation in InSb and InP Nanowires. <i>Physica Status Solidi - Rapid Research Letters</i> , 2017, 11, 1700310.	1.2	15
26	Polarity driven simultaneous growth of free-standing and lateral GaAsP epitaxial nanowires on GaAs (001) substrate. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	12
27	High-pressure freezing/freeze substitution and transmission electron microscopy for characterization of metal oxide nanoparticles within sunscreens. <i>Nanomedicine</i> , 2012, 7, 541-551.	1.7	10
28	Engineering the Side Facets of Vertical [100] Oriented InP Nanowires for Novel Radial Heterostructures. <i>Nanoscale Research Letters</i> , 2019, 14, 399.	3.1	9
29	Hole and Electron Effective Masses in Single InP Nanowires with a Wurtzite-Zincblende Homojunction. <i>ACS Nano</i> , 2020, 14, 11613-11622.	7.3	8
30	Visible-light photoresponsive heterojunctions of (Nb/Ti/Si) and (Bi/Bi-O) nanoparticles. <i>Electrochemistry Communications</i> , 2009, 11, 509-514.	2.3	6
31	Fabrication of crystal $\text{In}_{\pm}\text{Si}_3\text{N}_4/\text{Si}/\text{SiO}_x/\text{core-shell}/\text{Au}/\text{SiO}_x/\text{peapod-like}$ axial double heterostructures for optoelectronic applications. <i>Nanotechnology</i> , 2012, 23, 305603.		3
32	Measurement of doping concentration, internal quantum efficiency and non-radiative lifetime of InP nanowires. , 2014, , .		1
33	Growth, Structural and Optical Properties of High Quality GaAs Nanowires for Optoelectronics. , 2008, , .		0
34	Structural and optical characterization of vertical GaAs/GaP core-shell nanowires grown on Si substrates. , 2010, , .		0