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List of Publications by Year
in descending order

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195 papers	9,082 citations	53660 45 h-index	43802 91 g-index
197 all docs	197 docs citations	197 times ranked	7011 citing authors

#	Article	IF	Citations
1	InP Nanowire Array Solar Cells Achieving 13.8% Efficiency by Exceeding the Ray Optics Limit. Science, 2013, 339, 1057-1060.	6.0	1,093
2	Twinning superlattices in indium phosphide nanowires. Nature, 2008, 456, 369-372.	13.7	625
3	Nanowire Arrays Defined by Nanoimprint Lithography. Nano Letters, 2004, 4, 699-702.	4.5	383
4	Single Quantum Dot Nanowire LEDs. Nano Letters, 2007, 7, 367-371.	4.5	349
5	Preferential Interface Nucleation: An Expansion of the VLS Growth Mechanism for Nanowires. Advanced Materials, 2009, 21, 153-165.	11.1	309
6	Growth of one-dimensional nanostructures in MOVPE. Journal of Crystal Growth, 2004, 272, 211-220.	0.7	278
7	Optically Bright Quantum Dots in Single Nanowires. Nano Letters, 2005, 5, 1439-1443.	4.5	266
8	Synergetic nanowire growth. Nature Nanotechnology, 2007, 2, 541-544.	15.6	220
9	Fabrication of individually seeded nanowire arrays by vapourâ€“liquidâ€“solid growth. Nanotechnology, 2003, 14, 1255-1258.	1.3	189
10	Growth Kinetics of Heterostructured GaPâˆ’GaAs Nanowires. Journal of the American Chemical Society, 2006, 128, 1353-1359.	6.6	182
11	Defect-free InP nanowires grown in [001] direction on InP (001). Applied Physics Letters, 2004, 85, 2077-2079.	1.5	173
12	Semiconductor nanowires for 0D and 1D physics and applications. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 25, 313-318.	1.3	172
13	Towards high efficiency nanowire solar cells. Nano Today, 2017, 12, 31-45.	6.2	153
14	Doping of semiconductor nanowires. Journal of Materials Research, 2011, 26, 2142-2156.	1.2	139
15	In situ etching for total control over axial and radial nanowire growth. Nano Research, 2010, 3, 264-270.	5.8	135
16	Nanowires With Promise for Photovoltaics. IEEE Journal of Selected Topics in Quantum Electronics, 2011, 17, 1050-1061.	1.9	123
17	Axial InP Nanowire Tandem Junction Grown on a Silicon Substrate. Nano Letters, 2011, 11, 2028-2031.	4.5	114
18	Size- and shape-controlled GaAs nano-whiskers grown by MOVPE: a growth study. Journal of Crystal Growth, 2004, 260, 18-22.	0.7	112

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19	Electron Trapping in InP Nanowire FETs with Stacking Faults. Nano Letters, 2012, 12, 151-155.	4.5	102
20	Epitaxial Growth of III-V Nanowires on Group IV Substrates. MRS Bulletin, 2007, 32, 117-122.	1.7	95
21	Precursor evaluation forin situInP nanowire doping. Nanotechnology, 2008, 19, 445602.	1.3	92
22	Tunnel Field-Effect Transistors Based on InP-GaAs Heterostructure Nanowires. ACS Nano, 2012, 6, 3109-3113.	7.3	89
23	Three-Dimensional Morphology of GaPâ"GaAs Nanowires Revealed by Transmission Electron Microscopy Tomography. Nano Letters, 2007, 7, 3051-3055.	4.5	87
24	The electrical and structural properties of n-type InAs nanowires grown from metalâ€"organic precursors. Nanotechnology, 2010, 21, 205703.	1.3	86
25	Probing Strain in Bent Semiconductor Nanowires with Raman Spectroscopy. Nano Letters, 2010, 10, 1280-1286.	4.5	85
26	Absorption of light in InP nanowire arrays. Nano Research, 2014, 7, 816-823.	5.8	85
27	Changes in Contact Angle of Seed Particle Correlated with Increased Zincblende Formation in Doped InP Nanowires. Nano Letters, 2010, 10, 4807-4812.	4.5	83
28	Direct imaging of the atomic structure inside a nanowire by scanning tunnelling microscopy. Nature Materials, 2004, 3, 519-523.	13.3	79
29	Diameter-dependent conductance of InAs nanowires. Journal of Applied Physics, 2009, 106, .	1.1	77
30	High-Performance Single Nanowire Tunnel Diodes. Nano Letters, 2010, 10, 974-979.	4.5	77
31	Remote p-Doping of InAs Nanowires. Nano Letters, 2007, 7, 1144-1148.	4.5	70
32	Understanding InP Nanowire Array Solar Cell Performance by Nanoprobe-Enabled Single Nanowire Measurements. Nano Letters, 2018, 18, 3038-3046.	4.5	69
33	Giant optical birefringence in ensembles of semiconductor nanowires. Applied Physics Letters, 2006, 89, 233117.	1.5	66
34	Probing the Wurtzite Conduction Band Structure Using State Filling in Highly Doped InP Nanowires. Nano Letters, 2011, 11, 2286-2290.	4.5	66
35	Interface study on heterostructured GaPâ€"GaAs nanowires. Nanotechnology, 2006, 17, 4010-4013.	1.3	60
36	High-Performance InAs Nanowire MOSFETs. IEEE Electron Device Letters, 2012, 33, 791-793.	2.2	60

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37	A Comparative Study of Absorption in Vertically and Laterally Oriented InP Coreâ€“Shell Nanowire Photovoltaic Devices. Nano Letters, 2015, 15, 1809-1814.	4.5	57
38	Epitaxial Growth of Aligned Semiconductor Nanowire Metamaterials for Photonic Applications. Advanced Functional Materials, 2008, 18, 1039-1046.	7.8	56
39	Strategies to obtain pattern fidelity in nanowire growth from large-area surfaces patterned using nanoimprint lithography. Nano Research, 2016, 9, 2852-2861.	5.8	56
40	Cellular traction forces: a useful parameter in cancer research. Nanoscale, 2017, 9, 19039-19044.	2.8	54
41	In Situ Characterization of Nanowire Dimensions and Growth Dynamics by Optical Reflectance. Nano Letters, 2015, 15, 3597-3602.	4.5	53
42	Towards Nanowire Tandem Junction Solar Cells on Silicon. IEEE Journal of Photovoltaics, 2018, 8, 733-740.	1.5	53
43	Arrays of Ge islands on Si(001) grown by means of electron-beam pre-patterning. Nanotechnology, 2003, 14, 264-267.	1.3	52
44	Unit cell parameters of wurtzite InP nanowires determined by x-ray diffraction. Nanotechnology, 2011, 22, 425704.	1.3	49
45	Particle-assisted Ga_xIn_{1â^'x}P nanowire growth for designed bandgap structures. Nanotechnology, 2012, 23, 245601.	1.3	48
46	A New Route toward Semiconductor Nanospintronics: Highly Mn-Doped GaAs Nanowires Realized by Ion-Implantation under Dynamic Annealing Conditions. Nano Letters, 2011, 11, 3935-3940.	4.5	47
47	Fluorescent Nanowire Heterostructures as a Versatile Tool for Biology Applications. Nano Letters, 2013, 13, 4728-4732.	4.5	43
48	Bending and Twisting Lattice Tilt in Strained Coreâ€“Shell Nanowires Revealed by Nanofocused X-ray Diffraction. Nano Letters, 2017, 17, 4143-4150.	4.5	43
49	Zinc Incorporation via the Vaporâ^'Liquidâ^'Solid Mechanism into InP Nanowires. Journal of the American Chemical Society, 2009, 131, 4578-4579.	6.6	41
50	Valence band splitting in wurtzite InP nanowires observed by photoluminescence and photoluminescence excitation spectroscopy. Nano Research, 2011, 4, 159-163.	5.8	41
51	Au-Seeded Growth of Vertical and in-Plane IIIâ€“V Nanowires on Graphite Substrates. Nano Letters, 2014, 14, 1707-1713.	4.5	41
52	Doping Incorporation in InAs nanowires characterized by capacitance measurements. Journal of Applied Physics, 2010, 108, .	1.1	40
53	Study of carrier concentration in single InP nanowires by luminescence and Hall measurements. Nanotechnology, 2015, 26, 045705.	1.3	38
54	Surface Chemistry, Structure, and Electronic Properties from Microns to the Atomic Scale of Axially Doped Semiconductor Nanowires. ACS Nano, 2012, 6, 9679-9689.	7.3	37

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55	Study of photocurrent generation in InP nanowire-based p+-i-n+ photodetectors. Nano Research, 2014, 7, 544-552.	5.8	37
56	Radial Nanowire Light-Emitting Diodes in the (Al_xGa_{1â€“x})_yIn_{1â€“y}P Material System. Nano Letters, 2016, 16, 656-662.	4.5	37
57	High peak-to-valley ratios observed in InAs/InP resonant tunneling quantum dot stacks. Applied Physics Letters, 2001, 78, 3232-3234.	1.5	36
58	Room-temperature InP/InAsP Quantum Discs-in-Nanowire Infrared Photodetectors. Nano Letters, 2017, 17, 3356-3362.	4.5	36
59	Comparing Hall Effect and Field Effect Measurements on the Same Single Nanowire. Nano Letters, 2016, 16, 205-211.	4.5	35
60	Translocation of 40â€‰nm diameter nanowires through the intestinal epithelium of Daphnia magna. Nanotoxicology, 2016, 10, 1160-1167.	1.6	34
61	Absorption and transmission of light in IIIâ€“V nanowire arrays for tandem solar cell applications. Nanotechnology, 2017, 28, 205203.	1.3	34
62	Intersubband Quantum Disc-in-Nanowire Photodetectors with Normal-Incidence Response in the Long-Wavelength Infrared. Nano Letters, 2018, 18, 365-372.	4.5	34
63	Orientationâ€Dependent Opticalâ€Polarization Properties of Single Quantum Dots in Nanowires. Small, 2009, 5, 2134-2138.	5.2	33
64	Growth and characterization of wurtzite GaP nanowires with control over axial and radial growth by use of HCl in-situ etching. Journal of Crystal Growth, 2014, 386, 47-51.	0.7	32
65	Tunable few-electron quantum dots in InAs nanowires. Nanotechnology, 2007, 18, 044014.	1.3	31
66	Electrical and optical properties of InP nanowire ensemble p⁺â€“iâ€“n⁺photodetectors. Nanotechnology, 2012, 23, 135201.	1.3	31
67	Structural Properties of Wurtzite InPâ€“InGaAs Nanowire Coreâ€“Shell Heterostructures. Nano Letters, 2015, 15, 2462-2467.	4.5	31
68	InAs quantum dots and quantum wells grown on stacking-fault controlled InP nanowires with wurtzite crystal structure. Applied Physics Letters, 2011, 99, 131915.	1.5	30
69	Synthesis of Doped InP Coreâ€“Shell Nanowires Evaluated Using Hall Effect Measurements. Nano Letters, 2014, 14, 749-753.	4.5	30
70	Bragg coherent x-ray diffractive imaging of a single indium phosphide nanowire. Journal of Optics (United Kingdom), 2016, 18, 064007.	1.0	30
71	Degenerate p-doping of InP nanowires for large area tunnel diodes. Applied Physics Letters, 2011, 99, .	1.5	28
72	In_xGa_{1â€“x}P Nanowire Growth Dynamics Strongly Affected by Doping Using Diethylzinc. Nano Letters, 2017, 17, 702-707.	4.5	28

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73	Designed emitter states in resonant tunneling through quantum dots. Applied Physics Letters, 2002, 80, 2681-2683.	1.5	27
74	Growth of doped InAsyP1â^'y nanowires with InP shells. Journal of Crystal Growth, 2011, 331, 8-14.	0.7	27
75	InP/InAsP Nanowire-Based Spatially Separate Absorption and Multiplication Avalanche Photodetectors. ACS Photonics, 2017, 4, 2693-2698.	3.2	27
76	Radiation Tolerant Nanowire Array Solar Cells. ACS Nano, 2019, 13, 12860-12869.	7.3	27
77	Carrier Recombination Dynamics in Sulfur-Doped InP Nanowires. Nano Letters, 2015, 15, 7238-7244.	4.5	26
78	InP/GaInP nanowire tunnel diodes. Nano Research, 2018, 11, 2523-2531.	5.8	26
79	Bulk-like transverse electron mobility in an array of heavily<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>n</mml:mi></mml:math>-doped InP nanowires probed by terahertz spectroscopy. Physical Review B, 2014, 90, .	1.1	24
80	Growth and optical properties of In x Ga1â^'x P nanowires synthesized by selective-area epitaxy. Nano Research, 2017, 10, 672-682.	5.8	24
81	Transport through an isolated artificial molecule formed from stacked self-assembled quantum dots. Applied Physics Letters, 2003, 82, 2655-2657.	1.5	23
82	FIB Plan and Side View Cross-Sectional TEM Sample Preparation of Nanostructures. Microscopy and Microanalysis, 2014, 20, 133-140.	0.2	23
83	Doping GaP Coreâ€“Shell Nanowire pnâ€Junctions: A Study by Offâ€Axis Electron Holography. Small, 2015, 11, 2687-2695.	5.2	22
84	IIIâ€“V Nanowire Synthesis by Use of Electrodeposited Gold Particles. Nano Letters, 2015, 15, 134-138.	4.5	22
85	Fabrication of Semiconductor Nanowires for Electronic Transport Measurements. Chimia, 2006, 60, 729-734.	0.3	21
86	InAs quantum dots grown on InAlGaAs lattice matched to InP. Journal of Crystal Growth, 2003, 252, 481-485.	0.7	20
87	Ground State Depletion Nanoscopy Resolves Semiconductor Nanowire Barcode Segments at Room Temperature. Nano Letters, 2017, 17, 2652-2659.	4.5	20
88	Carrier Recombination Processes in Gallium Indium Phosphide Nanowires. Nano Letters, 2017, 17, 4248-4254.	4.5	20
89	Electron beam prepatterning for site control of self-assembled quantum dots. Applied Physics Letters, 2001, 78, 1367-1369.	1.5	19
90	Gate-Induced Fermi Level Tuning in InP Nanowires at Efficiency Close to the Thermal Limit. Nano Letters, 2011, 11, 1127-1130.	4.5	19

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91	Semiconductor nanostructures enabled by aerosol technology. Frontiers of Physics, 2014, 9, 398-418.	2.4	19
92	Growth parameter design for homogeneous material composition in ternary Ga_xIn_{1â^'x}P nanowires. Nanotechnology, 2015, 26, 435601.	1.3	19
93	Nanobeam X-ray Fluorescence Dopant Mapping Reveals Dynamics of in Situ Zn-Doping in Nanowires. Nano Letters, 2018, 18, 6461-6468.	4.5	19
94	Time-resolved photoluminescence investigations on HfO₂-capped InP nanowires. Nanotechnology, 2010, 21, 105711.	1.3	18
95	MOVPE overgrowth of metallic features for realisation of 3D metalâ€“semiconductor quantum devices. Journal of Crystal Growth, 2000, 221, 704-712.	0.7	17
96	Optical investigation of InAs/InP quantum dots at different temperatures and under electric field. Thin Solid Films, 2000, 364, 161-164.	0.8	16
97	Bias-controlled friction of InAs nanowires on a silicon nitride layer studied by atomic force microscopy. Physical Review B, 2010, 82, .	1.1	16
98	Dynamics of extremely anisotropic etching of InP nanowires by HCl. Chemical Physics Letters, 2011, 502, 222-224.	1.2	16
99	Doping profile of InP nanowires directly imaged by photoemission electron microscopy. Applied Physics Letters, 2011, 99, 233113.	1.5	16
100	Currentâ€“Voltage Characterization of Individual As-Grown Nanowires Using a Scanning Tunneling Microscope. Nano Letters, 2013, 13, 5182-5189.	4.5	16
101	Measurements of Strain and Bandgap of Coherently Epitaxially Grown Wurtzite InAsPâ€“InP Coreâ€“Shell Nanowires. Nano Letters, 2019, 19, 2674-2681.	4.5	16
102	Structural investigation of GaInP nanowires using X-ray diffraction. Thin Solid Films, 2013, 543, 100-105.	0.8	15
103	Optical Far-Field Method with Subwavelength Accuracy for the Determination of Nanostructure Dimensions in Large-Area Samples. Nano Letters, 2013, 13, 2662-2667.	4.5	15
104	Photoluminescence study of as-grown vertically standing wurtzite InP nanowire ensembles. Nanotechnology, 2013, 24, 115706.	1.3	15
105	Doping evaluation of InP nanowires for tandem junction solar cells. Nanotechnology, 2016, 27, 065706.	1.3	15
106	Optimization of Current Injection in AlGaInP Coreâ^'Shell Nanowire Light-Emitting Diodes. Nano Letters, 2017, 17, 3599-3606.	4.5	15
107	Nanowire Solar Cells: A New Radiation Hard PV Technology for Space Applications. IEEE Journal of Photovoltaics, 2020, 10, 502-507.	1.5	15
108	Self-assembled InN quantum dots on side facets of GaN nanowires. Journal of Applied Physics, 2018, 123, .	1.1	14

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109	Light current-voltage measurements of single, as-grown, nanowire solar cells standing vertically on a substrate. Nano Energy, 2020, 78, 105191.	8.2	14
110	Single GaInP nanowire p-i-n junctions near the direct to indirect bandgap crossover point. Applied Physics Letters, 2012, 100, 251103.	1.5	13
111	Effect of hydrogen chloride etching on carrier recombination processes of indium phosphide nanowires. Nanoscale, 2019, 11, 18550-18558.	2.8	13
112	Simultaneous Growth of Pure Wurtzite and Zinc Blende Nanowires. Nano Letters, 2019, 19, 2723-2730.	4.5	13
113	High Responsivity of InP/InAsP Nanowire Array Broadband Photodetectors Enhanced by Optical Gating. Nano Letters, 2019, 19, 8424-8430.	4.5	13
114	Operando Surface Characterization of InP Nanowire pâ€“n Junctions. Nano Letters, 2020, 20, 887-895.	4.5	13
115	Unravelling processing issues of nanowire-based solar cell arrays by use of electron beam induced current measurements. Nano Energy, 2020, 71, 104575.	8.2	13
116	Integration, gap formation, and sharpening of III-V heterostructure nanowires by selective etching. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2010, 28, 21-26.	0.6	12
117	Coulomb blockade from the shell of an InP-InAs core-shell nanowire with a triangular cross section. Applied Physics Letters, 2019, 114, 053108.	1.5	12
118	Nanoscale mapping of carrier collection in single nanowire solar cells using X-ray beam induced current. Journal of Synchrotron Radiation, 2019, 26, 102-108.	1.0	12
119	Reflection measurements to reveal the absorption in nanowire arrays. Optics Letters, 2013, 38, 1449.	1.7	11
120	Optical characterization of InAs quantum wells and dots grown radially on wurtzite InP nanowires. Nanotechnology, 2013, 24, 225203.	1.3	11
121	Combining Nanofocused X-Rays with Electrical Measurements at the NanoMAX Beamline. Crystals, 2019, 9, 432.	1.0	11
122	High resolution strain mapping of a single axially heterostructured nanowire using scanning X-ray diffraction. Nano Research, 2020, 13, 2460-2468.	5.8	11
123	Realization of axially defined GaInP/InP/InAsP triple-junction photovoltaic nanowires for high-performance solar cells. Materials Today Energy, 2022, 27, 101050.	2.5	11
124	In situetching for control over axial and radial III-V nanowire growth rates using HBr. Nanotechnology, 2014, 25, 505601.	1.3	10
125	Bias-dependent spectral tuning in InP nanowire-based photodetectors. Nanotechnology, 2017, 28, 114006.	1.3	10
126	Growth kinetics of Ga _x In_(1â^'x)P nanowires using triethylgallium as Ga precursor. Nanotechnology, 2018, 29, 394001.	1.3	10

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127	Revealing misfit dislocations in InAs_xP_{1â^'x}-InP coreâ€“shell nanowires by x-ray diffraction. Nanotechnology, 2019, 30, 505703.	1.3	10
128	Hot-carrier separation in heterostructure nanowires observed by electron-beam induced current. Nanotechnology, 2020, 31, 394004.	1.3	10
129	Local and anisotropic excitation of surface plasmon polaritons by semiconductor nanowires. Optics Express, 2008, 16, 5013.	1.7	9
130	Spectrally resolved x-ray beam induced current in a single InGaP nanowire. Nanotechnology, 2018, 29, 454001.	1.3	9
131	Culturing and patch clamping of Jurkat T cells and neurons on Al₂O₃ coated nanowire arrays of altered morphology. RSC Advances, 2019, 9, 11194-11201.	1.7	9
132	Self-Limiting Polymer Exposure for Vertical Processing of Semiconductor Nanowire-Based Flexible Electronics. ACS Applied Nano Materials, 2020, 3, 7743-7749.	2.4	9
133	Semiconductor nanowire array for transparent photovoltaic applications. Applied Physics Letters, 2021, 118, 191107.	1.5	9
134	Modification of the photoluminescence anisotropy of semiconductor nanowires by coupling to surface plasmon polaritons. Optics Letters, 2007, 32, 2097.	1.7	8
135	Tunable double quantum dots in InAs nanowires. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1202-1204.	1.3	8
136	Epitaxial Growth of III-V Nanowires on Group IV Substrates. Materials Research Society Symposia Proceedings, 2008, 1068, 1.	0.1	8
137	Semiconductor-Oxide Heterostructured Nanowires Using Postgrowth Oxidation. Nano Letters, 2013, 13, 5961-5966.	4.5	8
138	Direct Three-Dimensional Imaging of an X-ray Nanofocus Using a Single 60 nm Diameter Nanowire Device. Nano Letters, 2020, 20, 8326-8331.	4.5	8
139	Embedded sacrificial AlAs segments in GaAs nanowires for substrate reuse. Nanotechnology, 2020, 31, 204002.	1.3	8
140	Confinement effects on Brillouin scattering in semiconductor nanowire photonic crystal. Physical Review B, 2016, 94, .	1.1	7
141	Radial tunnel diodes based on InP/InGaAs core-shell nanowires. Applied Physics Letters, 2017, 110, .	1.5	7
142	Time-resolved photoluminescence characterization of GaAs nanowire arrays on native substrate. Nanotechnology, 2017, 28, 505706.	1.3	7
143	Electrical and optical evaluation ofn-type doping in In_xGa_(1â^'x)P nanowires. Nanotechnology, 2018, 29, 255701.	1.3	7
144	Template-assisted vapourâ€“liquidâ€“solid growth of InP nanowires on (001) InP and Si substrates. Nanoscale, 2020, 12, 888-894.	2.8	7

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145	Wafer-Scale Synthesis and Optical Characterization of InP Nanowire Arrays for Solar Cells. Nano Letters, 2021, 21, 7347-7353.	4.5	7
146	Electron beam pre-patterning for site-control of self-assembled InAs quantum dots on Inp surfaces. Journal of Electronic Materials, 2001, 30, 482-486.	1.0	6
147	Fabrication and characterization of AlP-GaP core-shell nanowires. Journal of Crystal Growth, 2011, 324, 290-295.	0.7	6
148	Large-energy-shift photon upconversion in degenerately doped InP nanowires by direct excitation into the electron gas. Nano Research, 2013, 6, 752-757.	5.8	6
149	Growth of wurtzite Al_xGa_{1â^'x}P nanowire shells and characterization by Raman spectroscopy. Nanotechnology, 2017, 28, 035706.	1.3	6
150	Defect-induced infrared electroluminescence from radial GaInP/AlGaInP quantum well nanowire array light- emitting diodes. Nanotechnology, 2017, 28, 485205.	1.3	6
151	Anti-Stokes photoluminescence probing k-conservation and thermalization of minority carriers in degenerately doped semiconductors. Nature Communications, 2017, 8, 1634.	5.8	6
152	Nanowire photodetectors with embedded quantum heterostructures for infrared detection. Infrared Physics and Technology, 2019, 96, 209-212.	1.3	6
153	Gain and bandwidth of InP nanowire array photodetectors with embedded photogated InAsP quantum discs. Nanoscale, 2021, 13, 6227-6233.	2.8	6
154	Development and Characterization of a bottom-up InP Nanowire Solar Cell with 16.7% Efficiency. , 2020, , .		6
155	InP nanowire p-type doping via Zinc indiffusion. Journal of Crystal Growth, 2016, 451, 18-26.	0.7	5
156	Implementing an Insect Brain Computational Circuit Using IIIâ€“V Nanowire Components in a Single Shared Waveguide Optical Network. ACS Photonics, 2020, 7, 2787-2798.	3.2	5
157	Imaging the influence of oxides on the electrostatic potential of photovoltaic InP nanowires. Nano Research, 2021, 14, 4087-4092.	5.8	5
158	Optical Anisotropy of Semiconductor Nanowires. , 2008, , 127-145.		5
159	Electron Image Series Reconstruction of Twin Interfaces in InP Superlattice Nanowires. Microscopy and Microanalysis, 2011, 17, 752-758.	0.2	4
160	Solidâ€“liquidâ€“vapor metal-catalyzed etching of lateral and vertical nanopores. Nanotechnology, 2013, 24, 415303.	1.3	4
161	InN quantum dots on GaN nanowires grown by MOVPE. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 421-424.	0.8	4
162	Three-Dimensional Imaging of Beam-Induced Biasing of InP/GaInP Tunnel Diodes. Nano Letters, 2019, 19, 3490-3497.	4.5	4

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163	Development and characterization of photovoltaic tandem-junction nanowires using electron-beam-induced current measurements. Nano Research, 2022, 15, 8510-8515.	5.8	4
164	Photoluminescence study of Zn-doped wurtzite InP core-shell nanowires. Applied Physics Letters, 2013, 102, 032105.	1.5	3
165	Comparison of Triethylgallium and Trimethylgallium Precursors for GaInP Nanowire Growth. Physica Status Solidi (B): Basic Research, 2021, 258, 2000400.	0.7	3
166	In situ passivation of Ga_xIn_(1â^'x)P nanowires using radial Al_yIn_(1â^'y)P shells grown by MOVPE. Nanotechnology, 2021, 32, 425705.	1.3	3
167	Photovoltaics with piezoelectric core-shell nanowires. AIP Conference Proceedings, 2011, , .	0.3	2
168	Temperature and frequency characterization of InAs nanowire and HfO2 interface using capacitanceâ€“voltage method. Microelectronic Engineering, 2011, 88, 444-447.	1.1	2
169	Evaluation of Doping in GaP Core-Shell Nanowire pn Junction by Off-Axis Electron Holography. Microscopy and Microanalysis, 2014, 20, 288-289.	0.2	2
170	UV exposure: a novel processing method to fabricate nanowire solar cells. , 2019, , .		2
171	Ultrafast Optical Generation of Coherent Bright and Dark Surface Phonon Polaritons in Nanowires. ACS Photonics, 2020, 7, 1923-1931.	3.2	2
172	Photovoltaic nanowires affect human lung cell proliferation under illumination conditions. Nanoscale, 2020, 12, 14237-14244.	2.8	2
173	Probing strain in wurtzite InP-InAs core-shell nanowires with Raman spectroscopy. Physical Review B, 2021, 104, .	1.1	2
174	Enhancement of the electroabsorption in multiple quantum well structures containing a nipi delta-doping superlattice. Applied Physics Letters, 2005, 86, 023501.	1.5	1
175	Epitaxial III-V Nanowires on Silicon for Vertical Devices. ECS Transactions, 2006, 3, 415-423.	0.3	1
176	Towards vertical III-V nanowire devices on silicon. Device Research Conference, IEEE Annual, 2007, , .	0.0	1
177	Transparently wrap-gated semiconductor nanowire arrays for studies of gate-controlled photoluminescence. , 2013, , .		1
178	Photon upconversion in degenerately sulfur doped InP nanowires. Nanoscale, 2015, 7, 20503-20509.	2.8	1
179	Growth and optimization of GaInP/InP nanowire tunnel diode. , 2017, , .		1
180	Nanoprobe-Enabled Electron Beam Induced Current Measurements on III-V Nanowire-Based Solar Cells. , 2019, , .		1

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181	Design study of a nanowire three-terminal heterojunction bipolar transistor solar cell. , 2021, , .		1
182	The effect of GaP in Al-free, GaAs-based resonant tunnelling diodes. , 0, , .		0
183	Site control of InAs quantum dots on a patterned InP surface: As/P exchange reactions. Journal of Crystal Growth, 2003, 248, 310-316.	0.7	0
184	Towards vertical III-V nanowire devices. , 2007, , .		0
185	Determination of the wurtzite content and orientation distribution of nanowire ensembles. Materials Research Society Symposia Proceedings, 2009, 1206, 113901.	0.1	0
186	Periodic nanowire structures. , 2010, , .		0
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