

Magnus Borgstrm

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178
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85
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197
ext. papers

8,630
ext. citations

7.2
avg, IF

5.77
L-index

#	Paper	IF	Citations
178	InP nanowire array solar cells achieving 13.8% efficiency by exceeding the ray optics limit. <i>Science</i> , 2013 , 339, 1057-60	33.3	962
177	Twinning superlattices in indium phosphide nanowires. <i>Nature</i> , 2008 , 456, 369-72	50.4	566
176	Nanowire Arrays Defined by Nanoimprint Lithography. <i>Nano Letters</i> , 2004 , 4, 699-702	11.5	346
175	Single quantum dot nanowire LEDs. <i>Nano Letters</i> , 2007 , 7, 367-71	11.5	310
174	Preferential Interface Nucleation: An Expansion of the VLS Growth Mechanism for Nanowires. <i>Advanced Materials</i> , 2009 , 21, 153-165	24	272
173	Growth of one-dimensional nanostructures in MOVPE. <i>Journal of Crystal Growth</i> , 2004 , 272, 211-220	1.6	255
172	Optically bright quantum dots in single Nanowires. <i>Nano Letters</i> , 2005 , 5, 1439-43	11.5	241
171	Synergetic nanowire growth. <i>Nature Nanotechnology</i> , 2007 , 2, 541-4	28.7	203
170	Fabrication of individually seeded nanowire arrays by vapour-liquid-solid growth. <i>Nanotechnology</i> , 2003 , 14, 1255-1258	3.4	177
169	Growth kinetics of heterostructured GaP-GaAs nanowires. <i>Journal of the American Chemical Society</i> , 2006 , 128, 1353-9	16.4	171
168	Defect-free InP nanowires grown in [001] direction on InP (001). <i>Applied Physics Letters</i> , 2004 , 85, 2077-2079	3.4	159
167	Semiconductor nanowires for 0D and 1D physics and applications. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004 , 25, 313-318	3	143
166	Doping of semiconductor nanowires. <i>Journal of Materials Research</i> , 2011 , 26, 2142-2156	2.5	126
165	In situ etching for total control over axial and radial nanowire growth. <i>Nano Research</i> , 2010 , 3, 264-270	10	119
164	Towards high efficiency nanowire solar cells. <i>Nano Today</i> , 2017 , 12, 31-45	17.9	112
163	Nanowires With Promise for Photovoltaics. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2011 , 17, 1050-1061	3.8	108
162	Axial InP nanowire tandem junction grown on a silicon substrate. <i>Nano Letters</i> , 2011 , 11, 2028-31	11.5	104

161	Size- and shape-controlled GaAs nano-whiskers grown by MOVPE: a growth study. <i>Journal of Crystal Growth</i> , 2004 , 260, 18-22	1.6	104
160	Electron trapping in InP nanowire FETs with stacking faults. <i>Nano Letters</i> , 2012 , 12, 151-5	11.5	90
159	Precursor evaluation for in situ InP nanowire doping. <i>Nanotechnology</i> , 2008 , 19, 445602	3.4	88
158	Epitaxial Growth of III-V Nanowires on Group IV Substrates. <i>MRS Bulletin</i> , 2007 , 32, 117-122	3.2	87
157	The electrical and structural properties of n-type InAs nanowires grown from metal-organic precursors. <i>Nanotechnology</i> , 2010 , 21, 205703	3.4	83
156	Probing strain in bent semiconductor nanowires with Raman spectroscopy. <i>Nano Letters</i> , 2010 , 10, 1280-1285	11.5	79
155	Three-dimensional morphology of GaP-GaAs nanowires revealed by transmission electron microscopy tomography. <i>Nano Letters</i> , 2007 , 7, 3051-5	11.5	79
154	Changes in contact angle of seed particle correlated with increased zincblende formation in doped InP nanowires. <i>Nano Letters</i> , 2010 , 10, 4807-12	11.5	77
153	Tunnel field-effect transistors based on InP-GaAs heterostructure nanowires. <i>ACS Nano</i> , 2012 , 6, 3109-3116	11.5	76
152	Direct imaging of the atomic structure inside a nanowire by scanning tunnelling microscopy. <i>Nature Materials</i> , 2004 , 3, 519-23	27	75
151	High-performance single nanowire tunnel diodes. <i>Nano Letters</i> , 2010 , 10, 974-9	11.5	73
150	Diameter-dependent conductance of InAs nanowires. <i>Journal of Applied Physics</i> , 2009 , 106, 124303	2.5	72
149	Remote p-doping of InAs nanowires. <i>Nano Letters</i> , 2007 , 7, 1144-8	11.5	70
148	Absorption of light in InP nanowire arrays. <i>Nano Research</i> , 2014 , 7, 816-823	10	68
147	Probing the wurtzite conduction band structure using state filling in highly doped InP nanowires. <i>Nano Letters</i> , 2011 , 11, 2286-90	11.5	62
146	Giant optical birefringence in ensembles of semiconductor nanowires. <i>Applied Physics Letters</i> , 2006 , 89, 233117	3.4	60
145	Interface study on heterostructured GaP-GaAs nanowires. <i>Nanotechnology</i> , 2006 , 17, 4010-3	3.4	56
144	High-Performance InAs Nanowire MOSFETs. <i>IEEE Electron Device Letters</i> , 2012 , 33, 791-793	4.4	53

143	Understanding InP Nanowire Array Solar Cell Performance by Nanoprobe-Enabled Single Nanowire Measurements. <i>Nano Letters</i> , 2018 , 18, 3038-3046	11.5	52
142	Epitaxial Growth of Aligned Semiconductor Nanowire Metamaterials for Photonic Applications. <i>Advanced Functional Materials</i> , 2008 , 18, 1039-1046	15.6	52
141	A comparative study of absorption in vertically and laterally oriented InP core-shell nanowire photovoltaic devices. <i>Nano Letters</i> , 2015 , 15, 1809-14	11.5	49
140	Arrays of Ge islands on Si(001) grown by means of electron-beam pre-patterning. <i>Nanotechnology</i> , 2003 , 14, 264-267	3.4	48
139	Unit cell parameters of wurtzite InP nanowires determined by x-ray diffraction. <i>Nanotechnology</i> , 2011 , 22, 425704	3.4	45
138	Strategies to obtain pattern fidelity in nanowire growth from large-area surfaces patterned using nanoimprint lithography. <i>Nano Research</i> , 2016 , 9, 2852-2861	10	45
137	In situ characterization of nanowire dimensions and growth dynamics by optical reflectance. <i>Nano Letters</i> , 2015 , 15, 3597-602	11.5	44
136	A new route toward semiconductor nanospintronics: highly Mn-doped GaAs nanowires realized by ion-implantation under dynamic annealing conditions. <i>Nano Letters</i> , 2011 , 11, 3935-40	11.5	43
135	Particle-assisted Ga(x)In(1-x)P nanowire growth for designed bandgap structures. <i>Nanotechnology</i> , 2012 , 23, 245601	3.4	41
134	Doping Incorporation in InAs nanowires characterized by capacitance measurements. <i>Journal of Applied Physics</i> , 2010 , 108, 054306	2.5	39
133	Fluorescent nanowire heterostructures as a versatile tool for biology applications. <i>Nano Letters</i> , 2013 , 13, 4728-32	11.5	38
132	Valence band splitting in wurtzite InP nanowires observed by photoluminescence and photoluminescence excitation spectroscopy. <i>Nano Research</i> , 2011 , 4, 159-163	10	38
131	Zinc incorporation via the vapor-liquid-solid mechanism into InP nanowires. <i>Journal of the American Chemical Society</i> , 2009 , 131, 4578-9	16.4	38
130	Towards Nanowire Tandem Junction Solar Cells on Silicon. <i>IEEE Journal of Photovoltaics</i> , 2018 , 8, 733-740.7	9.7	37
129	High peak-to-valley ratios observed in InAs/InP resonant tunneling quantum dot stacks. <i>Applied Physics Letters</i> , 2001 , 78, 3232-3234	3.4	36
128	Study of photocurrent generation in InP nanowire-based p+-i-n+ photodetectors. <i>Nano Research</i> , 2014 , 7, 544-552	10	35
127	Surface chemistry, structure, and electronic properties from microns to the atomic scale of axially doped semiconductor nanowires. <i>ACS Nano</i> , 2012 , 6, 9679-89	16.7	35
126	Bending and Twisting Lattice Tilt in Strained Core-Shell Nanowires Revealed by Nanofocused X-ray Diffraction. <i>Nano Letters</i> , 2017 , 17, 4143-4150	11.5	34

125	Study of carrier concentration in single InP nanowires by luminescence and Hall measurements. <i>Nanotechnology</i> , 2015 , 26, 045705	3-4	34
124	Cellular traction forces: a useful parameter in cancer research. <i>Nanoscale</i> , 2017 , 9, 19039-19044	7-7	34
123	Radial Nanowire Light-Emitting Diodes in the (Al _x Ga _{1-x})In _{1-y} P Material System. <i>Nano Letters</i> , 2016 , 16, 656-62	11.5	31
122	Au-seeded growth of vertical and in-plane III-V nanowires on graphite substrates. <i>Nano Letters</i> , 2014 , 14, 1707-13	11.5	31
121	Comparing Hall Effect and Field Effect Measurements on the Same Single Nanowire. <i>Nano Letters</i> , 2016 , 16, 205-11	11.5	31
120	Growth and characterization of wurtzite GaP nanowires with control over axial and radial growth by use of HCl in-situ etching. <i>Journal of Crystal Growth</i> , 2014 , 386, 47-51	1.6	30
119	Electrical and optical properties of InP nanowire ensemble p+-i-n+ photodetectors. <i>Nanotechnology</i> , 2012 , 23, 135201	3-4	30
118	Orientation-dependent optical-polarization properties of single quantum dots in nanowires. <i>Small</i> , 2009 , 5, 2134-8	11	30
117	InAs quantum dots and quantum wells grown on stacking-fault controlled InP nanowires with wurtzite crystal structure. <i>Applied Physics Letters</i> , 2011 , 99, 131915	3-4	29
116	Tunable few-electron quantum dots in InAs nanowires. <i>Nanotechnology</i> , 2007 , 18, 044014	3-4	29
115	Room-temperature InP/InAsP Quantum Discs-in-Nanowire Infrared Photodetectors. <i>Nano Letters</i> , 2017 , 17, 3356-3362	11.5	28
114	Synthesis of doped InP core-shell nanowires evaluated using hall effect measurements. <i>Nano Letters</i> , 2014 , 14, 749-53	11.5	28
113	Structural Properties of wurtzite InP-InGaAs nanowire core-shell heterostructures. <i>Nano Letters</i> , 2015 , 15, 2462-7	11.5	27
112	Intersubband Quantum Disc-in-Nanowire Photodetectors with Normal-Incidence Response in the Long-Wavelength Infrared. <i>Nano Letters</i> , 2018 , 18, 365-372	11.5	27
111	Growth of doped InAs _y P _{1-y} nanowires with InP shells. <i>Journal of Crystal Growth</i> , 2011 , 331, 8-14	1.6	27
110	Degenerate p-doping of InP nanowires for large area tunnel diodes. <i>Applied Physics Letters</i> , 2011 , 99, 253105	3-4	27
109	InGaP Nanowire Growth Dynamics Strongly Affected by Doping Using Diethylzinc. <i>Nano Letters</i> , 2017 , 17, 702-707	11.5	25
108	Designed emitter states in resonant tunneling through quantum dots. <i>Applied Physics Letters</i> , 2002 , 80, 2681-2683	3-4	25

107	Bragg coherent x-ray diffractive imaging of a single indium phosphide nanowire. <i>Journal of Optics (United Kingdom)</i> , 2016 , 18, 064007	1.7	25
106	Growth and optical properties of In _x Ga _{1-x} P nanowires synthesized by selective-area epitaxy. <i>Nano Research</i> , 2017 , 10, 672-682	10	24
105	Carrier Recombination Dynamics in Sulfur-Doped InP Nanowires. <i>Nano Letters</i> , 2015 , 15, 7238-44	11.5	24
104	Absorption and transmission of light in III-V nanowire arrays for tandem solar cell applications. <i>Nanotechnology</i> , 2017 , 28, 205203	3.4	23
103	Translocation of 40 nm diameter nanowires through the intestinal epithelium of <i>Daphnia magna</i> . <i>Nanotoxicology</i> , 2016 , 10, 1160-7	5.3	22
102	InP/GaInP nanowire tunnel diodes. <i>Nano Research</i> , 2018 , 11, 2523-2531	10	22
101	III-V nanowire synthesis by use of electrodeposited gold particles. <i>Nano Letters</i> , 2015 , 15, 134-8	11.5	21
100	Bulk-like transverse electron mobility in an array of heavily n-doped InP nanowires probed by terahertz spectroscopy. <i>Physical Review B</i> , 2014 , 90,	3.3	21
99	Transport through an isolated artificial molecule formed from stacked self-assembled quantum dots. <i>Applied Physics Letters</i> , 2003 , 82, 2655-2657	3.4	21
98	Doping GaP Core-Shell Nanowire pn-Junctions: A Study by Off-Axis Electron Holography. <i>Small</i> , 2015 , 11, 2687-95	11	20
97	FIB plan and side view cross-sectional TEM sample preparation of nanostructures. <i>Microscopy and Microanalysis</i> , 2014 , 20, 133-40	0.5	20
96	Fabrication of Semiconductor Nanowires for Electronic Transport Measurements. <i>Chimia</i> , 2006 , 60, 729-734	13.4	20
95	InP/InAsP Nanowire-Based Spatially Separate Absorption and Multiplication Avalanche Photodetectors. <i>ACS Photonics</i> , 2017 , 4, 2693-2698	6.3	18
94	Semiconductor nanostructures enabled by aerosol technology. <i>Frontiers of Physics</i> , 2014 , 9, 398-418	3.7	18
93	InAs quantum dots grown on InAlGaAs lattice matched to InP. <i>Journal of Crystal Growth</i> , 2003 , 252, 481-485	4.5	18
92	Electron beam pre patterning for site control of self-assembled quantum dots. <i>Applied Physics Letters</i> , 2001 , 78, 1367-1369	3.4	18
91	Ground State Depletion Nanoscopy Resolves Semiconductor Nanowire Barcode Segments at Room Temperature. <i>Nano Letters</i> , 2017 , 17, 2652-2659	11.5	17
90	Radiation Tolerant Nanowire Array Solar Cells. <i>ACS Nano</i> , 2019 , 13, 12860-12869	16.7	17

89	Growth parameter design for homogeneous material composition in ternary Ga(x)In(1-x)P nanowires. <i>Nanotechnology</i> , 2015 , 26, 435601	3.4	17
88	Current-voltage characterization of individual as-grown nanowires using a scanning tunneling microscope. <i>Nano Letters</i> , 2013 , 13, 5182-9	11.5	16
87	Gate-induced fermi level tuning in InP nanowires at efficiency close to the thermal limit. <i>Nano Letters</i> , 2011 , 11, 1127-30	11.5	16
86	Structural investigation of GaInP nanowires using X-ray diffraction. <i>Thin Solid Films</i> , 2013 , 543, 100-105	2.2	15
85	Doping profile of InP nanowires directly imaged by photoemission electron microscopy. <i>Applied Physics Letters</i> , 2011 , 99, 233113	3.4	15
84	Optical investigation of InAs/InP quantum dots at different temperatures and under electric field. <i>Thin Solid Films</i> , 2000 , 364, 161-164	2.2	15
83	Carrier Recombination Processes in Gallium Indium Phosphide Nanowires. <i>Nano Letters</i> , 2017 , 17, 4248-4254	11.5	14
82	Nanobeam X-ray Fluorescence Dopant Mapping Reveals Dynamics of in Situ Zn-Doping in Nanowires. <i>Nano Letters</i> , 2018 , 18, 6461-6468	11.5	14
81	Optimization of Current Injection in AlGaInP Core-Shell Nanowire Light-Emitting Diodes. <i>Nano Letters</i> , 2017 , 17, 3599-3606	11.5	13
80	Optical far-field method with subwavelength accuracy for the determination of nanostructure dimensions in large-area samples. <i>Nano Letters</i> , 2013 , 13, 2662-7	11.5	13
79	Time-resolved photoluminescence investigations on HfO ₂ -capped InP nanowires. <i>Nanotechnology</i> , 2010 , 21, 105711	3.4	13
78	MOVPE overgrowth of metallic features for realisation of 3D metal-semiconductor quantum devices. <i>Journal of Crystal Growth</i> , 2000 , 221, 704-712	1.6	13
77	Doping evaluation of InP nanowires for tandem junction solar cells. <i>Nanotechnology</i> , 2016 , 27, 065706	3.4	13
76	Photoluminescence study of as-grown vertically standing wurtzite InP nanowire ensembles. <i>Nanotechnology</i> , 2013 , 24, 115706	3.4	12
75	Integration, gap formation, and sharpening of III-V heterostructure nanowires by selective etching. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010 , 28, 21-26	1.3	12
74	Bias-controlled friction of InAs nanowires on a silicon nitride layer studied by atomic force microscopy. <i>Physical Review B</i> , 2010 , 82,	3.3	12
73	Single GaInP nanowire p-i-n junctions near the direct to indirect bandgap crossover point. <i>Applied Physics Letters</i> , 2012 , 100, 251103	3.4	12
72	Measurements of Strain and Bandgap of Coherently Epitaxially Grown Wurtzite InAsP-InP Core-Shell Nanowires. <i>Nano Letters</i> , 2019 , 19, 2674-2681	11.5	11

71	Simultaneous Growth of Pure Wurtzite and Zinc Blende Nanowires. <i>Nano Letters</i> , 2019 , 19, 2723-2730	11.5	11
70	Reflection measurements to reveal the absorption in nanowire arrays. <i>Optics Letters</i> , 2013 , 38, 1449-51	3	11
69	Optical characterization of InAs quantum wells and dots grown radially on wurtzite InP nanowires. <i>Nanotechnology</i> , 2013 , 24, 225203	3.4	11
68	Dynamics of extremely anisotropic etching of InP nanowires by HCl. <i>Chemical Physics Letters</i> , 2011 , 502, 222-224	2.5	11
67	Nanowire Solar Cells: A New Radiation Hard PV Technology for Space Applications. <i>IEEE Journal of Photovoltaics</i> , 2020 , 10, 502-507	3.7	10
66	Effect of hydrogen chloride etching on carrier recombination processes of indium phosphide nanowires. <i>Nanoscale</i> , 2019 , 11, 18550-18558	7.7	10
65	Bias-dependent spectral tuning in InP nanowire-based photodetectors. <i>Nanotechnology</i> , 2017 , 28, 114006	5.4	9
64	Self-assembled InN quantum dots on side facets of GaN nanowires. <i>Journal of Applied Physics</i> , 2018 , 123, 164302	2.5	9
63	Nanoscale mapping of carrier collection in single nanowire solar cells using X-ray beam induced current. <i>Journal of Synchrotron Radiation</i> , 2019 , 26, 102-108	2.4	9
62	High Responsivity of InP/InAsP Nanowire Array Broadband Photodetectors Enhanced by Optical Gating. <i>Nano Letters</i> , 2019 , 19, 8424-8430	11.5	9
61	Unravelling processing issues of nanowire-based solar cell arrays by use of electron beam induced current measurements. <i>Nano Energy</i> , 2020 , 71, 104575	17.1	8
60	Growth kinetics of Ga InP nanowires using triethylgallium as Ga precursor. <i>Nanotechnology</i> , 2018 , 29, 394001	3.4	8
59	Combining Nanofocused X-Rays with Electrical Measurements at the NanoMAX Beamline. <i>Crystals</i> , 2019 , 9, 432	2.3	8
58	In situ etching for control over axial and radial III-V nanowire growth rates using HBr. <i>Nanotechnology</i> , 2014 , 25, 505601	3.4	8
57	Tunable double quantum dots in InAs nanowires. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008 , 40, 1202-1204	3	8
56	Operando Surface Characterization of InP Nanowire p-n Junctions. <i>Nano Letters</i> , 2020 , 20, 887-895	11.5	8
55	Light current-voltage measurements of single, as-grown, nanowire solar cells standing vertically on a substrate. <i>Nano Energy</i> , 2020 , 78, 105191	17.1	8
54	Culturing and patch clamping of Jurkat T cells and neurons on AlO coated nanowire arrays of altered morphology.. <i>RSC Advances</i> , 2019 , 9, 11194-11201	3.7	7

53	Coulomb blockade from the shell of an InP-InAs core-shell nanowire with a triangular cross section. <i>Applied Physics Letters</i> , 2019 , 114, 053108	3-4	7
52	Revealing misfit dislocations in InAs P -InP core-shell nanowires by x-ray diffraction. <i>Nanotechnology</i> , 2019 , 30, 505703	3-4	7
51	Semiconductor-oxide heterostructured nanowires using postgrowth oxidation. <i>Nano Letters</i> , 2013 , 13, 5961-6	11.5	7
50	Local and anisotropic excitation of surface plasmon polaritons by semiconductor nanowires. <i>Optics Express</i> , 2008 , 16, 5013-21	3-3	7
49	Epitaxial Growth of III-V Nanowires on Group IV Substrates. <i>Materials Research Society Symposia Proceedings</i> , 2008 , 1068, 1		7
48	Modification of the photoluminescence anisotropy of semiconductor nanowires by coupling to surface plasmon polaritons. <i>Optics Letters</i> , 2007 , 32, 2097-9	3	7
47	Self-Limiting Polymer Exposure for Vertical Processing of Semiconductor Nanowire-Based Flexible Electronics. <i>ACS Applied Nano Materials</i> , 2020 , 3, 7743-7749	5.6	7
46	Spectrally resolved x-ray beam induced current in a single InGaP nanowire. <i>Nanotechnology</i> , 2018 , 29, 454001	3-4	7
45	Radial tunnel diodes based on InP/InGaAs core-shell nanowires. <i>Applied Physics Letters</i> , 2017 , 110, 113503	3.4	6
44	Direct Three-Dimensional Imaging of an X-ray Nanofocus Using a Single 60 nm Diameter Nanowire Device. <i>Nano Letters</i> , 2020 , 20, 8326-8331	11.5	6
43	Fabrication and characterization of AlP-GaP core-shell nanowires. <i>Journal of Crystal Growth</i> , 2011 , 324, 290-295	1.6	6
42	Electron beam pre-patterning for site-control of self-assembled InAs quantum dots on Inp surfaces. <i>Journal of Electronic Materials</i> , 2001 , 30, 482-486	1.9	6
41	Confinement effects on Brillouin scattering in semiconductor nanowire photonic crystal. <i>Physical Review B</i> , 2016 , 94,	3-3	6
40	Growth of wurtzite Al Ga P nanowire shells and characterization by Raman spectroscopy. <i>Nanotechnology</i> , 2017 , 28, 035706	3-4	5
39	Defect-induced infrared electroluminescence from radial GaInP/AlGaInP quantum well nanowire array light- emitting diodes. <i>Nanotechnology</i> , 2017 , 28, 485205	3-4	5
38	High resolution strain mapping of a single axially heterostructured nanowire using scanning X-ray diffraction. <i>Nano Research</i> , 2020 , 13, 2460-2468	10	5
37	Embedded sacrificial AlAs segments in GaAs nanowires for substrate reuse. <i>Nanotechnology</i> , 2020 , 31, 204002	3-4	5
36	Large-energy-shift photon upconversion in degenerately doped InP nanowires by direct excitation into the electron gas. <i>Nano Research</i> , 2013 , 6, 752-757	10	5

35	Template-assisted vapour-liquid-solid growth of InP nanowires on (001) InP and Si substrates. <i>Nanoscale</i> , 2020 , 12, 888-894	7.7	5
34	Nanowire photodetectors with embedded quantum heterostructures for infrared detection. <i>Infrared Physics and Technology</i> , 2019 , 96, 209-212	2.7	5
33	Optical Anisotropy of Semiconductor Nanowires 2008 , 127-145		5
32	Hot-carrier separation in heterostructure nanowires observed by electron-beam induced current. <i>Nanotechnology</i> , 2020 , 31, 394004	3.4	4
31	Electrical and optical evaluation of n-type doping in In GaP nanowires. <i>Nanotechnology</i> , 2018 , 29, 255701	3.4	4
30	InN quantum dots on GaN nanowires grown by MOVPE. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2014 , 11, 421-424		4
29	Anti-Stokes photoluminescence probing k-conservation and thermalization of minority carriers in degenerately doped semiconductors. <i>Nature Communications</i> , 2017 , 8, 1634	17.4	4
28	Solid-liquid-vapor metal-catalyzed etching of lateral and vertical nanopores. <i>Nanotechnology</i> , 2013 , 24, 415303	3.4	4
27	Electron image series reconstruction of twin interfaces in InP superlattice nanowires. <i>Microscopy and Microanalysis</i> , 2011 , 17, 752-8	0.5	4
26	Three-Dimensional Imaging of Beam-Induced Biasing of InP/GaInP Tunnel Diodes. <i>Nano Letters</i> , 2019 , 19, 3490-3497	11.5	3
25	InP nanowire p-type doping via Zinc indiffusion. <i>Journal of Crystal Growth</i> , 2016 , 451, 18-26	1.6	3
24	Time-resolved photoluminescence characterization of GaAs nanowire arrays on native substrate. <i>Nanotechnology</i> , 2017 , 28, 505706	3.4	3
23	Development and Characterization of a bottom-up InP Nanowire Solar Cell with 16.7% Efficiency 2020 ,		3
22	Semiconductor nanowire array for transparent photovoltaic applications. <i>Applied Physics Letters</i> , 2021 , 118, 191107	3.4	3
21	Realization of axially defined GaInP/InP/InAsP triple-junction photovoltaic nanowires for high performance solar cells. <i>Materials Today Energy</i> , 2022 , 101050	7	3
20	Evaluation of Doping in GaP Core-Shell Nanowire pn Junction by Off-Axis Electron Holography. <i>Microscopy and Microanalysis</i> , 2014 , 20, 288-289	0.5	2
19	Temperature and frequency characterization of InAs nanowire and HfO ₂ interface using capacitance-voltage method. <i>Microelectronic Engineering</i> , 2011 , 88, 444-447	2.5	2
18	Photovoltaic nanowires affect human lung cell proliferation under illumination conditions. <i>Nanoscale</i> , 2020 , 12, 14237-14244	7.7	2

17	Gain and bandwidth of InP nanowire array photodetectors with embedded photogated InAsP quantum discs. <i>Nanoscale</i> , 2021 , 13, 6227-6233	7.7	2
16	Wafer-Scale Synthesis and Optical Characterization of InP Nanowire Arrays for Solar Cells. <i>Nano Letters</i> , 2021 , 21, 7347-7353	11.5	2
15	Photon upconversion in degenerately sulfur doped InP nanowires. <i>Nanoscale</i> , 2015 , 7, 20503-9	7.7	1
14	Photoluminescence study of Zn-doped wurtzite InP core-shell nanowires. <i>Applied Physics Letters</i> , 2013 , 102, 032105	3.4	1
13	Growth and optimization of GaInP/InP nanowire tunnel diode 2017 ,		1
12	Transparently wrap-gated semiconductor nanowire arrays for studies of gate-controlled photoluminescence 2013 ,		1
11	A luminescence study of doping effects in InP-based radial nanowire structures. <i>Journal of Physics: Conference Series</i> , 2013 , 471, 012040	0.3	1
10	Epitaxial III-V Nanowires on Silicon for Vertical Devices. <i>ECS Transactions</i> , 2006 , 3, 415-423	1	1
9	Enhancement of the electroabsorption in multiple quantum well structures containing a nipi delta-doping superlattice. <i>Applied Physics Letters</i> , 2005 , 86, 023501	3.4	1
8	UV exposure: a novel processing method to fabricate nanowire solar cells 2019 ,		1
7	Comparison of Triethylgallium and Trimethylgallium Precursors for GaInP Nanowire Growth. <i>Physica Status Solidi (B): Basic Research</i> , 2021 , 258, 2000400	1.3	1
6	Imaging the influence of oxides on the electrostatic potential of photovoltaic InP nanowires. <i>Nano Research</i> , 2021 , 14, 4087	10	1
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