

# Erik P A M Bakkers

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

189  
papers

15,321  
citations

63  
h-index

121  
g-index

201  
ext. papers

17,630  
ext. citations

12.5  
avg, IF

6.54  
L-index

#	Paper	IF	Citations
189	Electronic Structure and Epitaxy of CdTe Shells on InSb Nanowires.. <i>Advanced Science</i> , <b>2022</b> , e2105722	13.6	2
188	Supercurrent parity meter in a nanowire Cooper pair transistor.. <i>Science Advances</i> , <b>2022</b> , 8, eabm9896	14.3	0
187	Hysteretic magnetoresistance in nanowire devices due to stray fields induced by micromagnets. <i>Nanotechnology</i> , <b>2021</b> , 32, 095001	3.4	2
186	Parity-preserving and magnetic field-resilient superconductivity in InSb nanowires with Sn shells. <i>Science</i> , <b>2021</b> , 372, 508-511	33.3	13
185	Unveiling Planar Defects in Hexagonal Group IV Materials. <i>Nano Letters</i> , <b>2021</b> , 21, 3619-3625	11.5	3
184	Single-Shot Fabrication of Semiconducting/Superconducting Nanowire Devices. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2102388	15.6	1
183	Full parity phase diagram of a proximitized nanowire island. <i>Physical Review B</i> , <b>2021</b> , 104,	3.3	5
182	Universal Platform for Scalable Semiconductor-Superconductor Nanowire Networks. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2103062	15.6	1
181	Prismatic Ge-rich inclusions in the hexagonal SiGe shell of GaP-Si-SiGe nanowires by controlled faceting. <i>Nanoscale</i> , <b>2021</b> , 13, 9436-9445	7.7	
180	Strong spin-orbit interaction and g-factor renormalization of hole spins in Ge/Si nanowire quantum dots. <i>Physical Review Research</i> , <b>2021</b> , 3,	3.9	8
179	Ultrafast hole spin qubit with gate-tunable spin-orbit switch functionality. <i>Nature Nanotechnology</i> , <b>2021</b> , 16, 308-312	28.7	25
178	Non-Majorana states yield nearly quantized conductance in proximatized nanowires. <i>Nature Physics</i> , <b>2021</b> , 17, 482-488	16.2	35
177	Shadow-wall lithography of ballistic superconductor-semiconductor quantum devices. <i>Nature Communications</i> , <b>2021</b> , 12, 4914	17.4	8
176	Probing Lattice Dynamics and Electronic Resonances in Hexagonal Ge and SiGe Alloys in Nanowires by Raman Spectroscopy. <i>ACS Nano</i> , <b>2020</b> , 14, 6845-6856	16.7	11
175	Erasing odd-parity states in semiconductor quantum dots coupled to superconductors. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	6
174	Ballistic Phonons in Ultrathin Nanowires. <i>Nano Letters</i> , <b>2020</b> , 20, 2703-2709	11.5	17
173	Kinetic Control of Morphology and Composition in Ge/GeSn Core/Shell Nanowires. <i>ACS Nano</i> , <b>2020</b> , 14, 2445-2455	16.7	12

172	Editorial Expression of Concern: Quantized Majorana conductance. <i>Nature</i> , <b>2020</b> , 581, E4	50.4	6
171	Direct-bandgap emission from hexagonal Ge and SiGe alloys. <i>Nature</i> , <b>2020</b> , 580, 205-209	50.4	124
170	In-plane selective area InSb/Al nanowire quantum networks. <i>Communications Physics</i> , <b>2020</b> , 3,	5.4	18
169	Spin Transport in Ferromagnet-InSb Nanowire Quantum Devices. <i>Nano Letters</i> , <b>2020</b> , 20, 3232-3239	11.5	12
168	Hard Superconducting Gap and Diffusion-Induced Superconductors in Ge-Si Nanowires. <i>Nano Letters</i> , <b>2020</b> , 20, 122-130	11.5	10
167	Exfoliated hexagonal BN as gate dielectric for InSb nanowire quantum dots with improved gate hysteresis and charge noise. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 253101	3.4	2
166	Transmission phase read-out of a large quantum dot in a nanowire interferometer. <i>Nature Communications</i> , <b>2020</b> , 11, 3666	17.4	2
165	Measuring the Optical Absorption of Single Nanowires. <i>Physical Review Applied</i> , <b>2020</b> , 14,	4.3	13
164	Ubiquitous Non-Majorana Zero-Bias Conductance Peaks in Nanowire Devices. <i>Physical Review Letters</i> , <b>2019</b> , 123, 107703	7.4	42
163	Strain engineering in Ge/GeSn core/shell nanowires. <i>Applied Physics Letters</i> , <b>2019</b> , 115, 113102	3.4	14
162	Phonon Engineering in Twinning Superlattice Nanowires. <i>Nano Letters</i> , <b>2019</b> , 19, 4702-4711	11.5	19
161	Spin-Orbit Protection of Induced Superconductivity in Majorana Nanowires. <i>Physical Review Letters</i> , <b>2019</b> , 122, 187702	7.4	30
160	High Mobility Stemless InSb Nanowires. <i>Nano Letters</i> , <b>2019</b> , 19, 3575-3582	11.5	18
159	Bottom-up grown nanowire quantum devices. <i>MRS Bulletin</i> , <b>2019</b> , 44, 403-410	3.2	2
158	Tapered InP nanowire arrays for efficient broadband high-speed single-photon detection. <i>Nature Nanotechnology</i> , <b>2019</b> , 14, 473-479	28.7	52
157	Hexagonal silicon grown from higher order silanes. <i>Nanotechnology</i> , <b>2019</b> , 30, 295602	3.4	6
156	Exploring the Internal Radiative Efficiency of Selective Area Nanowires. <i>Journal of Nanomaterials</i> , <b>2019</b> , 2019, 1-13	3.2	
155	Engineering tunnel junctions on ballistic semiconductor nanowires. <i>Applied Physics Letters</i> , <b>2019</b> , 115, 043503	3.4	1

154	Selective-area chemical beam epitaxy of in-plane InAs one-dimensional channels grown on InP(001), InP(111)B, and InP(011) surfaces. <i>Physical Review Materials</i> , <b>2019</b> , 3,	3.2	26
153	Multiple Andreev reflections and Shapiro steps in a Ge-Si nanowire Josephson junction. <i>Physical Review Materials</i> , <b>2019</b> , 3,	3.2	12
152	Crossed Andreev reflection in InSb flake Josephson junctions. <i>Physical Review Research</i> , <b>2019</b> , 1,	3.9	9
151	Bottom-Up Grown 2D InSb Nanostructures. <i>Advanced Materials</i> , <b>2019</b> , 31, e1808181	24	16
150	Split-Channel Ballistic Transport in an InSb Nanowire. <i>Nano Letters</i> , <b>2018</b> , 18, 2282-2287	11.5	15
149	Ballistic Majorana nanowire devices. <i>Nature Nanotechnology</i> , <b>2018</b> , 13, 192-197	28.7	185
148	Efficient Green Emission from Wurtzite Al InP Nanowires. <i>Nano Letters</i> , <b>2018</b> , 18, 3543-3549	11.5	14
147	Majorana zero modes in superconductor-semiconductor heterostructures. <i>Nature Reviews Materials</i> , <b>2018</b> , 3, 52-68	73.3	435
146	Quantized Majorana conductance. <i>Nature</i> , <b>2018</b> , 556, 74-79	50.4	382
145	Critical strain for Sn incorporation into spontaneously graded Ge/GeSn core/shell nanowires. <i>Nanoscale</i> , <b>2018</b> , 10, 7250-7256	7.7	24
144	Single, double, and triple quantum dots in Ge/Si nanowires. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 073102	3.4	19
143	Charge carrier-selective contacts for nanowire solar cells. <i>Nature Communications</i> , <b>2018</b> , 9, 3248	17.4	22
142	Nanowire Arrays as Force Sensors with Super-Resolved Localization Position Detection: Application to Optical Measurement of Bacterial Adhesion Forces. <i>Small Methods</i> , <b>2018</b> , 2, 1700411	12.8	7
141	Parity transitions in the superconducting ground state of hybrid InSb-Al Coulomb islands. <i>Nature Communications</i> , <b>2018</b> , 9, 4801	17.4	28
140	Electric field tunable superconductor-semiconductor coupling in Majorana nanowires. <i>New Journal of Physics</i> , <b>2018</b> , 20, 103049	2.9	44
139	Spin-Orbit Interaction and Induced Superconductivity in a One-Dimensional Hole Gas. <i>Nano Letters</i> , <b>2018</b> , 18, 6483-6488	11.5	14
138	Mirage Andreev Spectra Generated by Mesoscopic Leads in Nanowire Quantum Dots. <i>Physical Review Letters</i> , <b>2018</b> , 121, 127705	7.4	15
137	Selective-Area Superconductor Epitaxy to Ballistic Semiconductor Nanowires. <i>Nano Letters</i> , <b>2018</b> , 18, 6121-6128	11.5	11

136	Fundamentals of the nanowire solar cell: Optimization of the open circuit voltage. <i>Applied Physics Reviews</i> , <b>2018</b> , 5, 031106	17.3	51
135	Josephson Effect in a Few-Hole Quantum Dot. <i>Advanced Materials</i> , <b>2018</b> , 30, e1802257	24	11
134	Twofold origin of strain-induced bending in core-shell nanowires: the GaP/InGaP case. <i>Nanotechnology</i> , <b>2018</b> , 29, 315703	3.4	9
133	Boosting Hole Mobility in Coherently Strained [110]-Oriented Ge-Si Core-Shell Nanowires. <i>Nano Letters</i> , <b>2017</b> , 17, 2259-2264	11.5	36
132	Growth and Optical Properties of Direct Band Gap Ge/GeSn Core/Shell Nanowire Arrays. <i>Nano Letters</i> , <b>2017</b> , 17, 1538-1544	11.5	59
131	Hard Superconducting Gap in InSb Nanowires. <i>Nano Letters</i> , <b>2017</b> , 17, 2690-2696	11.5	80
130	Atom-by-Atom Analysis of Semiconductor Nanowires with Parts Per Million Sensitivity. <i>Nano Letters</i> , <b>2017</b> , 17, 599-605	11.5	29
129	Single-Crystalline Hexagonal Silicon-Germanium. <i>Nano Letters</i> , <b>2017</b> , 17, 85-90	11.5	45
128	Epitaxy of advanced nanowire quantum devices. <i>Nature</i> , <b>2017</b> , 548, 434-438	50.4	192
127	Josephson radiation and shot noise of a semiconductor nanowire junction. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	3
126	Experimental phase diagram of zero-bias conductance peaks in superconductor/semiconductor nanowire devices. <i>Science Advances</i> , <b>2017</b> , 3, e1701476	14.3	115
125	Effective Surface Passivation of InP Nanowires by Atomic-Layer-Deposited AlO with PO Interlayer. <i>Nano Letters</i> , <b>2017</b> , 17, 6287-6294	11.5	52
124	Crystal Phase Quantum Well Emission with Digital Control. <i>Nano Letters</i> , <b>2017</b> , 17, 6062-6068	11.5	23
123	Andreev molecules in semiconductor nanowire double quantum dots. <i>Nature Communications</i> , <b>2017</b> , 8, 585	17.4	35
122	Conductance through a helical state in an Indium antimonide nanowire. <i>Nature Communications</i> , <b>2017</b> , 8, 478	17.4	50
121	Supercurrent Interference in Few-Mode Nanowire Josephson Junctions. <i>Physical Review Letters</i> , <b>2017</b> , 119, 187704	7.4	28
120	Ballistic superconductivity in semiconductor nanowires. <i>Nature Communications</i> , <b>2017</b> , 8, 16025	17.4	136
119	Optical Emission in Hexagonal SiGe Nanowires. <i>Nano Letters</i> , <b>2017</b> , 17, 4753-4758	11.5	34

118	Observation of Conductance Quantization in InSb Nanowire Networks. <i>Nano Letters</i> , <b>2017</b> , 17, 6511-6515	1.5	27
117	InSb Nanowires with Built-In GaInSb Tunnel Barriers for Majorana Devices. <i>Nano Letters</i> , <b>2017</b> , 17, 721-727	1.5	6
116	Quantifying losses and thermodynamic limits in nanophotonic solar cells. <i>Nature Nanotechnology</i> , <b>2016</b> , 11, 1071-1075	28.7	36
115	Electric-field dependent g-factor anisotropy in Ge-Si core-shell nanowire quantum dots. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	32
114	Influence of growth conditions on the performance of InP nanowire solar cells. <i>Nanotechnology</i> , <b>2016</b> , 27, 454003	3.4	8
113	Highly tuneable hole quantum dots in Ge-Si core-shell nanowires. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 143113	1.3	14
112	Nanowire Arrays as Cell Force Sensors To Investigate Adhesion-Enhanced Holdfast of Single Cell Bacteria and Biofilm Stability. <i>Nano Letters</i> , <b>2016</b> , 16, 4656-64	11.5	52
111	High-Efficiency InP-Based Photocathode for Hydrogen Production by Interface Energetics Design and Photon Management. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 679-686	15.6	61
110	High-Efficiency Nanowire Solar Cells with Omnidirectionally Enhanced Absorption Due to Self-Aligned Indium-Tin-Oxide Mie Scatterers. <i>ACS Nano</i> , <b>2016</b> , 10, 11414-11419	16.7	120
109	Pseudodirect to Direct Compositional Crossover in Wurtzite GaP/InGaP Core-Shell Nanowires. <i>Nano Letters</i> , <b>2016</b> , 16, 7930-7936	11.5	17
108	High refractive index in wurtzite GaP measured from Fabry-Pérot resonances. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 173101	3.4	4
107	Optical study of the band structure of wurtzite GaP nanowires. <i>Journal of Applied Physics</i> , <b>2016</b> , 120, 044304	2.5	28
106	InSb nanowire double quantum dots coupled to a superconducting microwave cavity. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 203502	3.4	18
105	Hybrid superconductor-quantum point contact devices using InSb nanowires. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 233502	3.4	12
104	Revealing the band structure of InSb nanowires by high-field magnetotransport in the quasiballistic regime. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	2
103	Strong diameter-dependence of nanowire emission coupled to waveguide modes. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 121109	3.4	7
102	High-Yield Growth and Characterization of <100> InP p-n Diode Nanowires. <i>Nano Letters</i> , <b>2016</b> , 16, 3071-3075	1.5	11
101	Josephson $\pi$ -junction in nanowire quantum dots. <i>Nature Physics</i> , <b>2016</b> , 12, 568-572	16.2	122

100	Conductance Quantization at Zero Magnetic Field in InSb Nanowires. <i>Nano Letters</i> , <b>2016</b> , 16, 3482-6	11.5	71
99	Optical Properties of Strained Wurtzite Gallium Phosphide Nanowires. <i>Nano Letters</i> , <b>2016</b> , 16, 3703-9	11.5	34
98	Boosting Solar Cell Photovoltage via Nanophotonic Engineering. <i>Nano Letters</i> , <b>2016</b> , 16, 6467-6471	11.5	47
97	Impurity and Defect Monitoring in Hexagonal Si and SiGe Nanocrystals. <i>ECS Transactions</i> , <b>2016</b> , 75, 751-760		5
96	Optical transmission matrix as a probe of the photonic strength. <i>Physical Review A</i> , <b>2016</b> , 94,	2.6	13
95	Anisotropic Pauli spin blockade in hole quantum dots. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	23
94	Hexagonal Silicon Realized. <i>Nano Letters</i> , <b>2015</b> , 15, 5855-60	11.5	118
93	Efficient water reduction with gallium phosphide nanowires. <i>Nature Communications</i> , <b>2015</b> , 6, 7824	17.4	106
92	Cracking the Si Shell Growth in Hexagonal GaP-Si Core-Shell Nanowires. <i>Nano Letters</i> , <b>2015</b> , 15, 2974-9	11.5	20
91	Exploring Crystal Phase Switching in GaP Nanowires. <i>Nano Letters</i> , <b>2015</b> , 15, 8062-9	11.5	47
90	Realization of Microwave Quantum Circuits Using Hybrid Superconducting-Semiconducting Nanowire Josephson Elements. <i>Physical Review Letters</i> , <b>2015</b> , 115, 127002	7.4	120
89	Hybrid III-V/Silicon Nanowires. <i>Semiconductors and Semimetals</i> , <b>2015</b> , 93, 231-248	0.6	0
88	Spin-orbit interaction in InSb nanowires. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	98
87	Directional and Polarized Emission from Nanowire Arrays. <i>Nano Letters</i> , <b>2015</b> , 15, 4557-63	11.5	56
86	Towards high mobility InSb nanowire devices. <i>Nanotechnology</i> , <b>2015</b> , 26, 215202	3.4	68
85	Diameter dependence of the thermal conductivity of InAs nanowires. <i>Nanotechnology</i> , <b>2015</b> , 26, 385401	3.4	34
84	Photoelectrochemical hydrogen production on InP nanowire arrays with molybdenum sulfide electrocatalysts. <i>Nano Letters</i> , <b>2014</b> , 14, 3715-9	11.5	100
83	Rationally designed single-crystalline nanowire networks. <i>Advanced Materials</i> , <b>2014</b> , 26, 4875-9	24	55

82	Nanowire waveguides launching single photons in a Gaussian mode for ideal fiber coupling. <i>Nano Letters</i> , <b>2014</b> , 14, 4102-6	11.5	92
81	Rational Design: Rationally Designed Single-Crystalline Nanowire Networks (Adv. Mater. 28/2014). <i>Advanced Materials</i> , <b>2014</b> , 26, 4908-4908	24	1
80	Reversible switching of InP nanowire growth direction by catalyst engineering. <i>Nano Letters</i> , <b>2013</b> , 13, 3802-6	11.5	95
79	Harnessing nuclear spin polarization fluctuations in a semiconductor nanowire. <i>Nature Physics</i> , <b>2013</b> , 9, 631-635	16.2	22
78	Formation and electronic properties of InSb nanocrosses. <i>Nature Nanotechnology</i> , <b>2013</b> , 8, 859-64	28.7	106
77	Efficiency enhancement of InP nanowire solar cells by surface cleaning. <i>Nano Letters</i> , <b>2013</b> , 13, 4113-7	11.5	119
76	High optical quality single crystal phase wurtzite and zincblende InP nanowires. <i>Nanotechnology</i> , <b>2013</b> , 24, 115705	3.4	50
75	Quantized conductance in an InSb nanowire. <i>Nano Letters</i> , <b>2013</b> , 13, 387-91	11.5	111
74	Electrical control of single hole spins in nanowire quantum dots. <i>Nature Nanotechnology</i> , <b>2013</b> , 8, 170-4	28.7	107
73	Mesoscopic light transport by very strong collective multiple scattering in nanowire mats. <i>Nature Photonics</i> , <b>2013</b> , 7, 413-418	33.9	43
72	Direct band gap wurtzite gallium phosphide nanowires. <i>Nano Letters</i> , <b>2013</b> , 13, 1559-63	11.5	230
71	Unit cell structure of the wurtzite phase of GaP nanowires: X-ray diffraction studies and density functional theory calculations. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	27
70	Quantum computing based on semiconductor nanowires. <i>MRS Bulletin</i> , <b>2013</b> , 38, 809-815	3.2	36
69	Fast spin-orbit qubit in an indium antimonide nanowire. <i>Physical Review Letters</i> , <b>2013</b> , 110, 066806	7.4	123
68	Growth and optical properties of axial hybrid III-V/silicon nanowires. <i>Nature Communications</i> , <b>2012</b> , 3, 1266	17.4	92
67	Bright single-photon sources in bottom-up tailored nanowires. <i>Nature Communications</i> , <b>2012</b> , 3, 737	17.4	317
66	High yield transfer of ordered nanowire arrays into transparent flexible polymer films. <i>Nanotechnology</i> , <b>2012</b> , 23, 495305	3.4	19
65	Position-controlled [100] InP nanowire arrays. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 053107	3.4	37



64	Controlling a nanowire quantum dot band gap using a straining dielectric envelope. <i>Nano Letters</i> , <b>2012</b> , 12, 6206-11	11.5	39
63	From InSb nanowires to nanocubes: looking for the sweet spot. <i>Nano Letters</i> , <b>2012</b> , 12, 1794-8	11.5	102
62	Spontaneous emission control of single quantum dots in bottom-up nanowire waveguides. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 121106	3.4	64
61	Avalanche amplification of a single exciton in a semiconductor nanowire. <i>Nature Photonics</i> , <b>2012</b> , 6, 455-458	3.9	87
60	Signatures of Majorana fermions in hybrid superconductor-semiconductor nanowire devices. <i>Science</i> , <b>2012</b> , 336, 1003-7	33.3	2788
59	Spectroscopy of spin-orbit quantum bits in indium antimonide nanowires. <i>Physical Review Letters</i> , <b>2012</b> , 108, 166801	7.4	222
58	Suppression of Zeeman gradients by nuclear polarization in double quantum dots. <i>Physical Review Letters</i> , <b>2012</b> , 109, 236805	7.4	16
57	The role of surface energies and chemical potential during nanowire growth. <i>Nano Letters</i> , <b>2011</b> , 11, 1259-64	11.5	87
56	Controlling the directional emission of light by periodic arrays of heterostructured semiconductor nanowires. <i>ACS Nano</i> , <b>2011</b> , 5, 5830-7	16.7	21
55	Strong geometrical dependence of the absorption of light in arrays of semiconductor nanowires. <i>ACS Nano</i> , <b>2011</b> , 5, 2316-23	16.7	147
54	Formation of wurtzite InP nanowires explained by liquid-ordering. <i>Nano Letters</i> , <b>2011</b> , 11, 44-8	11.5	21
53	Electric field induced removal of the biexciton binding energy in a single quantum dot. <i>Nano Letters</i> , <b>2011</b> , 11, 645-50	11.5	46
52	Crystal structure transfer in core/shell nanowires. <i>Nano Letters</i> , <b>2011</b> , 11, 1690-4	11.5	82
51	Strong modification of the reflection from birefringent layers of semiconductor nanowires by nanoshells. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 201108	3.4	1
50	Ultrafast dephasing of light in strongly scattering GaP nanowires. <i>Physical Review Letters</i> , <b>2011</b> , 106, 143902	7.4	6
49	Spin-orbit qubit in a semiconductor nanowire. <i>Nature</i> , <b>2010</b> , 468, 1084-7	50.4	509
48	Generic nano-imprint process for fabrication of nanowire arrays. <i>Nanotechnology</i> , <b>2010</b> , 21, 065305	3.4	64
47	Surround-gated vertical nanowire quantum dots. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 233112	3.4	9

46	Disentangling the effects of spin-orbit and hyperfine interactions on spin blockade. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	85
45	Surface passivated InAs/InP core/shell nanowires. <i>Semiconductor Science and Technology</i> , <b>2010</b> , 25, 02401.8		85
44	Paired twins and [112] morphology in GaP nanowires. <i>Nano Letters</i> , <b>2010</b> , 10, 2349-56	11.5	39
43	Single quantum dot nanowire photodetectors. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 113108	3.4	36
42	Single electron charging in optically active nanowire quantum dots. <i>Nano Letters</i> , <b>2010</b> , 10, 1817-22	11.5	44
41	Nanoscale free-carrier profiling of individual semiconductor nanowires by infrared near-field nanoscopy. <i>Nano Letters</i> , <b>2010</b> , 10, 1387-92	11.5	108
40	Diameter-dependent conductance of InAs nanowires. <i>Journal of Applied Physics</i> , <b>2009</b> , 106, 124303	2.5	72
39	Broad-band and Omnidirectional Antireflection Coatings Based on Semiconductor Nanorods. <i>Advanced Materials</i> , <b>2009</b> , 21, 973-978	24	225
38	Orientation-dependent optical-polarization properties of single quantum dots in nanowires. <i>Small</i> , <b>2009</b> , 5, 2134-8	11	30
37	Selective excitation and detection of spin states in a single nanowire quantum dot. <i>Nano Letters</i> , <b>2009</b> , 9, 1989-93	11.5	73
36	Large photonic strength of highly tunable resonant nanowire materials. <i>Nano Letters</i> , <b>2009</b> , 9, 930-4	11.5	125
35	Zinc incorporation via the vapor-liquid-solid mechanism into InP nanowires. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 4578-9	16.4	38
34	Electric field control of magnetoresistance in InP nanowires with ferromagnetic contacts. <i>Nano Letters</i> , <b>2009</b> , 9, 2704-9	11.5	30
33	Twinning superlattices in indium phosphide nanowires. <i>Nature</i> , <b>2008</b> , 456, 369-72	50.4	566
32	Design of light scattering in nanowire materials for photovoltaic applications. <i>Nano Letters</i> , <b>2008</b> , 8, 2638-42	11.5	435
31	Andreev reflection versus Coulomb blockade in hybrid semiconductor nanowire devices. <i>Nano Letters</i> , <b>2008</b> , 8, 4098-102	11.5	44
30	Epitaxial Growth of Aligned Semiconductor Nanowire Metamaterials for Photonic Applications. <i>Advanced Functional Materials</i> , <b>2008</b> , 18, 1039-1046	15.6	52
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