Erik P A M Bakkers

List of Publications by Citations

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	Signatures of Majorana fermions in hybrid superconductor-semiconductor nanowire devices. *Science*, **2012**, 336, 1003-7	33.3	2788
188	Twinning superlattices in indium phosphide nanowires. *Nature*, **2008**, 456, 369-72	50.4	566
187	Spin-orbit qubit in a semiconductor nanowire. *Nature*, **2010**, 468, 1084-7	50.4	509
186	Majorana zero modes in superconductor–semiconductor heterostructures. *Nature Reviews Materials*, **2018**, 3, 52-68	73.3	435
185	Design of light scattering in nanowire materials for photovoltaic applications. *Nano Letters*, **2008**, 8, 2638-42	11.5	435
184	Quantized Majorana conductance. *Nature*, **2018**, 556, 74-79	50.4	382
183	Tunable supercurrent through semiconductor nanowires. *Science*, **2005**, 309, 272-5	33.3	377
182	Supercurrent reversal in quantum dots. *Nature*, **2006**, 442, 667-70	50.4	322
181	Bright single-photon sources in bottom-up tailored nanowires. *Nature Communications*, **2012**, 3, 737	17.4	317
180	Single quantum dot nanowire LEDs. *Nano Letters*, **2007**, 7, 367-71	11.5	310
179	Direct band gap wurtzite gallium phosphide nanowires. *Nano Letters*, **2013**, 13, 1559-63	11.5	230
178	Broad-band and Omnidirectional Antireflection Coatings Based on Semiconductor Nanorods. *Advanced Materials*, **2009**, 21, 973-978	24	225
177	Spectroscopy of spin-orbit quantum bits in indium antimonide nanowires. *Physical Review Letters*, **2012**, 108, 166801	7.4	222
176	Synergetic nanowire growth. *Nature Nanotechnology*, **2007**, 2, 541-4	28.7	203
175	Epitaxy of advanced nanowire quantum devices. *Nature*, **2017**, 548, 434-438	50.4	192
174	Ballistic Majorana nanowire devices. *Nature Nanotechnology*, **2018**, 13, 192-197	28.7	185
173	Growth kinetics of heterostructured GaP-GaAs nanowires. *Journal of the American Chemical Society*, **2006**, 128, 1353-9	16.4	171

172	Epitaxial growth of InP nanowires on germanium. *Nature Materials*, **2004**, 3, 769-73	27	168
171	Strong geometrical dependence of the absorption of light in arrays of semiconductor nanowires. *ACS Nano*, **2011**, 5, 2316-23	16.7	147
170	Ballistic superconductivity in semiconductor nanowires. *Nature Communications*, **2017**, 8, 16025	17.4	136
169	Single-electron tunneling in InP nanowires. *Applied Physics Letters*, **2003**, 83, 344-346	3.4	133
168	Large photonic strength of highly tunable resonant nanowire materials. *Nano Letters*, **2009**, 9, 930-4	11.5	125
167	Direct-bandgap emission from hexagonal Ge and SiGe alloys. *Nature*, **2020**, 580, 205-209	50.4	124
166	Fast spin-orbit qubit in an indium antimonide nanowire. *Physical Review Letters*, **2013**, 110, 066806	7.4	123
165	Synthesis of InP nanotubes. *Journal of the American Chemical Society*, **2003**, 125, 3440-1	16.4	123
164	Josephson ?0-junction in nanowire quantum dots. *Nature Physics*, **2016**, 12, 568-572	16.2	122
163	Realization of Microwave Quantum Circuits Using Hybrid Superconducting-Semiconducting Nanowire Josephson Elements. *Physical Review Letters*, **2015**, 115, 127002	7.4	120
162	High-Efficiency Nanowire Solar Cells with Omnidirectionally Enhanced Absorption Due to Self-Aligned Indium-Tin-Oxide Mie Scatterers. *ACS Nano*, **2016**, 10, 11414-11419	16.7	120
161	Efficiency enhancement of InP nanowire solar cells by surface cleaning. *Nano Letters*, **2013**, 13, 4113-7	11.5	119
160	Hexagonal Silicon Realized. *Nano Letters*, **2015**, 15, 5855-60	11.5	118
159	Experimental phase diagram of zero-bias conductance peaks in superconductor/semiconductor nanowire devices. *Science Advances*, **2017**, 3, e1701476	14.3	115
158	Quantized conductance in an InSb nanowire. *Nano Letters*, **2013**, 13, 387-91	11.5	111
157	Shell-Tunneling Spectroscopy of the Single-Particle Energy Levels of Insulating Quantum Dots. *Nano Letters*, **2001**, 1, 551-556	11.5	110
156	Nanoscale free-carrier profiling of individual semiconductor nanowires by infrared near-field nanoscopy. *Nano Letters*, **2010**, 10, 1387-92	11.5	108
155	Electrical control of single hole spins in nanowire quantum dots. *Nature Nanotechnology*, **2013**, 8, 170-4	28.7	107

154	Position-controlled epitaxial III-V nanowires on silicon. *Nanotechnology*, **2006**, 17, S271-S275	3.4	107
153	Efficient water reduction with gallium phosphide nanowires. *Nature Communications*, **2015**, 6, 7824	17.4	106
152	Formation and electronic properties of InSb nanocrosses. *Nature Nanotechnology*, **2013**, 8, 859-64	28.7	106
151	From InSb nanowires to nanocubes: looking for the sweet spot. *Nano Letters*, **2012**, 12, 1794-8	11.5	102
150	Photoelectrochemical hydrogen production on InP nanowire arrays with molybdenum sulfide electrocatalysts. *Nano Letters*, **2014**, 14, 3715-9	11.5	100
149	Spin-orbit interaction in InSb nanowires. *Physical Review B*, **2015**, 91,	3.3	98
148	Reversible switching of InP nanowire growth direction by catalyst engineering. *Nano Letters*, **2013**, 13, 3802-6	11.5	95
147	Nanowire waveguides launching single photons in a Gaussian mode for ideal fiber coupling. *Nano Letters*, **2014**, 14, 4102-6	11.5	92
146	Growth and optical properties of axial hybrid III-V/silicon nanowires. *Nature Communications*, **2012**, 3, 1266	17.4	92
145	Avalanche amplification of a single exciton in a semiconductor nanowire. *Nature Photonics*, **2012**, 6, 455-458	33.9	87
144	The role of surface energies and chemical potential during nanowire growth. *Nano Letters*, **2011**, 11, 1259-64	11.5	87
143	Epitaxial Growth of III-V Nanowires on Group IV Substrates. *MRS Bulletin*, **2007**, 32, 117-122	3.2	87
142	Increase of the photoluminescence intensity of InP nanowires by photoassisted surface passivation. *Journal of the American Chemical Society*, **2005**, 127, 12357-62	16.4	86
141	Disentangling the effects of spin-orbit and hyperfine interactions on spin blockade. *Physical Review B*, **2010**, 81,	3.3	85
140	Surface passivated InAs/InP core/shell nanowires. *Semiconductor Science and Technology*, **2010**, 25, 024011	1.8	85
139	Crystal structure transfer in core/shell nanowires. *Nano Letters*, **2011**, 11, 1690-4	11.5	82
138	Hard Superconducting Gap in InSb Nanowires. *Nano Letters*, **2017**, 17, 2690-2696	11.5	80
137	Three-dimensional morphology of GaP-GaAs nanowires revealed by transmission electron microscopy tomography. *Nano Letters*, **2007**, 7, 3051-5	11.5	79

136	Scanned probe imaging of quantum dots inside InAs nanowires. *Nano Letters*, **2007**, 7, 2559-62	11.5	76
135	Selective excitation and detection of spin states in a single nanowire quantum dot. *Nano Letters*, **2009**, 9, 1989-93	11.5	73
134	Diameter-dependent conductance of InAs nanowires. *Journal of Applied Physics*, **2009**, 106, 124303	2.5	72
133	Conductance Quantization at Zero Magnetic Field in InSb Nanowires. *Nano Letters*, **2016**, 16, 3482-6	11.5	71
132	Remote p-doping of InAs nanowires. *Nano Letters*, **2007**, 7, 1144-8	11.5	70
131	Towards high mobility InSb nanowire devices. *Nanotechnology*, **2015**, 26, 215202	3.4	68
130	Characterization of Photoinduced Electron Tunneling in Gold/SAM/Q-CdSe Systems by Time-Resolved Photoelectrochemistry. *Journal of Physical Chemistry B*, **2000**, 104, 7266-7272	3.4	68
129	Distance-Dependent Electron Transfer in Au/Spacer/Q-CdSe Assemblies. *Angewandte Chemie - International Edition*, **2000**, 39, 2297-2299	16.4	65
128	Spontaneous emission control of single quantum dots in bottom-up nanowire waveguides. *Applied Physics Letters*, **2012**, 100, 121106	3.4	64
127	Generic nano-imprint process for fabrication of nanowire arrays. *Nanotechnology*, **2010**, 21, 065305	3.4	64
126	Large redshift in photoluminescence of p-doped InP nanowires induced by Fermi-level pinning. *Applied Physics Letters*, **2006**, 88, 043109	3.4	63
125	Resonant electron tunneling through semiconducting nanocrystals in a symmetrical and an asymmetrical junction. *Physical Review B*, **2000**, 62, R7743-R7746	3.3	62
124	High-Efficiency InP-Based Photocathode for Hydrogen Production by Interface Energetics Design and Photon Management. *Advanced Functional Materials*, **2016**, 26, 679-686	15.6	61
123	Giant optical birefringence in ensembles of semiconductor nanowires. *Applied Physics Letters*, **2006**, 89, 233117	3.4	60
122	Growth and Optical Properties of Direct Band Gap Ge/GeSn Core/Shell Nanowire Arrays. *Nano Letters*, **2017**, 17, 1538-1544	11.5	59
121	Directional and Polarized Emission from Nanowire Arrays. *Nano Letters*, **2015**, 15, 4557-63	11.5	56
120	Interface study on heterostructured GaP-GaAs nanowires. *Nanotechnology*, **2006**, 17, 4010-3	3.4	56
119	Rationally designed single-crystalline nanowire networks. *Advanced Materials*, **2014**, 26, 4875-9	24	55

118	Tapered InP nanowire arrays for efficient broadband high-speed single-photon detection. *Nature Nanotechnology*, **2019**, 14, 473-479	28.7	52
117	Nanowire Arrays as Cell Force Sensors To Investigate Adhesin-Enhanced Holdfast of Single Cell Bacteria and Biofilm Stability. *Nano Letters*, **2016**, 16, 4656-64	11.5	52
116	Effective Surface Passivation of InP Nanowires by Atomic-Layer-Deposited AlO with PO Interlayer. *Nano Letters*, **2017**, 17, 6287-6294	11.5	52
115	Epitaxial Growth of Aligned Semiconductor Nanowire Metamaterials for Photonic Applications. *Advanced Functional Materials*, **2008**, 18, 1039-1046	15.6	52
114	Fundamentals of the nanowire solar cell: Optimization of the open circuit voltage. *Applied Physics Reviews*, **2018**, 5, 031106	17.3	51
113	High optical quality single crystal phase wurtzite and zincblende InP nanowires. *Nanotechnology*, **2013**, 24, 115705	3.4	50
112	Conductance through a helical state in an Indium antimonide nanowire. *Nature Communications*, **2017**, 8, 478	17.4	50
111	Exploring Crystal Phase Switching in GaP Nanowires. *Nano Letters*, **2015**, 15, 8062-9	11.5	47
110	Boosting Solar Cell Photovoltage via Nanophotonic Engineering. *Nano Letters*, **2016**, 16, 6467-6471	11.5	47
109	Electric field induced removal of the biexciton binding energy in a single quantum dot. *Nano Letters* , **2011**, 11, 645-50	11.5	46
108	Single-Crystalline Hexagonal Silicon-Germanium. *Nano Letters*, **2017**, 17, 85-90	11.5	45
107	Single electron charging in optically active nanowire quantum dots. *Nano Letters*, **2010**, 10, 1817-22	11.5	44
106	Andreev reflection versus Coulomb blockade in hybrid semiconductor nanowire devices. *Nano Letters*, **2008**, 8, 4098-102	11.5	44
105	Electric field tunable superconductor-semiconductor coupling in Majorana nanowires. *New Journal of Physics*, **2018**, 20, 103049	2.9	44
104	Mesoscopic light transport by very strong collective multiple scattering in nanowire mats. *Nature Photonics*, **2013**, 7, 413-418	33.9	43
103	Ubiquitous Non-Majorana Zero-Bias Conductance Peaks in Nanowire Devices. *Physical Review Letters*, **2019**, 123, 107703	7.4	42
102	Controlling a nanowire quantum dot band gap using a straining dielectric envelope. *Nano Letters*, **2012**, 12, 6206-11	11.5	39
101	Paired twins and [112] morphology in GaP nanowires. *Nano Letters*, **2010**, 10, 2349-56	11.5	39

100	Zinc incorporation via the vapor-liquid-solid mechanism into InP nanowires. *Journal of the American Chemical Society*, **2009**, 131, 4578-9	16.4	38
99	Position-controlled [100] InP nanowire arrays. *Applied Physics Letters*, **2012**, 100, 053107	3.4	37
98	Boosting Hole Mobility in Coherently Strained [110]-Oriented Ge-Si Core-Shell Nanowires. *Nano Letters*, **2017**, 17, 2259-2264	11.5	36
97	Quantifying losses and thermodynamic limits in nanophotonic solar cells. *Nature Nanotechnology*, **2016**, 11, 1071-1075	28.7	36
96	Quantum computing based on semiconductor nanowires. *MRS Bulletin*, **2013**, 38, 809-815	3.2	36
95	Single quantum dot nanowire photodetectors. *Applied Physics Letters*, **2010**, 97, 113108	3.4	36
94	Andreev molecules in semiconductor nanowire double quantum dots. *Nature Communications*, **2017**, 8, 585	17.4	35
93	Non-Majorana states yield nearly quantized conductance in proximatized nanowires. *Nature Physics* , **2021**, 17, 482-488	16.2	35
92	Optical Emission in Hexagonal SiGe Nanowires. *Nano Letters*, **2017**, 17, 4753-4758	11.5	34
91	Diameter dependence of the thermal conductivity of InAs nanowires. *Nanotechnology*, **2015**, 26, 385401	3.4	34
90	Optical Properties of Strained Wurtzite Gallium Phosphide Nanowires. *Nano Letters*, **2016**, 16, 3703-9	11.5	34
89	Electric-field dependent g-factor anisotropy in Ge-Si core-shell nanowire quantum dots. *Physical Review B*, **2016**, 93,	3.3	32
88	Excited-State Dynamics in CdS Quantum Dots Adsorbed on a Metal Electrode. *Journal of Physical Chemistry B*, **1999**, 103, 2781-2788	3.4	31
87	Spin-Orbit Protection of Induced Superconductivity in Majorana Nanowires. *Physical Review Letters*, **2019**, 122, 187702	7.4	30
86	Orientation-dependent optical-polarization properties of single quantum dots in nanowires. *Small*, **2009**, 5, 2134-8	11	30
85	Electric field control of magnetoresistance in InP nanowires with ferromagnetic contacts. *Nano Letters*, **2009**, 9, 2704-9	11.5	30
84	Atom-by-Atom Analysis of Semiconductor Nanowires with Parts Per Million Sensitivity. *Nano Letters* , **2017**, 17, 599-605	11.5	29
83	Supercurrent Interference in Few-Mode Nanowire Josephson Junctions. *Physical Review Letters*, **2017**, 119, 187704	7.4	28

82	Optical study of the band structure of wurtzite GaP nanowires. *Journal of Applied Physics*, **2016**, 120, 044304	2.5	28
81	Parity transitions in the superconducting ground state of hybrid InSb-Al Coulomb islands. *Nature Communications*, **2018**, 9, 4801	17.4	28
80	Observation of Conductance Quantization in InSb Nanowire Networks. *Nano Letters*, **2017**, 17, 6511-6515	11.5	27
79	Unit cell structure of the wurtzite phase of GaP nanowires: X-ray diffraction studies and density functional theory calculations. *Physical Review B*, **2013**, 88,	3.3	27
78	Electron emission from individual indium arsenide semiconductor nanowires. *Nano Letters*, **2007**, 7, 536-40	11.5	27
77	Selective-area chemical beam epitaxy of in-plane InAs one-dimensional channels grown on InP(001), InP(111)B, and InP(011) surfaces. *Physical Review Materials*, **2019**, 3,	3.2	26
76	Ultrafast hole spin qubit with gate-tunable spin-orbit switch functionality. *Nature Nanotechnology*, **2021**, 16, 308-312	28.7	25
75	Critical strain for Sn incorporation into spontaneously graded Ge/GeSn core/shell nanowires. *Nanoscale*, **2018**, 10, 7250-7256	7.7	24
74	Crystal Phase Quantum Well Emission with Digital Control. *Nano Letters*, **2017**, 17, 6062-6068	11.5	23
73	Electroless Etching of ZnSe in Aqueous Ferricyanide Solutions: An Electrochemical Study. *Journal of the Electrochemical Society*, **1997**, 144, 2329-2333	3.9	23
72	Anisotropic Pauli spin blockade in hole quantum dots. *Physical Review B*, **2016**, 94,	3.3	23
71	Charge carrier-selective contacts for nanowire solar cells. *Nature Communications*, **2018**, 9, 3248	17.4	22
70	Harnessing nuclear spin polarization fluctuations in a semiconductor nanowire. *Nature Physics*, **2013**, 9, 631-635	16.2	22
69	Controlling the directional emission of light by periodic arrays of heterostructured semiconductor nanowires. *ACS Nano*, **2011**, 5, 5830-7	16.7	21
68	Formation of wurtzite InP nanowires explained by liquid-ordering. *Nano Letters*, **2011**, 11, 44-8	11.5	21
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66	Phonon Engineering in Twinning Superlattice Nanowires. *Nano Letters*, **2019**, 19, 4702-4711	11.5	19
65	Single, double, and triple quantum dots in Ge/Si nanowires. *Applied Physics Letters*, **2018**, 113, 073102	3.4	19

64	High yield transfer of ordered nanowire arrays into transparent flexible polymer films. *Nanotechnology*, **2012**, 23, 495305	3.4	19
63	High Mobility Stemless InSb Nanowires. *Nano Letters*, **2019**, 19, 3575-3582	11.5	18
62	In-plane selective area InSb-Al nanowire quantum networks. *Communications Physics*, **2020**, 3,	5.4	18
61	A tunnelling spectroscopy study on the single-particle energy levels and electron-electron interactions in CdSe quantum dots. *Nanotechnology*, **2002**, 13, 258-262	3.4	18
60	InSb nanowire double quantum dots coupled to a superconducting microwave cavity. *Applied Physics Letters*, **2016**, 108, 203502	3.4	18
59	Ballistic Phonons in Ultrathin Nanowires. *Nano Letters*, **2020**, 20, 2703-2709	11.5	17
58	Pseudodirect to Direct Compositional Crossover in Wurtzite GaP/InGaP Core-Shell Nanowires. *Nano Letters*, **2016**, 16, 7930-7936	11.5	17
57	Suppression of Zeeman gradients by nuclear polarization in double quantum dots. *Physical Review Letters*, **2012**, 109, 236805	7.4	16
56	Bottom-Up Grown 2D InSb Nanostructures. *Advanced Materials*, **2019**, 31, e1808181	24	16
55	Split-Channel Ballistic Transport in an InSb Nanowire. *Nano Letters*, **2018**, 18, 2282-2287	11.5	15
54	Mirage Andreev Spectra Generated by Mesoscopic Leads in Nanowire Quantum Dots. *Physical Review Letters*, **2018**, 121, 127705	7.4	15
53	Strain engineering in Ge/GeSn core/shell nanowires. *Applied Physics Letters*, **2019**, 115, 113102	3.4	14
52	Efficient Green Emission from Wurtzite Al InP Nanowires. *Nano Letters*, **2018**, 18, 3543-3549	11.5	14
51	Highly tuneable hole quantum dots in Ge-Si core-shell nanowires. *Applied Physics Letters*, **2016**, 109, 143113	3.4	14
50	Spin-Orbit Interaction and Induced Superconductivity in a One-Dimensional Hole Gas. *Nano Letters*, **2018**, 18, 6483-6488	11.5	14
49	Measuring the Optical Absorption of Single Nanowires. *Physical Review Applied*, **2020**, 14,	4.3	13
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47	Optical transmission matrix as a probe of the photonic strength. *Physical Review A*, **2016**, 94,	2.6	13

46	Kinetic Control of Morphology and Composition in Ge/GeSn Core/Shell Nanowires. *ACS Nano*, **2020**, 14, 2445-2455	16.7	12
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44	Multiple Andreev reflections and Shapiro steps in a Ge-Si nanowire Josephson junction. *Physical Review Materials*, **2019**, 3,	3.2	12
43	Hybrid superconductor-quantum point contact devices using InSb nanowires. *Applied Physics Letters* , **2016**, 109, 233502	3.4	12
42	Probing Lattice Dynamics and Electronic Resonances in Hexagonal Ge and SiGe Alloys in Nanowires by Raman Spectroscopy. *ACS Nano*, **2020**, 14, 6845-6856	16.7	11
41	High-Yield Growth and Characterization of <100> InP p-n Diode Nanowires. *Nano Letters*, **2016**, 16, 3071-7	11.5	11
40	Selective-Area Superconductor Epitaxy to Ballistic Semiconductor Nanowires. *Nano Letters*, **2018**, 18, 6121-6128	11.5	11
39	Josephson Effect in a Few-Hole Quantum Dot. *Advanced Materials*, **2018**, 30, e1802257	24	11
38	Hard Superconducting Gap and Diffusion-Induced Superconductors in Ge-Si Nanowires. *Nano Letters*, **2020**, 20, 122-130	11.5	10
37	Surround-gated vertical nanowire quantum dots. *Applied Physics Letters*, **2010**, 96, 233112	3.4	9
36	Crossed Andreev reflection in InSb flake Josephson junctions. *Physical Review Research*, **2019**, 1,	3.9	9
35	Twofold origin of strain-induced bending in core-shell nanowires: the GaP/InGaP case. *Nanotechnology*, **2018**, 29, 315703	3.4	9
34	Influence of growth conditions on the performance of InP nanowire solar cells. *Nanotechnology*, **2016**, 27, 454003	3.4	8
33	The Rotating Ring-Ring Electrode. Theory and Experiment. *Journal of the Electrochemical Society*, **2000**, 147, 1110	3.9	8
32	Strong spin-orbit interaction and g-factor renormalization of hole spins in Ge/Si nanowire quantum dots. *Physical Review Research*, **2021**, 3,	3.9	8
31	Shadow-wall lithography of ballistic superconductor-semiconductor quantum devices. *Nature Communications*, **2021**, 12, 4914	17.4	8
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29	Modification of the photoluminescence anisotropy of semiconductor nanowires by coupling to surface plasmon polaritons. *Optics Letters*, **2007**, 32, 2097-9	3	7

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26	Erasing odd-parity states in semiconductor quantum dots coupled to superconductors. *Physical Review B*, **2020**, 101,	3.3	6
25	Editorial Expression of Concern: Quantized Majorana conductance. *Nature*, **2020**, 581, E4	50.4	6
24	InSb Nanowires with Built-In GaInSb Tunnel Barriers for Majorana Devices. *Nano Letters*, **2017**, 17, 721-727	11.5	6
23	Ultrafast dephasing of light in strongly scattering GaP nanowires. *Physical Review Letters*, **2011**, 106, 143902	7.4	6
22	Full parity phase diagram of a proximitized nanowire island. *Physical Review B*, **2021**, 104,	3.3	5
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20	High refractive index in wurtzite GaP measured from Fabry-Pot resonances. *Applied Physics Letters*, **2016**, 108, 173101	3.4	4
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18	Unveiling Planar Defects in Hexagonal Group IV Materials. *Nano Letters*, **2021**, 21, 3619-3625	11.5	3
17	Bottom-up grown nanowire quantum devices. *MRS Bulletin*, **2019**, 44, 403-410	3.2	2
16	Hysteretic magnetoresistance in nanowire devices due to stray fields induced by micromagnets. *Nanotechnology*, **2021**, 32, 095001	3.4	2
15	Exfoliated hexagonal BN as gate dielectric for InSb nanowire quantum dots with improved gate hysteresis and charge noise. *Applied Physics Letters*, **2020**, 116, 253101	3.4	2
14	Transmission phase read-out of a large quantum dot in a nanowire interferometer. *Nature Communications*, **2020**, 11, 3666	17.4	2
13	Revealing the band structure of InSb nanowires by high-field magnetotransport in the quasiballistic regime. *Physical Review B*, **2016**, 94,	3.3	2
12	Electronic Structure and Epitaxy of CdTe Shells on InSb Nanowires.. *Advanced Science*, **2022**, e2105722	13.6	2
11	Engineering tunnel junctions on ballistic semiconductor nanowires. *Applied Physics Letters*, **2019**, 115, 043503	3.4	1

10	Rational Design: Rationally Designed Single-Crystalline Nanowire Networks (Adv. Mater. 28/2014). *Advanced Materials*, **2014**, 26, 4908-4908	24	1
9	Strong modification of the reflection from birefringent layers of semiconductor nanowires by nanoshells. *Applied Physics Letters*, **2011**, 99, 201108	3.4	1
8	Single-Shot Fabrication of Semiconducting–Superconducting Nanowire Devices. *Advanced Functional Materials*, **2021**, 31, 2102388	15.6	1
7	Universal Platform for Scalable Semiconductor-Superconductor Nanowire Networks. *Advanced Functional Materials*, **2021**, 31, 2103062	15.6	1
6	Hybrid III–V/Silicon Nanowires. *Semiconductors and Semimetals*, **2015**, 93, 231-248	0.6	0
5	Supercurrent parity meter in a nanowire Cooper pair transistor.. *Science Advances*, **2022**, 8, eabm9896	14.3	0
4	Exploring the Internal Radiative Efficiency of Selective Area Nanowires. *Journal of Nanomaterials*, **2019**, 2019, 1-13	3.2	
3	Inside Front Cover: Epitaxial Growth of Aligned Semiconductor Nanowire Metamaterials for Photonic Applications (Adv. Funct. Mater. 7/2008). *Advanced Functional Materials*, **2008**, 18, 970-970	15.6	
2	Prismatic Ge-rich inclusions in the hexagonal SiGe shell of GaP-Si-SiGe nanowires by controlled faceting. *Nanoscale*, **2021**, 13, 9436-9445	7.7	
1	Growth-Related Formation Mechanism of I3-Type Basal Stacking Fault in Epitaxially Grown Hexagonal Ge-2H. *Advanced Materials Interfaces*,2102340	4.6	