Jesper Nygrd

List of Publications by Citations

173 papers	10,818 citations	52 h-index	102 g-index
187 ext. papers	12,500 ext. citations	9.3 avg, IF	6.16 L-index

#	Paper	IF	Citations
173	Crossed nanotube junctions. *Science*, **2000**, 288, 494-7	33.3	1050
172	Exponential protection of zero modes in Majorana islands. *Nature*, **2016**, 531, 206-9	50.4	675
171	Single-nanowire solar cells beyond the Shockley□Queisser limit. *Nature Photonics*, **2013**, 7, 306-310	33.9	607
170	Majorana bound state in a coupled quantum-dot hybrid-nanowire system. *Science*, **2016**, 354, 1557-1562	33.3	581
169	Kondo physics in carbon nanotubes. *Nature*, **2000**, 408, 342-6	50.4	563
168	Cooper pair splitter realized in a two-quantum-dot Y-junction. *Nature*, **2009**, 461, 960-3	50.4	345
167	Epitaxy of semiconductor-superconductor nanowires. *Nature Materials*, **2015**, 14, 400-6	27	280
166	Hard gap in epitaxial semiconductor-superconductor nanowires. *Nature Nanotechnology*, **2015**, 10, 232-6	28.7	259
165	A high-mobility two-dimensional electron gas at the spinel/perovskite interface of □Al2O3/SrTiO3. *Nature Communications*, **2013**, 4, 1371	17.4	235
164	Quantum transport in carbon nanotubes. *Reviews of Modern Physics*, **2015**, 87, 703-764	40.5	229
163	Bias and temperature dependence of the 0.7 conductance anomaly in quantum point contacts. *Physical Review B*, **2000**, 62, 10950-10957	3.3	203
162	Structural phase control in self-catalyzed growth of GaAs nanowires on silicon (111). *Nano Letters*, **2010**, 10, 4475-82	11.5	188
161	Semiconductor-Nanowire-Based Superconducting Qubit. *Physical Review Letters*, **2015**, 115, 127001	7.4	187
160	Surface-passivated GaAsP single-nanowire solar cells exceeding 10% efficiency grown on silicon. *Nature Communications*, **2013**, 4, 1498	17.4	168
159	Shell filling in closed single-wall carbon nanotube quantum dots. *Physical Review Letters*, **2002**, 89, 046803	7.4	143
158	Electrical transport measurements on single-walled carbon nanotubes. *Applied Physics A: Materials Science and Processing*, **1999**, 69, 297-304	2.6	138
157	Tunneling spectroscopy of quasiparticle bound states in a spinful Josephson junction. *Physical Review Letters*, **2013**, 110, 217005	7.4	130

156	Parity lifetime of bound states in a proximitized semiconductor nanowire. *Nature Physics*, **2015**, 11, 1017-1021	16.2	129
155	Non-equilibrium singlet–triplet Kondo effect in carbon nanotubes. *Nature Physics*, **2006**, 2, 460-464	16.2	120
154	Gate-dependent spin–orbit coupling in multielectron carbon nanotubes. *Nature Physics*, **2011**, 7, 348-353	16.2	116
153	Three-dimensional multiple-order twinning of self-catalyzed GaAs nanowires on Si substrates. *Nano Letters*, **2011**, 11, 3827-32	11.5	112
152	Nonlocality of Majorana modes in hybrid nanowires. *Physical Review B*, **2018**, 98,	3.3	109
151	Finite-bias Cooper pair splitting. *Physical Review Letters*, **2011**, 107, 136801	7.4	106
150	Advances in the theory of III–V nanowire growth dynamics. *Journal Physics D: Applied Physics*, **2013**, 46, 313001	3	102
149	Kondo-enhanced Andreev tunneling in InAs nanowire quantum dots. *Physical Review Letters*, **2007**, 99, 126603	7.4	102
148	Spectral Statistics of Acoustic Resonances in Aluminum Blocks. *Physical Review Letters*, **1995**, 75, 1546-1549	7.4	94
147	Impact of the liquid phase shape on the structure of III-V nanowires. *Physical Review Letters*, **2011**, 106, 125505	7.4	92
146	Magnetoresistance in ferromagnetically contacted single-wall carbon nanotubes. *Physical Review B*, **2005**, 72,	3.3	90
145	Symmetry Breaking and Spectral Statistics of Acoustic Resonances in Quartz Blocks. *Physical Review Letters*, **1996**, 77, 4918-4921	7.4	88
144	Cell membrane conformation at vertical nanowire array interface revealed by fluorescence imaging. *Nanotechnology*, **2012**, 23, 415102	3.4	86
143	Giant fluctuations and gate control of the g-factor in InAs nanowire quantum dots. *Nano Letters*, **2008**, 8, 3932-5	11.5	81
142	Junctions in axial III-V heterostructure nanowires obtained via an interchange of group III elements. *Nano Letters*, **2009**, 9, 3689-93	11.5	79
141	Gold nanoparticle single-electron transistor with carbon nanotube leads. *Applied Physics Letters*, **2001**, 79, 2106-2108	3.4	79
140	The photodissociation threshold of NO2: Precise determination of its energy and density of states. *Journal of Chemical Physics*, **1996**, 105, 1287-1290	3.9	78
139	Solution-processed ultrathin chemically derived graphene films as soft top contacts for solid-state molecular electronic junctions. *Advanced Materials*, **2012**, 24, 1333-9	24	75

138	Direct Microwave Measurement of Andreev-Bound-State Dynamics in a Semiconductor-Nanowire Josephson Junction. *Physical Review Letters*, **2018**, 121, 047001	7.4	70
137	Charge trapping in carbon nanotube loops demonstrated by electrostatic force microscopy. *Nano Letters*, **2005**, 5, 1838-41	11.5	70
136	Intact mammalian cell function on semiconductor nanowire arrays: new perspectives for cell-based biosensing. *Small*, **2011**, 7, 640-7	11	69
135	Observation of the 4π-periodic Josephson effect in indium arsenide nanowires. *Nature Communications*, **2019**, 10, 245	17.4	68
134	Suppression of three dimensional twinning for a 100% yield of vertical GaAs nanowires on silicon. *Nanoscale*, **2012**, 4, 1486-90	7.7	68
133	Ultrathin reduced graphene oxide films as transparent top-contacts for light switchable solid-state molecular junctions. *Advanced Materials*, **2013**, 25, 4164-70	24	68
132	Tuning InAs nanowire density for HEK293 cell viability, adhesion, and morphology: perspectives for nanowire-based biosensors. *ACS Applied Materials & Interfaces*, **2013**, 5, 10510-9	9.5	66
131	Ferromagnetic proximity effect in a ferromagnet-quantum-dot-superconductor device. *Physical Review Letters*, **2010**, 104, 246804	7.4	66
130	Quantum dots in suspended single-wall carbon nanotubes. *Applied Physics Letters*, **2001**, 79, 4216-4218	3.4	63
129	Microwave spectroscopy of spinful Andreev bound states in ballistic semiconductor Josephson junctions. *Nature Physics*, **2017**, 13, 876-881	16.2	63
128	Transport Signatures of Quasiparticle Poisoning in a Majorana Island. *Physical Review Letters*, **2017**, 118, 137701	7.4	62
127	From Andreev to Majorana bound states in hybrid superconductor–semiconductor nanowires. *Nature Reviews Physics*, **2020**,	23.6	60
126	Kondo physics in tunable semiconductor nanowire quantum dots. *Physical Review B*, **2006**, 74,	3.3	57
125	An electrically-driven GaAs nanowire surface plasmon source. *Nano Letters*, **2012**, 12, 4943-7	11.5	55
124	Doping incorporation paths in catalyst-free Be-doped GaAs nanowires. *Applied Physics Letters*, **2013**, 102, 013117	3.4	55
123	Effective g Factor of Subgap States in Hybrid Nanowires. *Physical Review Letters*, **2018**, 121, 037703	7.4	54
122	Specific and reversible immobilization of histidine-tagged proteins on functionalized silicon nanowires. *Nanotechnology*, **2010**, 21, 245105	3.4	52
121	Engineering hybrid epitaxial InAsSb/Al nanowires for stronger topological protection. *Physical Review Materials*, **2018**, 2,	3.2	50

120	The 2021 quantum materials roadmap. *JPhys Materials*, **2020**, 3, 042006	4.2	48
119	Gatemon Benchmarking and Two-Qubit Operations. *Physical Review Letters*, **2016**, 116, 150505	7.4	46
118	Spin-Orbit Splitting of Andreev States Revealed by Microwave Spectroscopy. *Physical Review X*, **2019**, 9,	9.1	46
117	Towards a Better Prediction of Cell Settling on Nanostructure Arrays: Simple Means to Complicated Ends. *Advanced Functional Materials*, **2015**, 25, 3246-3255	15.6	45
116	Electrical tuning of Rashba spin-orbit interaction in multigated InAs nanowires. *Physical Review B*, **2016**, 94,	3.3	43
115	Magnetic Field Tuning and Quantum Interference in a Cooper Pair Splitter. *Physical Review Letters*, **2015**, 115, 227003	7.4	43
114	In-situ x-ray characterization of wurtzite formation in GaAs nanowires. *Applied Physics Letters*, **2012**, 100, 093103	3.4	43
113	Temperature dependence of the 0.7 (2e2/h quasi-plateau in strongly confined quantum point contacts. *Physica B: Condensed Matter*, **1998**, 249-251, 180-184	2.8	43
112	Mapping of individual carbon nanotubes in polymer/nanotube composites using electrostatic force microscopy. *Applied Physics Letters*, **2007**, 90, 183108	3.4	43
111	Hybrid Devices from Single Wall Carbon Nanotubes Epitaxially Grown into a Semiconductor Heterostructure. *Nano Letters*, **2004**, 4, 349-352	11.5	42
110	Tuning Yu-Shiba-Rusinov states in a quantum dot. *Physical Review B*, **2016**, 94,	3.3	41
109	Molecular beam epitaxy growth of free-standing plane-parallel InAs nanoplates. *Nature Nanotechnology*, **2007**, 2, 761-4	28.7	41
108	Facet structure of GaAs nanowires grown by molecular beam epitaxy. *Applied Physics Letters*, **2007**, 91, 083106	3.4	41
107	Current-phase relations of few-mode InAs nanowire Josephson junctions. *Nature Physics*, **2017**, 13, 1177-1181	16.1	39
106	Superconductivity-enhanced bias spectroscopy in carbon nanotube quantum dots. *Physical Review B*, **2009**, 79,	3.3	39
105	Conduction channels of an InAs-Al nanowire Josephson weak link. *New Journal of Physics*, **2017**, 19, 092002	2.9	38
104	Evolution of Nanowire Transmon Qubits and Their Coherence in a Magnetic Field. *Physical Review Letters*, **2018**, 120, 100502	7.4	38
103	Effects of buffer composition and dilution on nanowire field-effect biosensors. *Nanotechnology*, **2013**, 24, 035501	3.4	37

102	Experimental determination of adatom diffusion lengths for growth of InAs nanowires. *Journal of Crystal Growth*, **2013**, 364, 16-22	1.6	37
101	Local electrical tuning of the nonlocal signals in a Cooper pair splitter. *Physical Review B*, **2014**, 90,	3.3	35
100	Vertical nanowire arrays as a versatile platform for protein detection and analysis. *Nanoscale*, **2013**, 5, 10226-35	7.7	34
99	Quantifying signal changes in nano-wire based biosensors. *Nanoscale*, **2011**, 3, 706-17	7.7	33
98	Normal, superconducting and topological regimes of hybrid double quantum dots. *Nature Nanotechnology*, **2017**, 12, 212-217	28.7	31
97	Applications of Nanowire Arrays in Nanomedicine. *Journal of Nanoneuroscience*, **2009**, 1, 3-9		30
96	Shadow Epitaxy for In Situ Growth of Generic Semiconductor/Superconductor Hybrids. *Advanced Materials*, **2020**, 32, e1908411	24	28
95	A step closer to membrane protein multiplexed nanoarrays using biotin-doped polypyrrole. *ACS Nano*, **2014**, 8, 1844-53	16.7	28
94	Predicting and rationalizing the effect of surface charge distribution and orientation on nano-wire based FET bio-sensors. *Nanoscale*, **2011**, 3, 3635-40	7.7	28
93	Ambipolar transistor behavior in p-doped InAs nanowires grown by molecular beam epitaxy. *Applied Physics Letters*, **2008**, 92, 012119	3.4	28
92	Sub-Kelvin transport spectroscopy of fullerene peapod quantum dots. *Applied Physics Letters*, **2006**, 89, 233118	3.4	28
91	Anharmonicity of a superconducting qubit with a few-mode Josephson junction. *Physical Review B*, **2018**, 97,	3.3	27
90	Influence of the oxide layer for growth of self-assisted InAs nanowires on Si(111). *Nanoscale Research Letters*, **2011**, 6, 516	5	27
89	Nanoelectromechanical coupling in fullerene peapods probed by resonant electrical transport experiments. *Nature Communications*, **2010**, 1, 37	17.4	27
88	Silver as Seed-Particle Material for GaAs Nanowires--Dictating Crystal Phase and Growth Direction by Substrate Orientation. *Nano Letters*, **2016**, 16, 2181-8	11.5	25
87	Controlling interfacial states in amorphous/crystalline LaAlO3/SrTiO3 heterostructures by electric fields. *Applied Physics Letters*, **2013**, 102, 021602	3.4	25
86	Mesoscopic conductance fluctuations in InAs nanowire-based SNS junctions. *New Journal of Physics*, **2009**, 11, 113025	2.9	25
85	Yu-Shiba-Rusinov screening of spins in double quantum dots. *Nature Communications*, **2018**, 9, 2376	17.4	25

84	A genetic analysis of carbon-nanotube-binding proteins. *Small*, **2008**, 4, 416-20	11	24
83	Engineering light absorption in single-nanowire solar cells with metal nanoparticles. *New Journal of Physics*, **2011**, 13, 123026	2.9	23
82	Growth of InAs Wurtzite Nanocrosses from Hexagonal and Cubic Basis. *Nano Letters*, **2017**, 17, 6090-6096	11.5	22
81	Transport via coupled states in a C60 peapod quantum dot. *Physical Review B*, **2010**, 81,	3.3	22
80	Hybrid Nanowire Ion-to-Electron Transducers for Integrated Bioelectronic Circuitry. *Nano Letters*, **2017**, 17, 827-833	11.5	21
79	Continuous monitoring of a trapped superconducting spin. *Nature Physics*, **2020**, 16, 1103-1107	16.2	21
78	Indium arsenide nanowire field-effect transistors for pH and biological sensing. *Applied Physics Letters*, **2014**, 104, 203504	3.4	21
77	Gigahertz Quantized Charge Pumping in Bottom-Gate-Defined InAs Nanowire Quantum Dots. *Nano Letters*, **2015**, 15, 4585-90	11.5	18
76	A triptycene-based approach to solubilising carbon nanotubes and C60. *Chemistry - A European Journal*, **2012**, 18, 8716-23	4.8	18
75	Nanowire-Aperture Probe: Local Enhanced Fluorescence Detection for the Investigation of Live Cells at the Nanoscale. *ACS Photonics*, **2016**, 3, 1208-1216	6.3	17
74	Gate-dependent orbital magnetic moments in carbon nanotubes. *Physical Review Letters*, **2011**, 107, 186802	7.4	17
73	Modulation of fluorescence signals from biomolecules along nanowires due to interaction of light with oriented nanostructures. *Nano Letters*, **2015**, 15, 176-81	11.5	16
72	Probing induced defects in individual carbon nanotubes using electrostatic force microscopy. *Applied Physics A: Materials Science and Processing*, **2007**, 88, 309-313	2.6	16
71	Epitaxial Pb on InAs nanowires for quantum devices. *Nature Nanotechnology*, **2021**, 16, 776-781	28.7	16
70	Morphology and composition of oxidized InAs nanowires studied by combined Raman spectroscopy and transmission electron microscopy. *Nanotechnology*, **2016**, 27, 305704	3.4	16
69	Magnetic-field-dependent quasiparticle dynamics of nanowire single-Cooper-pair transistors. *Physical Review B*, **2018**, 98,	3.3	16
68	Supercurrent in a Double Quantum Dot. *Physical Review Letters*, **2018**, 121, 257701	7.4	16
67	Superconducting vanadium/indium-arsenide hybrid nanowires. *Nanotechnology*, **2019**, 30, 294005	3.4	15

66	Electrical annealing and temperature dependent transversal conduction in multilayer reduced graphene oxide films for solid-state molecular devices. *Physical Chemistry Chemical Physics*, **2012**, 14, 14277-81	3.6	15
65	Voltage-controlled superconducting quantum bus. *Physical Review B*, **2019**, 99,	3.3	14
64	InAs Nanowire with Epitaxial Aluminum as a Single-Electron Transistor with Fixed Tunnel Barriers. *Physical Review Applied*, **2016**, 6,	4.3	14
63	Correlation between Electrical Transport and Nanoscale Strain in InAs/InGaAs Core-Shell Nanowires. *Nano Letters*, **2018**, 18, 4949-4956	11.5	12
62	The influence of electro-mechanical effects on resonant electron tunneling through small carbon nano-peapods. *New Journal of Physics*, **2008**, 10, 043043	2.9	12
61	Click Chemistry Mediated Functionalization of Vertical Nanowires for Biological Applications. *Chemistry - A European Journal*, **2016**, 22, 496-500	4.8	12
60	Ag-catalyzed InAs nanowires grown on transferable graphite flakes. *Nanotechnology*, **2016**, 27, 365603	3.4	12
59	Integration of carbon nanotubes with semiconductor technology: fabrication of hybrid devices by III–V molecular beam epitaxy. *Semiconductor Science and Technology*, **2006**, 21, S10-S16	1.8	11
58	Annealing of Au, Ag and Au-Ag alloy nanoparticle arrays on GaAs (100) and (111)B. *Nanotechnology*, **2017**, 28, 205702	3.4	10
57	Crystal orientation dependence of the spin-orbit coupling in InAs nanowires. *Physical Review B*, **2018**, 97,	3.3	10
56	Stages in molecular beam epitaxy growth of GaAs nanowires studied by x-ray diffraction. *Nanotechnology*, **2010**, 21, 115603	3.4	10
55	g-factor anisotropy in nanowire-based InAs quantum dots **2013**,		9
54	Magnetic Field Control of the NO 2 Photodissociation Threshold. *Physical Review Letters*, **1997**, 78, 3093-3096	7.4	9
53	Towards low-dimensional hole systems in Be-doped GaAs nanowires. *Nanotechnology*, **2017**, 28, 134005	3.4	8
52	In-situ mechanical characterization of wurtzite InAs nanowires. *Solid State Communications*, **2012**, 152, 1829-1833	1.6	8
51	Electrical contacts to single nanowires: a scalable method allowing multiple devices on a chip. Application to a single nanowire radial p-i-n junction. *International Journal of Nanotechnology*, **2013**, 10, 419	1.5	8
50	Coherent manipulation of an Andreev spin qubit. *Science*, **2021**, 373, 430-433	33.3	8
49	Probing the spatial electron distribution in InAs nanowires by anisotropic magnetoconductance fluctuations. *Physical Review B*, **2015**, 91,	3.3	7

48	In-line characterization of nanostructured mass-produced polymer components using scatterometry. *Journal of Micromechanics and Microengineering*, **2017**, 27, 085004	2	7
47	Nonequilibrium cotunneling through a three-level quantum dot. *Physical Review B*, **2009**, 79,	3.3	7
46	Two-impurity Yu-Shiba-Rusinov states in coupled quantum dots. *Physical Review B*, **2020**, 102,	3.3	7
45	Noncollinear Spin-Orbit Magnetic Fields in a Carbon Nanotube Double Quantum Dot. *Physical Review Letters*, **2016**, 117, 276802	7.4	7
44	Large spatial extension of the zero-energy Yu-Shiba-Rusinov state in a magnetic field. *Nature Communications*, **2020**, 11, 1834	17.4	7
43	High-Quality Reduced Graphene Oxide Electrodes for Sub-Kelvin Studies of Molecular Monolayer Junctions. *Journal of Physical Chemistry C*, **2018**, 122, 25102-25109	3.8	7
42	Observation of spin□rbit coupling induced Weyl points in a two-electron double quantum dot. *Communications Physics*, **2019**, 2,	5.4	6
41	The Effect of Bending Deformation on Charge Transport and Electron Effective Mass of p-doped GaAs Nanowires. *Physica Status Solidi - Rapid Research Letters*, **2019**, 13, 1900134	2.5	6
40	Wet etch methods for InAs nanowire patterning and self-aligned electrical contacts. *Nanotechnology*, **2016**, 27, 195303	3.4	6
39	Tuning the response of non-allowed Raman modes in GaAs nanowires. *Journal Physics D: Applied Physics*, **2016**, 49, 095103	3	6
38	Low temperature transport in p-doped InAs nanowires. *Applied Physics Letters*, **2013**, 103, 162104	3.4	6
37	Replacing libraries in scatterometry. *Optics Express*, **2018**, 26, 34622-34632	3.3	6
36	Magnetoresistance engineering and singlet/triplet switching in InAs nanowire quantum dots with ferromagnetic sidegates. *Physical Review B*, **2016**, 94,	3.3	6
35	Integrated bioelectronic proton-gated logic elements utilizing nanoscale patterned Nafion. *Materials Horizons*, **2021**, 8, 224-233	14.4	6
34	Scatterometry for optimization of injection molded nanostructures at the fabrication line. *International Journal of Advanced Manufacturing Technology*, **2018**, 99, 2669-2676	3.2	6
33	p-GaAs Nanowire Metal-Semiconductor Field-Effect Transistors with Near-Thermal Limit Gating. *Nano Letters*, **2018**, 18, 5673-5680	11.5	5
32	Raman spectroscopy and electrical properties of InAs nanowires with local oxidation enabled by substrate micro-trenches and laser irradiation. *Applied Physics Letters*, **2015**, 107, 243101	3.4	5
31	A classroom demonstration of reciprocal space. *American Journal of Physics*, **2013**, 81, 274-279	0.7	5

30	Tunable double dots and Kondo enhanced Andreev transport in InAs nanowires. *Journal of Vacuum Science & Technology B*, **2008**, 26, 1609		5
29	Electron Spin in Single Wall Carbon Nanotubes. *Physica Scripta*, **2002**, T102, 22	2.6	5
28	Near-thermal limit gating in heavily doped III-V semiconductor nanowires using polymer electrolytes. *Physical Review Materials*, **2018**, 2,	3.2	5
27	Understanding GaAs Nanowire Growth in the Ag–Au Seed Materials System. *Crystal Growth and Design*, **2018**, 18, 6702-6712	3.5	5
26	An STM–SEM setup for characterizing photon and electron induced effects in single photovoltaic nanowires. *Nano Energy*, **2018**, 53, 175-181	17.1	4
25	Micro-Raman spectroscopy for the detection of stacking fault density in InAs and GaAs nanowires. *Physical Review B*, **2017**, 96,	3.3	4
24	Comparison of gate geometries for tunable, local barriers in InAs nanowires. *Journal of Applied Physics*, **2012**, 112, 084323	2.5	4
23	Triplet-blockaded Josephson supercurrent in double quantum dots. *Physical Review B*, **2020**, 102,	3.3	4
22	Single-wall carbon nanotube devices prepared by chemical vapor deposition. *AIP Conference Proceedings*, **2000**,	0	3
21	Double Nanowires for Hybrid Quantum Devices. *Advanced Functional Materials*,2107926	15.6	3
20	Enhancing the NIR Photocurrent in Single GaAs Nanowires with Radial p-i-n Junctions by Uniaxial Strain. *Nano Letters*, **2021**, 21, 9038-9043	11.5	3
19	Temperature induced shifts of Yu–Shiba–Rusinov resonances in nanowire-based hybrid quantum dots. *Communications Physics*, **2020**, 3,	5.4	3
18	Broadband microwave spectroscopy of semiconductor nanowire-based Cooper-pair transistors. *Physical Review B*, **2019**, 99,	3.3	3
17	Josephson junctions in double nanowires bridged by in-situ deposited superconductors. *Physical Review Research*, **2021**, 3,	3.9	3
16	Study on Micrograting Using Imaging, Spectroscopic, and Fourier Lens Scatterometry. *Journal of Micro and Nano-Manufacturing*, **2017**, 5,	1.3	2
15	Integration of Carbon Nanotubes with Semiconductor Technology by Epitaxial Encapsulation. *AIP Conference Proceedings*, **2004**,	0	2
14	Coupling between Electronic and Vibrational Excitations in Carbon Nanotubes Filled with C60Fullerenes. *Acta Physica Polonica A*, **2011**, 120, 839-841	0.6	2
13	Gate-Controlled Supercurrent in Epitaxial Al/InAs Nanowires. *Nano Letters*, **2021**, 21, 9684-9690	11.5	2

List of Publications

12	Superconductivity and Parity Preservation in As-Grown In Islands on InAs Nanowires. *Nano Letters*, **2021**, 21, 9875-9881	11.5	2
11	Andreev Molecule in Parallel InAs Nanowires. *Nano Letters*, **2021**, 21, 7929-7937	11.5	2
10	Asymmetric Little-Parks oscillations in full shell double nanowires. *Scientific Reports*, **2021**, 11, 19034	4.9	2
9	Quantum point contacts formed in GaAs/GaAlAs heterostructures by shallow etching and overgrowth. *Solid-State Electronics*, **1998**, 42, 1103-1107	1.7	1
8	Scalable Platform for Nanocrystal-Based Quantum Electronics. *Advanced Functional Materials*,2112941	15.6	0
7	Excitations in a superconducting Coulombic energy gap.. *Nature Communications*, **2022**, 13, 2243	17.4	0
6	Shadow Epitaxy: Shadow Epitaxy for In Situ Growth of Generic Semiconductor/Superconductor Hybrids (Adv. Mater. 23/2020). *Advanced Materials*, **2020**, 32, 2070179	24	
5	InAs1-xSbx / Al core-shell nanowire epitaxy **2016**, 526-527		
4	The Effect of Bending Deformation on Charge Transport and Electron Effective Mass of p-doped GaAs Nanowires. *Physica Status Solidi - Rapid Research Letters*, **2019**, 13, 1970033	2.5	
3	Nanowire Arrays: Intact Mammalian Cell Function on Semiconductor Nanowire Arrays: New Perspectives for Cell-Based Biosensing (Small 1/2011). *Small*, **2011**, 7, 550-550	11	
2	BioFET-SIM: A Tool for the Analysis and Prediction of Signal Changes in Nanowire-Based Field Effect Transistor Biosensors. *Lecture Notes in Nanoscale Science and Technology*, **2013**, 55-86	0.3	
1	Examination of inas/insb heterointerfaces in nanowires **2016**, 427-428		