

Jesper Nygrd

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.

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	Excitations in a superconducting Coulombic energy gap.. <i>Nature Communications</i> , 2022 , 13, 2243	17.4	0
172	Gate-Controlled Supercurrent in Epitaxial Al/InAs Nanowires. <i>Nano Letters</i> , 2021 , 21, 9684-9690	11.5	2
171	Superconductivity and Parity Preservation in As-Grown In Islands on InAs Nanowires. <i>Nano Letters</i> , 2021 , 21, 9875-9881	11.5	2
170	Enhancing the NIR Photocurrent in Single GaAs Nanowires with Radial p-i-n Junctions by Uniaxial Strain. <i>Nano Letters</i> , 2021 , 21, 9038-9043	11.5	3
169	Epitaxial Pb on InAs nanowires for quantum devices. <i>Nature Nanotechnology</i> , 2021 , 16, 776-781	28.7	16
168	Integrated bioelectronic proton-gated logic elements utilizing nanoscale patterned Nafion. <i>Materials Horizons</i> , 2021 , 8, 224-233	14.4	6
167	Coherent manipulation of an Andreev spin qubit. <i>Science</i> , 2021 , 373, 430-433	33.3	8
166	Josephson junctions in double nanowires bridged by in-situ deposited superconductors. <i>Physical Review Research</i> , 2021 , 3,	3.9	3
165	Andreev Molecule in Parallel InAs Nanowires. <i>Nano Letters</i> , 2021 , 21, 7929-7937	11.5	2
164	Asymmetric Little-Parks oscillations in full shell double nanowires. <i>Scientific Reports</i> , 2021 , 11, 19034	4.9	2
163	Shadow Epitaxy: Shadow Epitaxy for In Situ Growth of Generic Semiconductor/Superconductor Hybrids (Adv. Mater. 23/2020). <i>Advanced Materials</i> , 2020 , 32, 2070179	24	
162	Continuous monitoring of a trapped superconducting spin. <i>Nature Physics</i> , 2020 , 16, 1103-1107	16.2	21
161	Shadow Epitaxy for In Situ Growth of Generic Semiconductor/Superconductor Hybrids. <i>Advanced Materials</i> , 2020 , 32, e1908411	24	28
160	Triplet-blockaded Josephson supercurrent in double quantum dots. <i>Physical Review B</i> , 2020 , 102,	3.3	4
159	Temperature induced shifts of YuShibaRusinov resonances in nanowire-based hybrid quantum dots. <i>Communications Physics</i> , 2020 , 3,	5.4	3
158	From Andreev to Majorana bound states in hybrid superconductorSemiconductor nanowires. <i>Nature Reviews Physics</i> , 2020 ,	23.6	60
157	Two-impurity Yu-Shiba-Rusinov states in coupled quantum dots. <i>Physical Review B</i> , 2020 , 102,	3.3	7

156	Large spatial extension of the zero-energy Yu-Shiba-Rusinov state in a magnetic field. <i>Nature Communications</i> , 2020 , 11, 1834	17.4	7
155	The 2021 quantum materials roadmap. <i>JPhys Materials</i> , 2020 , 3, 042006	4.2	48
154	Observation of spin-orbit coupling induced Weyl points in a two-electron double quantum dot. <i>Communications Physics</i> , 2019 , 2,	5.4	6
153	Observation of the 4 π -periodic Josephson effect in indium arsenide nanowires. <i>Nature Communications</i> , 2019 , 10, 245	17.4	68
152	The Effect of Bending Deformation on Charge Transport and Electron Effective Mass of p-doped GaAs Nanowires. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019 , 13, 1900134	2.5	6
151	Superconducting vanadium/indium-arsenide hybrid nanowires. <i>Nanotechnology</i> , 2019 , 30, 294005	3.4	15
150	Voltage-controlled superconducting quantum bus. <i>Physical Review B</i> , 2019 , 99,	3.3	14
149	The Effect of Bending Deformation on Charge Transport and Electron Effective Mass of p-doped GaAs Nanowires. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019 , 13, 1970033	2.5	
148	Broadband microwave spectroscopy of semiconductor nanowire-based Cooper-pair transistors. <i>Physical Review B</i> , 2019 , 99,	3.3	3
147	Spin-Orbit Splitting of Andreev States Revealed by Microwave Spectroscopy. <i>Physical Review X</i> , 2019 , 9,	9.1	46
146	Anharmonicity of a superconducting qubit with a few-mode Josephson junction. <i>Physical Review B</i> , 2018 , 97,	3.3	27
145	Evolution of Nanowire Transmon Qubits and Their Coherence in a Magnetic Field. <i>Physical Review Letters</i> , 2018 , 120, 100502	7.4	38
144	Crystal orientation dependence of the spin-orbit coupling in InAs nanowires. <i>Physical Review B</i> , 2018 , 97,	3.3	10
143	Direct Microwave Measurement of Andreev-Bound-State Dynamics in a Semiconductor-Nanowire Josephson Junction. <i>Physical Review Letters</i> , 2018 , 121, 047001	7.4	70
142	Correlation between Electrical Transport and Nanoscale Strain in InAs/InGaAs Core-Shell Nanowires. <i>Nano Letters</i> , 2018 , 18, 4949-4956	11.5	12
141	Effective g Factor of Subgap States in Hybrid Nanowires. <i>Physical Review Letters</i> , 2018 , 121, 037703	7.4	54
140	Nonlocality of Majorana modes in hybrid nanowires. <i>Physical Review B</i> , 2018 , 98,	3.3	109
139	p-GaAs Nanowire Metal-Semiconductor Field-Effect Transistors with Near-Thermal Limit Gating. <i>Nano Letters</i> , 2018 , 18, 5673-5680	11.5	5

138	An STM μ SEM setup for characterizing photon and electron induced effects in single photovoltaic nanowires. <i>Nano Energy</i> , 2018 , 53, 175-181	17.1	4
137	Near-thermal limit gating in heavily doped III-V semiconductor nanowires using polymer electrolytes. <i>Physical Review Materials</i> , 2018 , 2,	3.2	5
136	Engineering hybrid epitaxial InAsSb/Al nanowires for stronger topological protection. <i>Physical Review Materials</i> , 2018 , 2,	3.2	50
135	Replacing libraries in scatterometry. <i>Optics Express</i> , 2018 , 26, 34622-34632	3.3	6
134	Magnetic-field-dependent quasiparticle dynamics of nanowire single-Cooper-pair transistors. <i>Physical Review B</i> , 2018 , 98,	3.3	16
133	High-Quality Reduced Graphene Oxide Electrodes for Sub-Kelvin Studies of Molecular Monolayer Junctions. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 25102-25109	3.8	7
132	Supercurrent in a Double Quantum Dot. <i>Physical Review Letters</i> , 2018 , 121, 257701	7.4	16
131	Understanding GaAs Nanowire Growth in the Ag/Au Seed Materials System. <i>Crystal Growth and Design</i> , 2018 , 18, 6702-6712	3.5	5
130	Scatterometry for optimization of injection molded nanostructures at the fabrication line. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 99, 2669-2676	3.2	6
129	Yu-Shiba-Rusinov screening of spins in double quantum dots. <i>Nature Communications</i> , 2018 , 9, 2376	17.4	25
128	Towards low-dimensional hole systems in Be-doped GaAs nanowires. <i>Nanotechnology</i> , 2017 , 28, 134005	3.4	8
127	Annealing of Au, Ag and Au-Ag alloy nanoparticle arrays on GaAs (100) and (111)B. <i>Nanotechnology</i> , 2017 , 28, 205702	3.4	10
126	Study on Microgratings Using Imaging, Spectroscopic, and Fourier Lens Scatterometry. <i>Journal of Micro and Nano-Manufacturing</i> , 2017 , 5,	1.3	2
125	Transport Signatures of Quasiparticle Poisoning in a Majorana Island. <i>Physical Review Letters</i> , 2017 , 118, 137701	7.4	62
124	Hybrid Nanowire Ion-to-Electron Transducers for Integrated Bioelectronic Circuitry. <i>Nano Letters</i> , 2017 , 17, 827-833	11.5	21
123	Conduction channels of an InAs-Al nanowire Josephson weak link. <i>New Journal of Physics</i> , 2017 , 19, 092003	10.3	38
122	Growth of InAs Wurtzite Nanocrosses from Hexagonal and Cubic Basis. <i>Nano Letters</i> , 2017 , 17, 6090-6096	11.5	22
121	Current-phase relations of few-mode InAs nanowire Josephson junctions. <i>Nature Physics</i> , 2017 , 13, 1177-1181	16.8	39

120	Micro-Raman spectroscopy for the detection of stacking fault density in InAs and GaAs nanowires. <i>Physical Review B</i> , 2017 , 96,	3.3	4
119	In-line characterization of nanostructured mass-produced polymer components using scatterometry. <i>Journal of Micromechanics and Microengineering</i> , 2017 , 27, 085004	2	7
118	Normal, superconducting and topological regimes of hybrid double quantum dots. <i>Nature Nanotechnology</i> , 2017 , 12, 212-217	28.7	31
117	Microwave spectroscopy of spinful Andreev bound states in ballistic semiconductor Josephson junctions. <i>Nature Physics</i> , 2017 , 13, 876-881	16.2	63
116	Tuning Yu-Shiba-Rusinov states in a quantum dot. <i>Physical Review B</i> , 2016 , 94,	3.3	41
115	Electrical tuning of Rashba spin-orbit interaction in multigated InAs nanowires. <i>Physical Review B</i> , 2016 , 94,	3.3	43
114	Gatemon Benchmarking and Two-Qubit Operations. <i>Physical Review Letters</i> , 2016 , 116, 150505	7.4	46
113	InAs _{1-x} Sb _x / Al core-shell nanowire epitaxy 2016 , 526-527		
112	Wet etch methods for InAs nanowire patterning and self-aligned electrical contacts. <i>Nanotechnology</i> , 2016 , 27, 195303	3.4	6
111	Nanowire-Aperture Probe: Local Enhanced Fluorescence Detection for the Investigation of Live Cells at the Nanoscale. <i>ACS Photonics</i> , 2016 , 3, 1208-1216	6.3	17
110	Silver as Seed-Particle Material for GaAs Nanowires--Dictating Crystal Phase and Growth Direction by Substrate Orientation. <i>Nano Letters</i> , 2016 , 16, 2181-8	11.5	25
109	Tuning the response of non-allowed Raman modes in GaAs nanowires. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 095103	3	6
108	Exponential protection of zero modes in Majorana islands. <i>Nature</i> , 2016 , 531, 206-9	50.4	675
107	Examination of InAs/InSb heterointerfaces in nanowires 2016 , 427-428		
106	Click Chemistry Mediated Functionalization of Vertical Nanowires for Biological Applications. <i>Chemistry - A European Journal</i> , 2016 , 22, 496-500	4.8	12
105	Magnetoresistance engineering and singlet/triplet switching in InAs nanowire quantum dots with ferromagnetic sidegates. <i>Physical Review B</i> , 2016 , 94,	3.3	6
104	Noncollinear Spin-Orbit Magnetic Fields in a Carbon Nanotube Double Quantum Dot. <i>Physical Review Letters</i> , 2016 , 117, 276802	7.4	7
103	Majorana bound state in a coupled quantum-dot hybrid-nanowire system. <i>Science</i> , 2016 , 354, 1557-1562	33.3	581

102	Morphology and composition of oxidized InAs nanowires studied by combined Raman spectroscopy and transmission electron microscopy. <i>Nanotechnology</i> , 2016 , 27, 305704	3.4	16
101	InAs Nanowire with Epitaxial Aluminum as a Single-Electron Transistor with Fixed Tunnel Barriers. <i>Physical Review Applied</i> , 2016 , 6,	4.3	14
100	Ag-catalyzed InAs nanowires grown on transferable graphite flakes. <i>Nanotechnology</i> , 2016 , 27, 365603	3.4	12
99	Epitaxy of semiconductor-superconductor nanowires. <i>Nature Materials</i> , 2015 , 14, 400-6	27	280
98	Probing the spatial electron distribution in InAs nanowires by anisotropic magnetoconductance fluctuations. <i>Physical Review B</i> , 2015 , 91,	3.3	7
97	Gigahertz Quantized Charge Pumping in Bottom-Gate-Defined InAs Nanowire Quantum Dots. <i>Nano Letters</i> , 2015 , 15, 4585-90	11.5	18
96	Quantum transport in carbon nanotubes. <i>Reviews of Modern Physics</i> , 2015 , 87, 703-764	40.5	229
95	Parity lifetime of bound states in a proximitized semiconductor nanowire. <i>Nature Physics</i> , 2015 , 11, 1017-1021	10.21	129
94	Modulation of fluorescence signals from biomolecules along nanowires due to interaction of light with oriented nanostructures. <i>Nano Letters</i> , 2015 , 15, 176-81	11.5	16
93	Semiconductor-Nanowire-Based Superconducting Qubit. <i>Physical Review Letters</i> , 2015 , 115, 127001	7.4	187
92	Magnetic Field Tuning and Quantum Interference in a Cooper Pair Splitter. <i>Physical Review Letters</i> , 2015 , 115, 227003	7.4	43
91	Raman spectroscopy and electrical properties of InAs nanowires with local oxidation enabled by substrate micro-trenches and laser irradiation. <i>Applied Physics Letters</i> , 2015 , 107, 243101	3.4	5
90	Towards a Better Prediction of Cell Settling on Nanostructure Arrays: Simple Means to Complicated Ends. <i>Advanced Functional Materials</i> , 2015 , 25, 3246-3255	15.6	45
89	Hard gap in epitaxial semiconductor-superconductor nanowires. <i>Nature Nanotechnology</i> , 2015 , 10, 232-238	8.7	259
88	A step closer to membrane protein multiplexed nanoarrays using biotin-doped polypyrrole. <i>ACS Nano</i> , 2014 , 8, 1844-53	16.7	28
87	Indium arsenide nanowire field-effect transistors for pH and biological sensing. <i>Applied Physics Letters</i> , 2014 , 104, 203504	3.4	21
86	Local electrical tuning of the nonlocal signals in a Cooper pair splitter. <i>Physical Review B</i> , 2014 , 90,	3.3	35
85	Advances in the theory of III-V nanowire growth dynamics. <i>Journal Physics D: Applied Physics</i> , 2013 , 46, 313001	3	102

84	Low temperature transport in p-doped InAs nanowires. <i>Applied Physics Letters</i> , 2013 , 103, 162104	3.4	6
83	Tunneling spectroscopy of quasiparticle bound states in a spinful Josephson junction. <i>Physical Review Letters</i> , 2013 , 110, 217005	7.4	130
82	Vertical nanowire arrays as a versatile platform for protein detection and analysis. <i>Nanoscale</i> , 2013 , 5, 10226-35	7.7	34
81	Tuning InAs nanowire density for HEK293 cell viability, adhesion, and morphology: perspectives for nanowire-based biosensors. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 10510-9	9.5	66
80	A high-mobility two-dimensional electron gas at the spinel/perovskite interface of $\text{BaAl}_2\text{O}_3/\text{SrTiO}_3$. <i>Nature Communications</i> , 2013 , 4, 1371	17.4	235
79	Surface-passivated GaAsP single-nanowire solar cells exceeding 10% efficiency grown on silicon. <i>Nature Communications</i> , 2013 , 4, 1498	17.4	168
78	Single-nanowire solar cells beyond the Shockley-Queisser limit. <i>Nature Photonics</i> , 2013 , 7, 306-310	33.9	607
77	A classroom demonstration of reciprocal space. <i>American Journal of Physics</i> , 2013 , 81, 274-279	0.7	5
76	Effects of buffer composition and dilution on nanowire field-effect biosensors. <i>Nanotechnology</i> , 2013 , 24, 035501	3.4	37
75	Ultrathin reduced graphene oxide films as transparent top-contacts for light switchable solid-state molecular junctions. <i>Advanced Materials</i> , 2013 , 25, 4164-70	24	68
74	Experimental determination of adatom diffusion lengths for growth of InAs nanowires. <i>Journal of Crystal Growth</i> , 2013 , 364, 16-22	1.6	37
73	g-factor anisotropy in nanowire-based InAs quantum dots 2013 ,		9
72	Doping incorporation paths in catalyst-free Be-doped GaAs nanowires. <i>Applied Physics Letters</i> , 2013 , 102, 013117	3.4	55
71	Controlling interfacial states in amorphous/crystalline $\text{LaAlO}_3/\text{SrTiO}_3$ heterostructures by electric fields. <i>Applied Physics Letters</i> , 2013 , 102, 021602	3.4	25
70	Electrical contacts to single nanowires: a scalable method allowing multiple devices on a chip. Application to a single nanowire radial p-i-n junction. <i>International Journal of Nanotechnology</i> , 2013 , 10, 419	1.5	8
69	BioFET-SIM: A Tool for the Analysis and Prediction of Signal Changes in Nanowire-Based Field Effect Transistor Biosensors. <i>Lecture Notes in Nanoscale Science and Technology</i> , 2013 , 55-86	0.3	
68	Solution-processed ultrathin chemically derived graphene films as soft top contacts for solid-state molecular electronic junctions. <i>Advanced Materials</i> , 2012 , 24, 1333-9	24	75
67	Electrical annealing and temperature dependent transversal conduction in multilayer reduced graphene oxide films for solid-state molecular devices. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 14277-81	3.6	15

66	Suppression of three dimensional twinning for a 100% yield of vertical GaAs nanowires on silicon. <i>Nanoscale</i> , 2012 , 4, 1486-90	7.7	68
65	Cell membrane conformation at vertical nanowire array interface revealed by fluorescence imaging. <i>Nanotechnology</i> , 2012 , 23, 415102	3.4	86
64	In-situ mechanical characterization of wurtzite InAs nanowires. <i>Solid State Communications</i> , 2012 , 152, 1829-1833	1.6	8
63	An electrically-driven GaAs nanowire surface plasmon source. <i>Nano Letters</i> , 2012 , 12, 4943-7	11.5	55
62	A triptycene-based approach to solubilising carbon nanotubes and C60. <i>Chemistry - A European Journal</i> , 2012 , 18, 8716-23	4.8	18
61	In-situ x-ray characterization of wurtzite formation in GaAs nanowires. <i>Applied Physics Letters</i> , 2012 , 100, 093103	3.4	43
60	Comparison of gate geometries for tunable, local barriers in InAs nanowires. <i>Journal of Applied Physics</i> , 2012 , 112, 084323	2.5	4
59	Predicting and rationalizing the effect of surface charge distribution and orientation on nano-wire based FET bio-sensors. <i>Nanoscale</i> , 2011 , 3, 3635-40	7.7	28
58	Quantifying signal changes in nano-wire based biosensors. <i>Nanoscale</i> , 2011 , 3, 706-17	7.7	33
57	Gate-dependent spin-orbit coupling in multielectron carbon nanotubes. <i>Nature Physics</i> , 2011 , 7, 348-353	16.2	116
56	Influence of the oxide layer for growth of self-assisted InAs nanowires on Si(111). <i>Nanoscale Research Letters</i> , 2011 , 6, 516	5	27
55	Intact mammalian cell function on semiconductor nanowire arrays: new perspectives for cell-based biosensing. <i>Small</i> , 2011 , 7, 640-7	11	69
54	Nanowire Arrays: Intact Mammalian Cell Function on Semiconductor Nanowire Arrays: New Perspectives for Cell-Based Biosensing (Small 1/2011). <i>Small</i> , 2011 , 7, 550-550	11	
53	Engineering light absorption in single-nanowire solar cells with metal nanoparticles. <i>New Journal of Physics</i> , 2011 , 13, 123026	2.9	23
52	Three-dimensional multiple-order twinning of self-catalyzed GaAs nanowires on Si substrates. <i>Nano Letters</i> , 2011 , 11, 3827-32	11.5	112
51	Gate-dependent orbital magnetic moments in carbon nanotubes. <i>Physical Review Letters</i> , 2011 , 107, 186802	7.4	17
50	Finite-bias Cooper pair splitting. <i>Physical Review Letters</i> , 2011 , 107, 136801	7.4	106
49	Impact of the liquid phase shape on the structure of III-V nanowires. <i>Physical Review Letters</i> , 2011 , 106, 125505	7.4	92

48	Coupling between Electronic and Vibrational Excitations in Carbon Nanotubes Filled with C60Fullerenes. <i>Acta Physica Polonica A</i> , 2011 , 120, 839-841	0.6	2
47	Ferromagnetic proximity effect in a ferromagnet-quantum-dot-superconductor device. <i>Physical Review Letters</i> , 2010 , 104, 246804	7.4	66
46	Transport via coupled states in a C60 peapod quantum dot. <i>Physical Review B</i> , 2010 , 81,	3.3	22
45	Nanoelectromechanical coupling in fullerene peapods probed by resonant electrical transport experiments. <i>Nature Communications</i> , 2010 , 1, 37	17.4	27
44	Stages in molecular beam epitaxy growth of GaAs nanowires studied by x-ray diffraction. <i>Nanotechnology</i> , 2010 , 21, 115603	3.4	10
43	Specific and reversible immobilization of histidine-tagged proteins on functionalized silicon nanowires. <i>Nanotechnology</i> , 2010 , 21, 245105	3.4	52
42	Structural phase control in self-catalyzed growth of GaAs nanowires on silicon (111). <i>Nano Letters</i> , 2010 , 10, 4475-82	11.5	188
41	Superconductivity-enhanced bias spectroscopy in carbon nanotube quantum dots. <i>Physical Review B</i> , 2009 , 79,	3.3	39
40	Mesoscopic conductance fluctuations in InAs nanowire-based SNS junctions. <i>New Journal of Physics</i> , 2009 , 11, 113025	2.9	25
39	Cooper pair splitter realized in a two-quantum-dot Y-junction. <i>Nature</i> , 2009 , 461, 960-3	50.4	345
38	Nonequilibrium cotunneling through a three-level quantum dot. <i>Physical Review B</i> , 2009 , 79,	3.3	7
37	Junctions in axial III-V heterostructure nanowires obtained via an interchange of group III elements. <i>Nano Letters</i> , 2009 , 9, 3689-93	11.5	79
36	Applications of Nanowire Arrays in Nanomedicine. <i>Journal of Nanoneuroscience</i> , 2009 , 1, 3-9		30
35	Giant fluctuations and gate control of the g-factor in InAs nanowire quantum dots. <i>Nano Letters</i> , 2008 , 8, 3932-5	11.5	81
34	Tunable double dots and Kondo enhanced Andreev transport in InAs nanowires. <i>Journal of Vacuum Science & Technology B</i> , 2008 , 26, 1609		5
33	The influence of electro-mechanical effects on resonant electron tunneling through small carbon nano-peapods. <i>New Journal of Physics</i> , 2008 , 10, 043043	2.9	12
32	Ambipolar transistor behavior in p-doped InAs nanowires grown by molecular beam epitaxy. <i>Applied Physics Letters</i> , 2008 , 92, 012119	3.4	28
31	A genetic analysis of carbon-nanotube-binding proteins. <i>Small</i> , 2008 , 4, 416-20	11	24

30	Molecular beam epitaxy growth of free-standing plane-parallel InAs nanoplates. <i>Nature Nanotechnology</i> , 2007 , 2, 761-4	28.7	41
29	Probing induced defects in individual carbon nanotubes using electrostatic force microscopy. <i>Applied Physics A: Materials Science and Processing</i> , 2007 , 88, 309-313	2.6	16
28	Facet structure of GaAs nanowires grown by molecular beam epitaxy. <i>Applied Physics Letters</i> , 2007 , 91, 083106	3.4	41
27	Kondo-enhanced Andreev tunneling in InAs nanowire quantum dots. <i>Physical Review Letters</i> , 2007 , 99, 126603	7.4	102
26	Mapping of individual carbon nanotubes in polymer/nanotube composites using electrostatic force microscopy. <i>Applied Physics Letters</i> , 2007 , 90, 183108	3.4	43
25	Integration of carbon nanotubes with semiconductor technology: fabrication of hybrid devices by III-V molecular beam epitaxy. <i>Semiconductor Science and Technology</i> , 2006 , 21, S10-S16	1.8	11
24	Sub-Kelvin transport spectroscopy of fullerene peapod quantum dots. <i>Applied Physics Letters</i> , 2006 , 89, 233118	3.4	28
23	Kondo physics in tunable semiconductor nanowire quantum dots. <i>Physical Review B</i> , 2006 , 74,	3.3	57
22	Non-equilibrium singlet-triplet Kondo effect in carbon nanotubes. <i>Nature Physics</i> , 2006 , 2, 460-464	16.2	120
21	Magnetoresistance in ferromagnetically contacted single-wall carbon nanotubes. <i>Physical Review B</i> , 2005 , 72,	3.3	90
20	Charge trapping in carbon nanotube loops demonstrated by electrostatic force microscopy. <i>Nano Letters</i> , 2005 , 5, 1838-41	11.5	70
19	Integration of Carbon Nanotubes with Semiconductor Technology by Epitaxial Encapsulation. <i>AIP Conference Proceedings</i> , 2004 ,	0	2
18	Hybrid Devices from Single Wall Carbon Nanotubes Epitaxially Grown into a Semiconductor Heterostructure. <i>Nano Letters</i> , 2004 , 4, 349-352	11.5	42
17	Shell filling in closed single-wall carbon nanotube quantum dots. <i>Physical Review Letters</i> , 2002 , 89, 046803	7.4	143
16	Electron Spin in Single Wall Carbon Nanotubes. <i>Physica Scripta</i> , 2002 , T102, 22	2.6	5
15	Quantum dots in suspended single-wall carbon nanotubes. <i>Applied Physics Letters</i> , 2001 , 79, 4216-4218	3.4	63
14	Gold nanoparticle single-electron transistor with carbon nanotube leads. <i>Applied Physics Letters</i> , 2001 , 79, 2106-2108	3.4	79
13	Single-wall carbon nanotube devices prepared by chemical vapor deposition. <i>AIP Conference Proceedings</i> , 2000 ,	0	3

12	Kondo physics in carbon nanotubes. <i>Nature</i> , 2000 , 408, 342-6	50.4	563
11	Crossed nanotube junctions. <i>Science</i> , 2000 , 288, 494-7	33.3	1050
10	Bias and temperature dependence of the 0.7 conductance anomaly in quantum point contacts. <i>Physical Review B</i> , 2000 , 62, 10950-10957	3.3	203
9	Electrical transport measurements on single-walled carbon nanotubes. <i>Applied Physics A: Materials Science and Processing</i> , 1999 , 69, 297-304	2.6	138
8	Quantum point contacts formed in GaAs/GaAlAs heterostructures by shallow etching and overgrowth. <i>Solid-State Electronics</i> , 1998 , 42, 1103-1107	1.7	1
7	Temperature dependence of the $0.7\frac{2e^2}{h}$ quasi-plateau in strongly confined quantum point contacts. <i>Physica B: Condensed Matter</i> , 1998 , 249-251, 180-184	2.8	43
6	Magnetic Field Control of the NO ₂ Photodissociation Threshold. <i>Physical Review Letters</i> , 1997 , 78, 3093-3096	3.9	9
5	Symmetry Breaking and Spectral Statistics of Acoustic Resonances in Quartz Blocks. <i>Physical Review Letters</i> , 1996 , 77, 4918-4921	7.4	88
4	The photodissociation threshold of NO ₂ : Precise determination of its energy and density of states. <i>Journal of Chemical Physics</i> , 1996 , 105, 1287-1290	3.9	78
3	Spectral Statistics of Acoustic Resonances in Aluminum Blocks. <i>Physical Review Letters</i> , 1995 , 75, 1546-1549	7.4	94
2	Double Nanowires for Hybrid Quantum Devices. <i>Advanced Functional Materials</i> , 2017 , 27, 17026	15.6	3
1	Scalable Platform for Nanocrystal-Based Quantum Electronics. <i>Advanced Functional Materials</i> , 2017 , 27, 17026	15.6	0