Jesper NygÃ¥rd

List of Publications by Year
in descending order

182 papers	13,607 citations	23567 58 h-index	21540 114 g-index
187 all docs	187 docs citations	187 times ranked	10719 citing authors

#	Article	IF	Citations
1	Crossed Nanotube Junctions. Science, 2000, 288, 494-497.	12.6	1,135
2	Exponential protection of zero modes in Majorana islands. Nature, 2016, 531, 206-209.	27.8	877
3	Majorana bound state in a coupled quantum-dot hybrid-nanowire system. Science, 2016, 354, 1557-1562.	12.6	816
4	Single-nanowire solar cells beyond the Shockleyâ€"Queisser limit. Nature Photonics, 2013, 7, 306-310.	31.4	708
5	Kondo physics in carbon nanotubes. Nature, 2000, 408, 342-346.	27.8	611
6	Cooper pair splitter realized in a two-quantum-dot Y-junction. Nature, 2009, 461, 960-963.	27.8	426
7	Epitaxy of semiconductorâ€"superconductor nanowires. Nature Materials, 2015, 14, 400-406.	27.5	381
8	Hard gap in epitaxial semiconductorâ€"superconductor nanowires. Nature Nanotechnology, 2015, 10, 232-236.	31.5	331
9	Quantum transport in carbon nanotubes. Reviews of Modern Physics, 2015, 87, 703-764.	45.6	292
10	Semiconductor-Nanowire-Based Superconducting Qubit. Physical Review Letters, 2015, 115, 127001.	7.8	287
11	A high-mobility two-dimensional electron gas at the spinel/perovskite interface of Î³-Al2O3/SrTiO3. Nature Communications, 2013, 4, 1371.	12.8	285
12	From Andreev to Majorana bound states in hybrid superconductorâ€"semiconductor nanowires. Nature Reviews Physics, 2020, 2, 575-594.	26.6	251
13	Bias and temperature dependence of the 0.7 conductance anomaly in quantum point contacts. Physical Review B, 2000, 62, 10950-10957.	3.2	206
14	Structural Phase Control in Self-Catalyzed Growth of GaAs Nanowires on Silicon (111). Nano Letters, 2010, 10, 4475-4482.	9.1	199
15	Surface-passivated GaAsP single-nanowire solar cells exceeding 10% efficiency grown on silicon. Nature Communications, 2013, 4, 1498.	12.8	192
16	Nonlocality of Majorana modes in hybrid nanowires. Physical Review B, 2018, 98, .	3.2	173
17	Parity lifetime of bound states in a proximitized semiconductor nanowire. Nature Physics, 2015, 11, 1017-1021.	16.7	160
18	Electrical transport measurements on single-walled carbon nanotubes. Applied Physics A: Materials Science and Processing, 1999, 69, 297-304.	2.3	152

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19	Tunneling Spectroscopy of Quasiparticle Bound States in a Spinful Josephson Junction. Physical Review Letters, 2013, 110, 217005.	7.8	151
20	Shell Filling in Closed Single-Wall Carbon Nanotube Quantum Dots. Physical Review Letters, 2002, 89, 046803.	7.8	147
21	Finite-Bias Cooper Pair Splitting. Physical Review Letters, 2011, 107, 136801.	7.8	138
22	Non-equilibrium singletâ€“triplet Kondo effect in carbon nanotubes. Nature Physics, 2006, 2, 460-464.	16.7	134
23	Three-Dimensional Multiple-Order Twinning of Self-Catalyzed GaAs Nanowires on Si Substrates. Nano Letters, 2011, 11, 3827-3832.	9.1	123
24	Gate-dependent spinâ€“orbit coupling in multielectron carbon nanotubes. Nature Physics, 2011, 7, 348-353.	16.7	122
25	Direct Microwave Measurement of Andreev-Bound-State Dynamics in a Semiconductor-Nanowire Josephson Junction. Physical Review Letters, 2018, 121, 047001.	7.8	119
26	Kondo-Enhanced Andreev Tunneling in InAs Nanowire Quantum Dots. Physical Review Letters, 2007, 99, 126603.	7.8	113
27	Observation of the 4Ï€-periodic Josephson effect in indium arsenide nanowires. Nature Communications, 2019, 10, 245.	12.8	113
28	Spectral Statistics of Acoustic Resonances in Aluminum Blocks. Physical Review Letters, 1995, 75, 1546-1549.	7.8	112
29	The 2021 quantum materials roadmap. JPhys Materials, 2020, 3, 042006.	4.2	111
30	Advances in the theory of IIIâ€“V nanowire growth dynamics. Journal Physics D: Applied Physics, 2013, 46, 313001.	2.8	110
31	Symmetry Breaking and Spectral Statistics of Acoustic Resonances in Quartz Blocks. Physical Review Letters, 1996, 77, 4918-4921.	7.8	104
32	Impact of the Liquid Phase Shape on the Structure of III-V Nanowires. Physical Review Letters, 2011, 106, 125505.	7.8	99
33	Magnetoresistance in ferromagnetically contacted single-wall carbon nanotubes. Physical Review B, 2005, 72, .	3.2	98
34	Cell membrane conformation at vertical nanowire array interface revealed by fluorescence imaging. Nanotechnology, 2012, 23, 415102.	2.6	92
35	Giant Fluctuations and Gate Control of the <i>g</i>-Factor in InAs Nanowire Quantum Dots. Nano Letters, 2008, 8, 3932-3935.	9.1	90
36	Gold nanoparticle single-electron transistor with carbon nanotube leads. Applied Physics Letters, 2001, 79, 2106-2108.	3.3	87

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37	Microwave spectroscopy of spinful Andreev bound states in ballistic semiconductor JosephsonÂjunctions. Nature Physics, 2017, 13, 876-881.	16.7	86
38	The photodissociation threshold of NO2: Precise determination of its energy and density of states. Journal of Chemical Physics, 1996, 105, 1287-1290.	3.0	85
39	Junctions in Axial IIIâˆ’V Heterostructure Nanowires Obtained via an Interchange of Group III Elements. Nano Letters, 2009, 9, 3689-3693.	9.1	84
40	Transport Signatures of Quasiparticle Poisoning in a Majorana Island. Physical Review Letters, 2017, 118, 137701.	7.8	84
41	Spin-Orbit Splitting of Andreev States Revealed by Microwave Spectroscopy. Physical Review X, 2019, 9, .	8.9	84
42	Solutionâ€Processed Ultrathin Chemically Derived Graphene Films as Soft Top Contacts for Solidâ€State Molecular Electronic Junctions. Advanced Materials, 2012, 24, 1333-1339.	21.0	82
43	Intact Mammalian Cell Function on Semiconductor Nanowire Arrays: New Perspectives for Cellâ€Based Biosensing. Small, 2011, 7, 640-647.	10.0	79
44	Coherent manipulation of an Andreev spin qubit. Science, 2021, 373, 430-433.	12.6	78
45	Tuning InAs Nanowire Density for HEK293 Cell Viability, Adhesion, and Morphology: Perspectives for Nanowire-Based Biosensors. ACS Applied Materials & Interfaces, 2013, 5, 10510-10519.	8.0	77
46	Charge Trapping in Carbon Nanotube Loops Demonstrated by Electrostatic Force Microscopy. Nano Letters, 2005, 5, 1838-1841.	9.1	75
47	Ferromagnetic Proximity Effect in a Ferromagnetâ€“Quantum-Dotâ€“Superconductor Device. Physical Review Letters, 2010, 104, 246804.	7.8	75
48	Ultrathin Reduced Graphene Oxide Films as Transparent Topâ€Contacts for Light Switchable Solidâ€State Molecular Junctions. Advanced Materials, 2013, 25, 4164-4170.	21.0	75
49	Effective <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>g</mml:mi></mml:math> Factor of Subgap States in Hybrid Nanowires. Physical Review Letters, 2018, 121, 037703.	7.8	74
50	Suppression of three dimensional twinning for a 100% yield of vertical GaAs nanowires on silicon. Nanoscale, 2012, 4, 1486.	5.6	73
51	Currentâ€“phase relations of few-mode InAs nanowire Josephson junctions. Nature Physics, 2017, 13, 1177-1181.	16.7	68
52	Quantum dots in suspended single-wall carbon nanotubes. Applied Physics Letters, 2001, 79, 4216-4218.	3.3	66
53	Kondo physics in tunable semiconductor nanowire quantum dots. Physical Review B, 2006, 74, .	3.2	65
54	Tuning Yu-Shiba-Rusinov states in a quantum dot. Physical Review B, 2016, 94, .	3.2	65

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55	Engineering hybrid epitaxial InAsSb/Al nanowires for stronger topological protection. Physical Review Materials, 2018, 2, .	2.4	65
56	Gatemon Benchmarking and Two-Qubit Operations. Physical Review Letters, 2016, 116, 150505.	7.8	63
57	Evolution of Nanowire Transmon Qubits and Their Coherence in a Magnetic Field. Physical Review Letters, 2018, 120, 100502.	7.8	63
58	Magnetic Field Tuning and Quantum Interference in a Cooper Pair Splitter. Physical Review Letters, 2015, 115, 227003.	7.8	59
59	Doping incorporation paths in catalyst-free Be-doped GaAs nanowires. Applied Physics Letters, 2013, 102, .	3.3	58
60	Specific and reversible immobilization of histidine-tagged proteins on functionalized silicon nanowires. Nanotechnology, 2010, 21, 245105.	2.6	57
61	An Electrically-Driven GaAs Nanowire Surface Plasmon Source. Nano Letters, 2012, 12, 4943-4947.	9.1	57
62	Yuâ€“Shibaâ€“Rusinov screening of spins in double quantum dots. Nature Communications, 2018, 9, 2376.	12.8	55
63	Mapping of individual carbon nanotubes in polymer/nanotube composites using electrostatic force microscopy. Applied Physics Letters, 2007, 90, 183108.	3.3	52
64	Towards a Better Prediction of Cell Settling on Nanostructure Arraysâ€"Simple Means to Complicated Ends. Advanced Functional Materials, 2015, 25, 3246-3255.	14.9	52
65	Epitaxial Pb on InAs nanowires for quantum devices. Nature Nanotechnology, 2021, 16, 776-781.	31.5	52
66	Hybrid Devices from Single Wall Carbon Nanotubes Epitaxially Grown into a Semiconductor Heterostructure. Nano Letters, 2004, 4, 349-352.	9.1	51
67	Electrical tuning of Rashba spin-orbit interaction in multigated InAs nanowires. Physical Review B, 2016, 94, .	3.2	51
68	Shadow Epitaxy for In Situ Growth of Generic Semiconductor/Superconductor Hybrids. Advanced Materials, 2020, 32, e1908411.	21.0	51
69	Normal, superconducting and topological regimes of hybrid double quantum dots. Nature Nanotechnology, 2017, 12, 212-217.	31.5	48
70	Facet structure of GaAs nanowires grown by molecular beam epitaxy. Applied Physics Letters, 2007, 91, 083106.	3.3	47
71	Conduction channels of an InAs-Al nanowire Josephson weak link. New Journal of Physics, 2017, 19, 092002.	2.9	47
72	Superconductivity-enhanced bias spectroscopy in carbon nanotube quantum dots. Physical Review B, 2009, 79, .	3.2	46

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73	<i>In-situ</i> x-ray characterization of wurtzite formation in GaAs nanowires. Applied Physics Letters, 2012, 100, .	3.3	44
74	Local electrical tuning of the nonlocal signals in a Cooper pair splitter. Physical Review B, 2014, 90, .	3.2	44
75	Continuous monitoring of a trapped superconducting spin. Nature Physics, 2020, 16, 1103-1107.	16.7	44
76	Temperature dependence of the â€œ0.7â€•2e2/h quasi-plateau in strongly confined quantum point contacts. Physica B: Condensed Matter, 1998, 249-251, 180-184.	2.7	43
77	Molecular beam epitaxy growth of free-standing plane-parallel InAs nanoplates. Nature Nanotechnology, 2007, 2, 761-764.	31.5	43
78	Anharmonicity of a superconducting qubit with a few-mode Josephson junction. Physical Review B, 2018, 97, .	3.2	42
79	Effects of buffer composition and dilution on nanowire field-effect biosensors. Nanotechnology, 2013, 24, 035501.	2.6	41
80	Experimental determination of adatom diffusion lengths for growth of InAs nanowires. Journal of Crystal Growth, 2013, 364, 16-22.	1.5	41
81	Supercurrent in a Double Quantum Dot. Physical Review Letters, 2018, 121, 257701.	7.8	41
82	Quantifying signal changes in nano-wire based biosensors. Nanoscale, 2011, 3, 706-717.	5.6	37
83	Vertical nanowire arrays as a versatile platform for protein detection and analysis. Nanoscale, 2013, 5, 10226.	5.6	37
84	Predicting and rationalizing the effect of surface charge distribution and orientation on nano-wire based FET bio-sensors. Nanoscale, 2011, 3, 3635.	5.6	35
85	Applications of Nanowire Arrays in Nanomedicine. Journal of Nanoneuroscience, 2009, 1, 3-9.	0.5	35
86	Silver as Seed-Particle Material for GaAs Nanowiresâ€"Dictating Crystal Phase and Growth Direction by Substrate Orientation. Nano Letters, 2016, 16, 2181-2188.	9.1	33
87	Voltage-controlled superconducting quantum bus. Physical Review B, 2019, 99, .	3.2	32
88	Nanoelectromechanical coupling in fullerene peapods probed by resonant electrical transport experiments. Nature Communications, 2010, 1, 37.	12.8	30
89	Influence of the oxide layer for growth of self-assisted InAs nanowires on Si(111). Nanoscale Research Letters, 2011, 6, 516.	5.7	30
90	Controlling interfacial states in amorphous/crystalline LaAlO3/SrTiO3 heterostructures by electric fields. Applied Physics Letters, 2013, 102, .	3.3	29

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91	A Step Closer to Membrane Protein Multiplexed Nanoarrays Using Biotin-Doped Polypyrrole. ACS Nano, 2014, 8, 1844-1853.	14.6	29
92	Growth of InAs Wurtzite Nanocrosses from Hexagonal and Cubic Basis. Nano Letters, 2017, 17, 6090-6096.	9.1	29
93	Sub-Kelvin transport spectroscopy of fullerene peapod quantum dots. Applied Physics Letters, 2006, 89, 233118.	3.3	28
94	Ambipolar transistor behavior in p-doped InAs nanowires grown by molecular beam epitaxy. Applied Physics Letters, 2008, 92, .	3.3	28
95	A Genetic Analysis of Carbonâ€Nanotubeâ€Binding Proteins. Small, 2008, 4, 416-420.	10.0	27
96	Mesoscopic conductance fluctuations in InAs nanowire-based SNS junctions. New Journal of Physics, 2009, 11, 113025.	2.9	27
97	Andreev Molecule in Parallel InAs Nanowires. Nano Letters, 2021, 21, 7929-7937.	9.1	27
98	Nanowire-Aperture Probe: Local Enhanced Fluorescence Detection for the Investigation of Live Cells at the Nanoscale. ACS Photonics, 2016, 3, 1208-1216.	6.6	26
99	Hybrid Nanowire Ion-to-Electron Transducers for Integrated Bioelectronic Circuitry. Nano Letters, 2017, 17, 827-833.	9.1	26
100	Two-impurity Yu-Shiba-Rusinov states in coupled quantum dots. Physical Review B, 2020, 102, .	3.2	25
101	Engineering light absorption in single-nanowire solar cells with metal nanoparticles. New Journal of Physics, 2011, 13, 123026.	2.9	24
102	Magnetic-field-dependent quasiparticle dynamics of nanowire single-Cooper-pair transistors. Physical Review B, 2018, 98, .	3.2	24
103	Transport via coupled states in a<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mtext>C</mml:mtext><mml:mrow><mml:mn>60</mml:mn></mml:mrow><mml:msu quantum dot. Physical Review B, 2010, 81, .	3.2	22
104	Indium arsenide nanowire field-effect transistors for pH and biological sensing. Applied Physics Letters, 2014, 104, .	3.3	22
105	Gigahertz Quantized Charge Pumping in Bottom-Gate-Defined InAs Nanowire Quantum Dots. Nano Letters, 2015, 15, 4585-4590.	9.1	22
106	Modulation of Fluorescence Signals from Biomolecules along Nanowires Due to Interaction of Light with Oriented Nanostructures. Nano Letters, 2015, 15, 176-181.	9.1	22
107	Superconducting vanadium/indium-arsenide hybrid nanowires. Nanotechnology, 2019, 30, 294005.	2.6	22
108	Gate-Dependent Orbital Magnetic Moments in Carbon Nanotubes. Physical Review Letters, 2011, 107, 186802.	7.8	20

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109	A Triptyceneâ€Based Approach to Solubilising Carbon Nanotubes and C₆₀. Chemistry - A European Journal, 2012, 18, 8716-8723.	3.3	20
110	Signatures of Interactions in the Andreev Spectrum of Nanowire Josephson Junctions. Physical Review Letters, 2022, 128, .	7.8	19
111	Probing induced defects in individual carbon nanotubes using electrostatic force microscopy. Applied Physics A: Materials Science and Processing, 2007, 88, 309-313.	2.3	18
112	Morphology and composition of oxidized InAs nanowires studied by combined Raman spectroscopy and transmission electron microscopy. Nanotechnology, 2016, 27, 305704.	2.6	18
113	Correlation between Electrical Transport and Nanoscale Strain in InAs/In_{0.6}Ga_{0.4}As Coreâ€“Shell Nanowires. Nano Letters, 2018, 18, 4949-4956.	9.1	17
114	Large spatial extension of the zero-energy Yuâ€“Shibaâ€“Rusinov state in a magnetic field. Nature Communications, 2020, 11, 1834.	12.8	17
115	Triplet-blockaded Josephson supercurrent in double quantum dots. Physical Review B, 2020, 102, .	3.2	17
116	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.	2.8	15
117	Crystal orientation dependence of the spin-orbit coupling in InAs nanowires. Physical Review B, 2018, 97, .	3.2	15
118	The influence of electro-mechanical effects on resonant electron tunneling through small carbon nano-peapods. New Journal of Physics, 2008, 10, 043043.	2.9	14
119	InAs Nanowire with Epitaxial Aluminum as a Single-Electron Transistor with Fixed Tunnel Barriers. Physical Review Applied, 2016, 6, .	3.8	14
120	Ag-catalyzed InAs nanowires grown on transferable graphite flakes. Nanotechnology, 2016, 27, 365603.	2.6	14
121	Josephson junctions in double nanowires bridged by <i>in-situ</i> deposited superconductors. Physical Review Research, 2021, 3, .	3.6	14
122	Asymmetric Littleâ€“Parks oscillations in full shell double nanowires. Scientific Reports, 2021, 11, 19034.	3.3	14
123	Integration of carbon nanotubes with semiconductor technology: fabrication of hybrid devices by IIIâ€“V molecular beam epitaxy. Semiconductor Science and Technology, 2006, 21, S10-S16.	2.0	13
124	Click Chemistry Mediated Functionalization of Vertical Nanowires for Biological Applications. Chemistry - A European Journal, 2016, 22, 496-500.	3.3	13
125	p-GaAs Nanowire Metalâ€“Semiconductor Field-Effect Transistors with Near-Thermal Limit Gating. Nano Letters, 2018, 18, 5673-5680.	9.1	13
126	Gate-Controlled Supercurrent in Epitaxial Al/InAs Nanowires. Nano Letters, 2021, 21, 9684-9690.	9.1	13

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127	Stages in molecular beam epitaxy growth of GaAs nanowires studied by x-ray diffraction. Nanotechnology, 2010, 21, 115603.	2.6	11
128	In-situ mechanical characterization of wurtzite InAs nanowires. Solid State Communications, 2012, 152, 1829-1833.	1.9	11
129	Annealing of Au, Ag and Auâ€"Ag alloy nanoparticle arrays on GaAs (100) and (111)B. Nanotechnology, 2017, 28, 205702.	2.6	11
130	Observation of spinâ€"orbit coupling induced Weyl points in a two-electron double quantum dot. Communications Physics, 2019, 2, .	5.3	11
131	Excitations in a superconducting Coulombic energy gap. Nature Communications, 2022, 13, 2243.	12.8	11
132	g-factor anisotropy in nanowire-based InAs quantum dots. , 2013, , .		10
133	Noncollinear Spin-Orbit Magnetic Fields in a Carbon Nanotube Double Quantum Dot. Physical Review Letters, 2016, 117, 276802.	7.8	10
134	Magnetic Field Control of the NO2Photodissociation Threshold. Physical Review Letters, 1997, 78, 3093-3096.	7.8	9
135	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.	0.2	9
136	In-line characterization of nanostructured mass-produced polymer components using scatterometry. Journal of Micromechanics and Microengineering, 2017, 27, 085004.	2.6	9
137	Integrated bioelectronic proton-gated logic elements utilizing nanoscale patterned Nafion. Materials Horizons, 2021, 8, 224-233.	12.2	9
138	Double Nanowires for Hybrid Quantum Devices. Advanced Functional Materials, 2022, 32, 2107926.	14.9	9
139	Towards low-dimensional hole systems in Be-doped GaAs nanowires. Nanotechnology, 2017, 28, 134005.	2.6	8
140	High-Quality Reduced Graphene Oxide Electrodes for Sub-Kelvin Studies of Molecular Monolayer Junctions. Journal of Physical Chemistry C, 2018, 122, 25102-25109.	3.1	8
141	The Effect of Bending Deformation on Charge Transport and Electron Effective Mass of pâ€doped GaAs Nanowires. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1900134.	2.4	8
142	Temperature induced shifts of Yuâ€"Shibaâ€"Rusinov resonances in nanowire-based hybrid quantum dots. Communications Physics, 2020, 3, .	5.3	8
143	Nonequilibrium cotunneling through a three-level quantum dot. Physical Review B, 2009, 79, .	3.2	7
144	Probing the spatial electron distribution in InAs nanowires by anisotropic magnetoconductance fluctuations. Physical Review B, 2015, 91, .	3.2	7

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145	Magnetoresistance engineering and singlet/triplet switching in InAs nanowire quantum dots with ferromagnetic sidegates. Physical Review B, 2016, 94, .	3.2	7
146	Tuning the response of non-allowed Raman modes in GaAs nanowires. Journal Physics D: Applied Physics, 2016, 49, 095103.	2.8	7
147	Enhancing the NIR Photocurrent in Single GaAs Nanowires with Radial p-i-n Junctions by Uniaxial Strain. Nano Letters, 2021, 21, 9038-9043.	9.1	7
148	Superconductivity and Parity Preservation in As-Grown In Islands on InAs Nanowires. Nano Letters, 2021, 21, 9875-9881.	9.1	7
149	From Cooper pair splitting to nonlocal spectroscopy of a Shiba state. Physical Review Research, 2022, 4, .	3.6	7
150	Low temperature transport in <i>p</i>-doped InAs nanowires. Applied Physics Letters, 2013, 103, .	3.3	6
151	Wet etch methods for InAs nanowire patterning and self-aligned electrical contacts. Nanotechnology, 2016, 27, 195303.	2.6	6
152	Micro-Raman spectroscopy for the detection of stacking fault density in InAs and GaAs nanowires. Physical Review B, 2017, 96, .	3.2	6
153	Scatterometry for optimization of injection molded nanostructures at the fabrication line. International Journal of Advanced Manufacturing Technology, 2018, 99, 2669-2676.	3.0	6
154	Near-thermal limit gating in heavily doped III-V semiconductor nanowires using polymer electrolytes. Physical Review Materials, 2018, 2, .	2.4	6
155	Replacing libraries in scatterometry. Optics Express, 2018, 26, 34622.	3.4	6
156	Direct transport between superconducting subgap states in a double quantum dot. Physical Review B, 2022, 105, .	3.2	6
157	Electronic Transport in Double-Nanowire Superconducting Islands with Multiple Terminals. Nano Letters, 2022, 22, 5765-5772.	9.1	6
158	Electron Spin in Single Wall Carbon Nanotubes. Physica Scripta, 2002, T102, 22.	2.5	5
159	Tunable double dots and Kondo enhanced Andreev transport in InAs nanowires. Journal of Vacuum Science & Technology B, 2008, 26, 1609.	1.3	5
160	Comparison of gate geometries for tunable, local barriers in InAs nanowires. Journal of Applied Physics, 2012, 112, .	2.5	5
161	A classroom demonstration of reciprocal space. American Journal of Physics, 2013, 81, 274-279.	0.7	5
162	Raman spectroscopy and electrical properties of InAs nanowires with local oxidation enabled by substrate micro-trenches and laser irradiation. Applied Physics Letters, 2015, 107, .	3.3	5

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163	Understanding GaAs Nanowire Growth in the Agâ€“Au Seed Materials System. Crystal Growth and Design, 2018, 18, 6702-6712.	3.0	5
164	Broadband microwave spectroscopy of semiconductor nanowire-based Cooper-pair transistors. Physical Review B, 2019, 99, .	3.2	5
165	An STM â€“ SEM setup for characterizing photon and electron induced effects in single photovoltaic nanowires. Nano Energy, 2018, 53, 175-181.	16.0	4
166	Single-wall carbon nanotube devices prepared by chemical vapor deposition. AIP Conference Proceedings, 2000, , .	0.4	3
167	Quantum point contacts formed in GaAs/GaAlAs heterostructures by shallow etching and overgrowth. Solid-State Electronics, 1998, 42, 1103-1107.	1.4	2
168	Integration of Carbon Nanotubes with Semiconductor Technology by Epitaxial Encapsulation. AIP Conference Proceedings, 2004, , .	0.4	2
169	Study on Microgratings Using Imaging, Spectroscopic, and Fourier Lens Scatterometry. Journal of Micro and Nano-Manufacturing, 2017, 5, .	0.7	2
170	Coupling between Electronic and Vibrational Excitations in Carbon Nanotubes Filled with C₆₀Fullerenes. Acta Physica Polonica A, 2011, 120, 839-841.	0.5	2
171	One-dimensional transport in bundles of single-walled carbon nanotubes. , 1999, , .		1
172	The Effect of Bending Deformation on Charge Transport and Electron Effective Mass of pâ€doped GaAs Nanowires. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1970033.	2.4	1
173	SINGLE-WALL CARBON NANOTUBES WITH FERROMAGNETIC ELECTRODES. , 2003, , .		1
174	Scalable Platform for Nanocrystalâ€Based Quantum Electronics. Advanced Functional Materials, 0, , 2112941.	14.9	1
175	Single Wall Carbon Nanotubes in Epitaxial Grown Semiconductor Heterostructures. AIP Conference Proceedings, 2005, , .	0.4	0
176	Characterization of Carbon Nanotubes on Insulating Substrates using Electrostatic Force Microscopy. AIP Conference Proceedings, 2005, , .	0.4	0
177	Old nanotubes, new tricks. Nature Physics, 2008, 4, 266-267.	16.7	0
178	Nanowire Arrays: Intact Mammalian Cell Function on Semiconductor Nanowire Arrays: New Perspectives for Cell-Based Biosensing (Small 1/2011). Small, 2011, 7, 550-550.	10.0	0
179	Coupling of shells in a carbon nanotube quantum dot. Physical Review B, 2019, 99, .	3.2	0
180	Shadow Epitaxy: Shadow Epitaxy for In Situ Growth of Generic Semiconductor/Superconductor Hybrids (Adv. Mater. 23/2020). Advanced Materials, 2020, 32, 2070179.	21.0	0

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181	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.	0.8	0
182	Optical metrology for nanowires grown with molecular beam epitaxy. , 2020, , .		0