

# David A Ritchie

## List of Publications by Year in descending order

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1,493  
papers

41,107  
citations

5126

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156  
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1511  
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1511  
docs citations

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times ranked

19484  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrically Controllable Kondo Correlation in Spin-Orbit-Coupled Quantum Point Contacts. <i>Physical Review Letters</i> , 2022, 128, 027701.	2.9	8
2	Spatial coherence of electrically pumped random terahertz lasers. <i>Photonics Research</i> , 2022, 10, 524.	3.4	3
3	Giant Magnetoresistance in a Chemical Vapor Deposition Graphene Constriction. <i>ACS Nano</i> , 2022, , .	7.3	0
4	Effects of biased and unbiased illuminations on two-dimensional electron gases in dopant-free GaAs/AlGaAs. <i>Physical Review B</i> , 2022, 105, .	1.1	2
5	Cooling low-dimensional electron systems into the microkelvin regime. <i>Nature Communications</i> , 2022, 13, 667.	5.8	7
6	Extracting quantitative dielectric properties from pump-probe spectroscopy. <i>Nature Communications</i> , 2022, 13, 1437.	5.8	16
7	An in-plane photoelectric effect in two-dimensional electron systems for terahertz detection. <i>Science Advances</i> , 2022, 8, eabi8398.	4.7	16
8	Independent Control of Mode Selection and Power Extraction in Terahertz Semiconductor Lasers. <i>ACS Photonics</i> , 2022, 9, 1973-1983.	3.2	1
9	Active Terahertz Modulator and Slow Light Metamaterial Devices with Hybrid Graphene-superconductor Coupled Split-ring Resonator Arrays. , 2022, , .		1
10	Gate voltage dependent Rashba spin splitting in hole transverse magnetic focusing. <i>Physical Review B</i> , 2022, 105, .	1.1	6
11	Observing separate spin and charge Fermi seas in a strongly correlated one-dimensional conductor. <i>Science Advances</i> , 2022, 8, .	4.7	4
12	New signatures of the spin gap in quantum point contacts. <i>Nature Communications</i> , 2021, 12, 5.	5.8	6
13	Coherence in single photon emission from droplet epitaxy and Stranski-Krastanov quantum dots in the telecom C-band. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	34
14	Self-mixing interferometry and near-field nanoscopy in quantum cascade random lasers at terahertz frequencies. <i>Nanophotonics</i> , 2021, 10, 1495-1503.	2.9	14
15	Engineering electron wavefunctions in asymmetrically confined quasi one-dimensional structures. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	6
16	Microscopic metallic air-bridge arrays for connecting quantum devices. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	7
17	Evaluation of the impact of the European Code against Cancer on awareness and attitudes towards cancer prevention at the population and health promotersâ€™ levels. <i>Cancer Epidemiology</i> , 2021, 71, 101898.	0.8	10
18	Ballistic Hall Photovoltammetry of Magnetic Resonance in Individual Nanomagnets. <i>Physical Review Letters</i> , 2021, 126, 207701.	2.9	1

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19	Terahertz Near-field Nanoscopy Based on Self-mixing Interferometry with Quantum Cascade Resonators. , 2021, , .		0
20	Millimeter-Wave-to-Terahertz Superconducting Plasmonic Waveguides for Integrated Nanophotonics at Cryogenic Temperatures. Materials, 2021, 14, 4291.	1.3	3
21	High electron mobility and low noise quantum point contacts in an ultra-shallow all-epitaxial metal gate GaAs/Al <sub>x</sub> Ga <sub>1-x</sub> As heterostructure. Applied Physics Letters, 2021, 119, 063105.	1.5	2
22	Geometric Control of Universal Hydrodynamic Flow in a Two-Dimensional Electron Fluid. Physical Review X, 2021, 11, .	2.8	29
23	Continuous wave vertical emission from terahertz microcavity lasers with a dual injection scheme. Optics Express, 2021, 29, 33602.	1.7	0
24	Graphene-based External Optoelectronic Terahertz Modulators for High Speed Wireless Communications. , 2021, , .		2
25	Single-electron pump with highly controllable plateaus. Applied Physics Letters, 2021, 119, .	1.5	2
26	Exciton-polaritons in GaAs-based slab waveguide photonic crystals. Applied Physics Letters, 2021, 119, 181101.	1.5	3
27	Active Terahertz Modulator and Slow Light Metamaterial Devices with Hybrid Graphene-Superconductor Photonic Integrated Circuits. Nanomaterials, 2021, 11, 2999.	1.9	19
28	Texture and terahertz analysis of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> grown onto LaAlO <sub>3</sub> by the chemical solution deposition technique. Heat Treatment and Surface Engineering, 2021, 3, 1-8.	0.4	0
29	Quantum Light Emitting Diodes and their Applications. , 2021, , .		0
30	Directly Comparing the Current from Two Electron Pumps. , 2020, , .		1
31	Hall resistance anomalies in the integer and fractional quantum Hall regime. Physical Review B, 2020, 102, .	1.1	2
32	Superconductivity in AuNiGe Ohmic contacts to a GaAs-based high mobility two-dimensional electron gas. Applied Physics Letters, 2020, 117, 162104.	1.5	3
33	Nonlinear spin filter for nonmagnetic materials at zero magnetic field. Physical Review B, 2020, 102, .	1.1	2
34	Active metamaterial polarization modulators for the Terahertz frequency range. Journal of Physics: Conference Series, 2020, 1571, 012003.	0.3	1
35	A tuneable telecom wavelength entangled light emitting diode deployed in an installed fibre network. Communications Physics, 2020, 3, .	2.0	20
36	Improving reproducibility of quantum devices with completely undoped architectures. Applied Physics Letters, 2020, 117, .	1.5	5

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37	High-Throughput Electrical Characterization of Nanomaterials from Room to Cryogenic Temperatures. ACS Nano, 2020, 14, 15293-15305.	7.3	5
38	A Terahertz Chiral Metamaterial Modulator. Advanced Optical Materials, 2020, 8, 2000581.	3.6	46
39	External cavity terahertz quantum cascade laser with a metamaterial/graphene optoelectronic mirror. Applied Physics Letters, 2020, 117, .	1.5	13
40	Photovoltage detection of spin excitation of a ferromagnetic stripe and disk at low temperature. Japanese Journal of Applied Physics, 2020, 59, SEED02.	0.8	1
41	The relationship between the three-dimensional structure of porous GaN distributed Bragg reflectors and their birefringence. Journal of Applied Physics, 2020, 127, .	1.1	9
42	Gigahertz-Clocked Teleportation of Time-Bin Qubits with a Quantum Dot in the Telecommunication $C$ Band. Physical Review Applied, 2020, 13, .	1.5	25
43	One-dimensional, surface emitting, disordered Terahertz lasers. APL Photonics, 2020, 5, 036102.	3.0	5
44	Suspended two-dimensional electron gases in In <sub>0.75</sub> Ga <sub>0.25</sub> As quantum wells. Applied Physics Letters, 2020, 116, 232106.	1.5	1
45	Sensitive radiofrequency readout of quantum dots using an ultra-low-noise SQUID amplifier. Journal of Applied Physics, 2020, 127, .	1.1	15
46	Single-photon emission from single-electron transport in a SAW-driven lateral light-emitting diode. Nature Communications, 2020, 11, 917.	5.8	28
47	Demonstration of electron focusing using electronic lenses in low-dimensional system. Scientific Reports, 2020, 10, 2593.	1.6	4
48	Integrated, Portable, Tunable, and Coherent Terahertz Sources and Sensitive Detectors Based on Layered Superconductors. Proceedings of the IEEE, 2020, 108, 721-734.	16.4	50
49	Quantum teleportation using highly coherent emission from telecom C-band quantum dots. Npj Quantum Information, 2020, 6, .	2.8	66
50	Highly efficient surface-emitting semiconductor lasers exploiting quasi-crystalline distributed feedback photonic patterns. Light: Science and Applications, 2020, 9, 54.	7.7	16
51	A general approach for hysteresis-free, operationally stable metal halide perovskite field-effect transistors. Science Advances, 2020, 6, eaaz4948.	4.7	129
52	X-ray atomic mapping of quantum dots. Physical Review Materials, 2020, 4, .	0.9	3
53	Active reset of a radiative cascade for entangled-photon generation beyond the continuous-driving limit. Physical Review Research, 2020, 2, .	1.3	5
54	1GHz clocked distribution of electrically generated entangled photon pairs. Optics Express, 2020, 28, 36838.	1.7	11

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55	Double Layer Active Terahertz Chiral Metamaterial/graphene Modulators. , 2020, , .		0
56	Operation of semiconductor telecom entangled photon sources over installed fiber networks. , 2020, , .		0
57	Highly efficient one-dimensional quasi-crystalline THz semiconductor lasers. , 2020, , .		0
58	Scalable Quantum Integrated Circuits on Superconducting Two-Dimensional Electron Gas Platform. Journal of Visualized Experiments, 2019, , .	0.2	2
59	Andreev reflections and magnetotransport in 2D Josephson junctions. Journal of Physics: Conference Series, 2019, 1182, 012010.	0.3	0
60	Pulse control protocols for preserving coherence in dipolar-coupled nuclear spin baths. Nature Communications, 2019, 10, 3157.	5.8	15
61	Momentum-dependent power law measured in an interacting quantum wire beyond the Luttinger limit. Nature Communications, 2019, 10, 2821.	5.8	13
62	Formation of a non-magnetic, odd-denominator fractional quantized conductance in a quasi-one-dimensional electron system. Applied Physics Letters, 2019, 115, 123104.	1.5	5
63	Line-defect photonic crystal terahertz quantum cascade laser. Journal of Applied Physics, 2019, 126, .	1.1	2
64	Thermoelectric property of a one dimensional channel in the presence of a transverse magnetic field. Applied Physics Letters, 2019, 115, 202102.	1.5	1
65	Metamaterial/graphene active terahertz modulators. , 2019, , .		1
66	Experimental Realization of a Quantum Dot Energy Harvester. Physical Review Letters, 2019, 123, 117701.	2.9	69
67	A Josephson relation for fractionally charged anyons. Science, 2019, 363, 846-849.	6.0	40
68	Graphene-Integrated Metamaterial Device for All-Electrical Polarization Control of Terahertz Quantum Cascade Lasers. ACS Photonics, 2019, 6, 1547-1555.	3.2	45
69	A quantum dot as a source of time-bin entangled multi-photon states. Quantum Science and Technology, 2019, 4, 025011.	2.6	22
70	Frequency-tunable continuous-wave random lasers at terahertz frequencies. Light: Science and Applications, 2019, 8, 43.	7.7	33
71	Orientation of hole quantum Hall nematic phases in an out-of-plane electric field. Physical Review B, 2019, 99, .	1.1	3
72	Zero-Magnetic Field Fractional Quantum States. Physical Review Letters, 2019, 122, 086803.	2.9	20

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73	Thickness dependence of electron-electron interactions in topological junctions. Physical Review B, 2019, 99, .		
74	Long-term transmission of entangled photons from a single quantum dot over deployed fiber. Scientific Reports, 2019, 9, 4111.	1.6	18
75	Continuous-variable tomography of solitary electrons. Nature Communications, 2019, 10, 5298.	5.8	29
76	Quantized charge transport driven by a surface acoustic wave in induced unipolar and bipolar junctions. Physical Review B, 2019, 100, .	1.1	10
77	Spatiotemporal continuum generation in polariton waveguides. Light: Science and Applications, 2019, 8, 6.	7.7	16
78	Conductance quantisation in patterned gate In <sub>0.75</sub> Ga <sub>0.25</sub> As structures up to $6\pi^2 e^2/h$ . Journal of Physics Condensed Matter, 2019, 31, 104002.	0.7	1
79	Amplification of nonlinear polariton pulses in waveguides. Optics Express, 2019, 27, 10692.	1.7	2
80	Quantum teleportation using coherent emission from telecom C-band quantum dots. , 2019, , .		0
81	Entangled photon transmission from a quantum dot over loop-back fiber in Cambridge network. , 2019, , .		0
82	Temperature dependence of the ferromagnetic response in Cr <sub>x</sub> Sb <sub>2-x</sub> Te <sub>3</sub> topological insulator thin films investigated using terahertz spectroscopy and magneto-transport.. , 2019, , .		0
83	Aperiodic photonic architectures for high-power distributed feedback THz quantum cascade lasers. , 2019, , .		0
84	High mobility In <sub>0.75</sub> Ga <sub>0.25</sub> As quantum wells in an InAs phonon lattice. Journal of Physics Condensed Matter, 2018, 30, 105705.	0.7	1
85	Cavity assisted spin reconfiguration in a quantum wire. Journal of Physics: Conference Series, 2018, 964, 012003.	0.3	0
86	A quantum light-emitting diode for the standard telecom window around 1,550 nm. Nature Communications, 2018, 9, 862.	5.8	119
87	Multi-dimensional photonic states from a quantum dot. Quantum Science and Technology, 2018, 3, 024008.	2.6	11
88	Engineering the spin polarization of one-dimensional electrons. Journal of Physics Condensed Matter, 2018, 30, 08LT01.	0.7	10
89	Coherent Spin Amplification Using a Beam Splitter. Physical Review Letters, 2018, 120, 137701.	2.9	6
90	On-chip Hybrid Superconducting-Semiconducting Quantum Circuit. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.1	7

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91	Continuous-wave highly-efficient low-divergence terahertz wire lasers. Nature Communications, 2018, 9, 1122.	5.8	30
92	Proximity induced superconductivity in indium gallium arsenide quantum wells. Journal of Magnetism and Magnetic Materials, 2018, 459, 282-284.	1.0	11
93	All-integrated terahertz modulators. Nanophotonics, 2018, 7, 127-144.	2.9	72
94	Graphene Conductivity Mapping using Terahertz Time-Domain Reflection Spectroscopy. , 2018, , .		0
95	Single-Hot-Electron Wave Packets for Quantum Electrical Metrology. , 2018, , .		0
96	Systematic Study of Ferromagnetism in CrxSb2âˆ™xTe3 Topological Insulator Thin Films using Electrical and Optical Techniques. Scientific Reports, 2018, 8, 17024.	1.6	12
97	Continuous-wave Highly Efficient Low-Divergence Terahertz Wire Lasers. , 2018, , .		0
98	Design and fabrication of InAs/GaAs QD based intermediate band solar cells by quantum engineering. , 2018, , .		3
99	LO-Phonon Emission Rate of Hot Electrons from an On-Demand Single-Electron Source in a GaAs/AlGaAs Heterostructure. Physical Review Letters, 2018, 121, 137703.	2.9	27
100	Direct observation of spin polarization in GaAs quantum wires by transverse electron focusing. Journal of Physics: Conference Series, 2018, 964, 012002.	0.3	5
101	Imaging the Zigzag Wigner Crystal in Confinement-Tunable Quantum Wires. Physical Review Letters, 2018, 121, 106801.	2.9	20
102	Active Frequency Modulation of Metamaterial/Graphene Optoelectronic Device Using Coupled Resonators. , 2018, , .		0
103	Amplitude Stabilization of a Terahertz Quantum Cascade Laser with an External Metamaterial Amplitude Modulator. , 2018, , .		0
104	Magneto-resistance in an electronic cavity coupled to one-dimensional systems. Applied Physics Letters, 2018, 113, 112101.	1.5	2
105	Correlating Photoluminescence and Structural Properties of Uncapped and GaAs-Capped Epitaxial InGaAs Quantum Dots. Scientific Reports, 2018, 8, 7514.	1.6	11
106	Independent indistinguishable quantum light sources on a reconfigurable photonic integrated circuit. Applied Physics Letters, 2018, 112, .	1.5	31
107	Experimental verification of electrostatic boundary conditions in gate-patterned quantum devices. Journal Physics D: Applied Physics, 2018, 51, 244004.	1.3	6
108	Amplitude stabilization and active control of a terahertz quantum cascade laser with a graphene loaded split-ring-resonator array. Applied Physics Letters, 2018, 112, .	1.5	12

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109	Controllable Photonic Time-Bin Qubits from a Quantum Dot. <i>Physical Review X</i> , 2018, 8, .	2.8	10
110	Incipient singlet-triplet states in a hybrid mesoscopic system. <i>Physical Review B</i> , 2018, 97, .	1.1	2
111	Formation of a macroscopically occupied polariton state in a tunable open-access microcavity under resonant excitation. <i>Journal of Applied Physics</i> , 2018, 124, .	1.1	3
112	Photovoltage detection of Damon-Eshbach and dipolar edge spin waves of nanomagnets with two-dimensional electron gas system. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 09TF01.	0.8	1
113	Active Control of Electromagnetically Induced Transparency in a Terahertz Metamaterial Array with Graphene for Continuous Resonance Frequency Tuning. <i>Advanced Optical Materials</i> , 2018, 6, 1800570.	3.6	85
114	Electrical Control of the Zeeman Spin Splitting in Two-Dimensional Hole Systems. <i>Physical Review Letters</i> , 2018, 121, 077701.	2.9	27
115	Graphene-loaded metal wire grating for deep and broadband THz modulation in total internal reflection geometry. <i>Photonics Research</i> , 2018, 6, 1151.	3.4	20
116	THz carrier dynamics and magnetotransport study of topological surface states in thin film Bi <sub>2</sub> Se <sub>3</sub> . , 2018, , .		0
117	Metamaterial/graphene amplitude and frequency modulators for the active control of terahertz quantum cascade lasers. , 2018, , .		0
118	Using Transmissive Photonic Band Edge Shift to Detect Explosives: A Study with 2,4,6-Trinitrotoluene (TNT). <i>ACS Photonics</i> , 2017, 4, 384-395.	3.2	8
119	Temperature evolution of topological surface states in Bi <sub>2</sub> Se <sub>3</sub> thin films studied using terahertz spectroscopy. <i>Proceedings of SPIE</i> , 2017, , .	0.8	0
120	A complete laboratory for transport studies of electron-hole interactions in GaAs/AlGaAs ambipolar bilayers. <i>Applied Physics Letters</i> , 2017, 110, 072105.	1.5	9
121	Electrically driven and electrically tunable quantum light sources. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	25
122	Growth scheme for quantum dots with low fine structure splitting at telecom wavelengths (Conference Presentation). , 2017, , .		0
123	Reappearance of linear hole transport in an ambipolar undoped GaAs/AlGaAs quantum well. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 185302.	0.7	0
124	Bolometric detection of terahertz quantum cascade laser radiation with graphene-plasmonic antenna arrays. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 174001.	1.3	22
125	Mechanically robust cylindrical metal terahertz waveguides for cryogenic applications. , 2017, , .		0
126	Fano resonance in a cavity-reflector hybrid system. <i>Physical Review B</i> , 2017, 95, .	1.1	11



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127	Probing the Topological Surface State in Bi <sub>2</sub> Se <sub>3</sub> Thin Films Using Temperature-Dependent Terahertz Spectroscopy. ACS Photonics, 2017, 4, 2711-2718.	3.2	24
128	Continuous-wave laser operation of a dipole antenna terahertz microresonator. Light: Science and Applications, 2017, 6, e17054-e17054.	7.7	12
129	Quantum Engineering of InAs/GaAs Quantum Dot Based Intermediate Band Solar Cells. ACS Photonics, 2017, 4, 2745-2750.	3.2	64
130	External amplitude and frequency modulation of a terahertz quantum cascade laser using metamaterial/graphene devices. Scientific Reports, 2017, 7, 7657.	1.6	27
131	Interference Effects in a Tunable Quantum Point Contact Integrated with an Electronic Cavity. Physical Review Applied, 2017, 8, .	1.5	9
132	Ultrafast voltage sampling using single-electron wavepackets. Applied Physics Letters, 2017, 110, .	1.5	29
133	Partial hybridisation of electron-hole states in an InAs/GaSb double quantum well heterostructure. Semiconductor Science and Technology, 2017, 32, 104002.	1.0	3
134	Terahertz Nanoscopy of Plasmonic Resonances with a Quantum Cascade Laser. ACS Photonics, 2017, 4, 2150-2157.	3.2	44
135	Dark Solitons in High Velocity Waveguide Polariton Fluids. Physical Review Letters, 2017, 119, 097403.	2.9	61
136	Disentangling surface and bulk transport in topological-insulator junctions. Physical Review B, 2017, 96, .	1.5	15
137	Mechanisms for Strong Anisotropy of In-Plane $g$ -Factors in Hole Based Quantum Point Contacts. Physical Review Letters, 2017, 119, 116803.	2.9	18
138	Contactless graphene conductivity mapping on a wide range of substrates with terahertz time-domain reflection spectroscopy. Scientific Reports, 2017, 7, 10625.	1.6	35
139	Controlled spatial separation of spins and coherent dynamics in spin-orbit-coupled nanostructures. Nature Communications, 2017, 8, 15997.	5.8	21
140	Crossover between magnetic and electric edges in quantum Hall systems. Physical Review B, 2017, 96, .	1.1	3
141	Properties of GaN nanowires with Sc <sub>x</sub> Ga <sub>1-x</sub> N insertion. Physica Status Solidi (B): Basic Research, 2017, 254, 1600740.	0.7	0
142	Universal Growth Scheme for Quantum Dots with Low Fine-Structure Splitting at Various Emission Wavelengths. Physical Review Applied, 2017, 8, .	1.5	53
143	Quantum-Dot-Based Telecommunication-Wavelength Quantum Relay. Physical Review Applied, 2017, 8, .	1.5	29
144	Direct observation of exchange-driven spin interactions in one-dimensional system. Applied Physics Letters, 2017, 111, 042107.	1.5	12

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145	On-Chip Andreev Devices: Hard Superconducting Gap and Quantum Transport in Ballistic Nb <sub>0.75</sub> Ga <sub>0.25</sub> As Quantum Well Nb Josephson Junctions. <i>Advanced Materials</i> , 2017, 29, 1701836.	11.1	18
146	Optical side-band generation in THz Fabry-Perot laser cavities. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	1
147	Surface acoustic wave modulation of a coherently driven quantum dot in a pillar microcavity. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	25
148	High Open-Circuit Voltages in Tin-Rich Low-Bandgap Perovskite-Based Planar Heterojunction Photovoltaics. <i>Advanced Materials</i> , 2017, 29, 1604744.	11.1	212
149	Landau-level mixing, floating-up extended states, and scaling behavior in a GaAs-based two-dimensional electron system containing self-assembled InAs dots. <i>Semiconductor Science and Technology</i> , 2017, 32, 085011.	1.0	0
150	Growth scheme for quantum dots with low fine structure splitting at telecom wavelengths. , 2017, , .		0
151	Coherent detection of THz laser signals in optical fiber systems. <i>Optics Express</i> , 2017, 25, 25566.	1.7	2
152	Structure and Thermoelectric Properties of Bi <sub>2</sub> xSbxTe <sub>3</sub> Nanowires Grown in Flexible Nanoporous Polycarbonate Templates. <i>Materials</i> , 2017, 10, 553.	1.3	18
153	Temperature Dependence of Spin-Split Peaks in Transverse Electron Focusing. <i>Nanoscale Research Letters</i> , 2017, 12, 553.	3.1	9
154	100 % Amplitude modulation of an external cavity terahertz QCL using an optoelectronic chopper based on metamaterials and graphene. , 2017, , .		1
155	Coherent Quantum Transport in Hybrid Superconductor-2DEG-Superconductor Planar Josephson Junctions. , 2017, , .		0
156	Telecom-Wavelength Quantum Relay Using a Semiconductor Quantum Dot. , 2017, , .		3
157	Towards systematic evaluation of the European Code Against Cancer. Dissemination of the Code in Poland. <i>Journal of Health Inequalities</i> , 2017, 3, 162-166.	0.1	3
158	Optoelectronic Control of an External Cavity Quantum Cascade Laser Using a Graphene Loaded Metamaterial Array. , 2017, , .		0
159	Cavity-enhanced coherent quantum emitters. , 2017, , .		0
160	Terahertz quantum cascade dipole-antenna vertically emitting continuous wave laser. , 2017, , .		0
161	Non-invasive charge detection in surface-acoustic-wave-defined dynamic quantum dots. <i>Applied Physics Letters</i> , 2016, 109, 183501.	1.5	0
162	Improved Tuning Fork for Terahertz Quartz-Enhanced Photoacoustic Spectroscopy. <i>Sensors</i> , 2016, 16, 439.	2.1	59

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163	Investigation of hollow cylindrical metal terahertz waveguides suitable for cryogenic environments. Optics Express, 2016, 24, 30002.	1.7	19
164	N-type ohmic contacts to undoped GaAs/AlGaAs quantum wells using only front-sided processing: application to ambipolar FETs. Semiconductor Science and Technology, 2016, 31, 065013.	1.0	8
165	Anisotropic Pauli Spin Blockade of Holes in a GaAs Double Quantum Dot. Nano Letters, 2016, 16, 7685-7689.	4.5	47
166	Switching between attractive and repulsive Coulomb-interaction-mediated drag in an ambipolar GaAs/AlGaAs bilayer device. Applied Physics Letters, 2016, 108, .	1.5	14
167	Enhanced indistinguishability of in-plane single photons by resonance fluorescence on an integrated quantum dot. Applied Physics Letters, 2016, 109, 151112.	1.5	16
168	Universality of the tunable-barrier electron pump at the part-per-million level. , 2016, , .		0
169	High-resolution error detection in the capture process of a single-electron pump. Applied Physics Letters, 2016, 108, 023502.	1.5	15
170	Resonance fluorescence from a telecom-wavelength quantum dot. Applied Physics Letters, 2016, 109, .	1.5	17
171	Graphene based plasmonic terahertz amplitude modulator operating above 100%MHz. Applied Physics Letters, 2016, 108, .	1.5	83
172	Integrating THz quantum cascade lasers with flexible dielectric-lined hollow metallic waveguides: Moving beyond free space optics. , 2016, , .		0
173	Spin-Dependent Transport in Fe/GaAs(100)/Fe Vertical Spin-Valves. Scientific Reports, 2016, 6, 29845.	1.6	12
174	Cavity-enhanced coherent light scattering from a quantum dot. Science Advances, 2016, 2, e1501256.	4.7	50
175	An entangled-LED-driven quantum relay over 1%km. Npj Quantum Information, 2016, 2, .	2.8	33
176	Topological states and phase transitions in Sb2Te3-GeTe multilayers. Scientific Reports, 2016, 6, 27716.	1.6	23
177	InGaAs spin light emitting diodes measured in the Faraday and oblique Hanle geometries. Journal Physics D: Applied Physics, 2016, 49, 165103.	1.3	3
178	Fast terahertz optoelectronic amplitude modulator based on plasmonic metamaterial antenna arrays and graphene. Proceedings of SPIE, 2016, , .	0.8	2
179	“Metal”-like transport in high-resistance, high aspect ratio two-dimensional electron gases. Journal of Physics Condensed Matter, 2016, 28, 01LT01.	0.7	3
180	Thermoelectric and electrical transport in mesoscopic two-dimensional electron gases. Comptes Rendus Physique, 2016, 17, 1123-1129.	0.3	3

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181	Ultra-low-power polariton solitons in semiconductor waveguides and microcavities. , 2016, , .		0
182	Fast Room-Temperature Detection of Terahertz Quantum Cascade Lasers with Graphene-Loaded Bow-Tie Plasmonic Antenna Arrays. ACS Photonics, 2016, 3, 1747-1753.	3.2	42
183	Valence band offsets of Sc <sub>x</sub> Ga <sub>1-x</sub> N/AlN and Sc <sub>x</sub> Ga <sub>1-x</sub> N/GaN heterojunctions. Journal Physics D: Applied Physics, 2016, 49, 265110.	1.3	6
184	Composition measurement of epitaxial Sc <sub>x</sub> Ga <sub>1-x</sub> N films. Semiconductor Science and Technology, 2016, 31, 064002.	1.0	3
185	Sensitive Radio-Frequency Measurements of a Quantum Dot by Tuning to Perfect Impedance Matching. Physical Review Applied, 2016, 5, .	1.5	44
186	Effect of Split Gate Size on the Electrostatic Potential and 0.7 Anomaly within Quantum Wires on a Modulation-Doped GaAs/AlGaAs Quantum Wires on a Physical Review Applied, 2016, 5, .	1.5	8
187	Nature of the many-body excitations in a quantum wire: Theory and experiment. Physical Review B, 2016, 93, .	1.1	13
188	Ramsey interference in a multilevel quantum system. Physical Review B, 2016, 93, .	1.1	3
189	Publisher's Note: Nature of the many-body excitations in a quantum wire: Theory and experiment [Phys. Rev. B 93, 075147 (2016)]. Physical Review B, 2016, 93, .	1.1	0
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