David A Ritchie

List of Publications by Citations

1,289 papers	34,694 citations	78 h-index	142 g-index
1,511 ext. papers	38,589 ext. citations	4.3 avg, IF	6.74 L-index

#	Paper	IF	Citations
1289	Terahertz semiconductor-heterostructure laser. *Nature*, **2002**, 417, 156-9	50.4	1932
1288	One-dimensional transport and the quantisation of the ballistic resistance. *Journal of Physics C: Solid State Physics*, **1988**, 21, L209-L214		1779
1287	Electrically driven single-photon source. *Science*, **2002**, 295, 102-5	33.3	934
1286	A semiconductor source of triggered entangled photon pairs. *Nature*, **2006**, 439, 179-82	50.4	707
1285	Possible Spin Polarization in a One-Dimensional Electron Gas. *Physical Review Letters*, **1996**, 77, 135-138	7.4	608
1284	Measurements of Coulomb blockade with a noninvasive voltage probe. *Physical Review Letters*, **1993**, 70, 1311-1314	7.4	489
1283	Gigahertz quantized charge pumping. *Nature Physics*, **2007**, 3, 343-347	16.2	308
1282	An entangled-light-emitting diode. *Nature*, **2010**, 465, 594-7	50.4	251
1281	Electrically pumped photonic-crystal terahertz lasers controlled by boundary conditions. *Nature*, **2009**, 457, 174-8	50.4	244
1280	High-frequency single-electron transport in a quasi-one-dimensional GaAs channel induced by surface acoustic waves. *Journal of Physics Condensed Matter*, **1996**, 8, L531-9	1.8	228
1279	Two-photon interference of the emission from electrically tunable remote quantum dots. *Nature Photonics*, **2010**, 4, 632-635	33.9	227
1278	Metal-Insulator Transition at B=0 in a Dilute Two Dimensional GaAs-AlGaAs Hole Gas. *Physical Review Letters*, **1998**, 80, 1292-1295	7.4	219
1277	Interaction effects in a one-dimensional constriction. *Physical Review B*, **1998**, 58, 4846-4852	3.3	209
1276	On-demand single-electron transfer between distant quantum dots. *Nature*, **2011**, 477, 439-42	50.4	208
1275	Improved fidelity of triggered entangled photons from single quantum dots. *New Journal of Physics* , **2006**, 8, 29-29	2.9	208
1274	All-electric all-semiconductor spin field-effect transistors. *Nature Nanotechnology*, **2015**, 10, 35-9	28.7	206
1273	THz and sub-THz quantum cascade lasers. *Laser and Photonics Reviews*, **2009**, 3, 45-66	8.3	200

1272	Single-electron transport in a one-dimensional channel by high-frequency surface acoustic waves. *Physical Review B*, **1997**, 56, 15180-15184	3.3	198
1271	Far-infrared (□?87 □h) bound-to-continuum quantum-cascade lasers operating up to 90 K. *Applied Physics Letters*, **2003**, 82, 3165-3167	3.4	184
1270	Spin-valve effects in a semiconductor field-effect transistor: A spintronic device. *Physical Review B*, **1999**, 60, 7764-7767	3.3	183
1269	2.9THz quantum cascade lasers operating up to 70K in continuous wave. *Applied Physics Letters*, **2004**, 85, 1674-1676	3.4	180
1268	Electric-field-induced coherent coupling of the exciton states in a single quantum dot. *Nature Physics*, **2010**, 6, 947-950	16.2	167
1267	High Open-Circuit Voltages in Tin-Rich Low-Bandgap Perovskite-Based Planar Heterojunction Photovoltaics. *Advanced Materials*, **2017**, 29, 1604744	24	166
1266	Low-threshold terahertz quantum-cascade lasers. *Applied Physics Letters*, **2002**, 81, 1381-1383	3.4	166
1265	Probing spin-charge separation in a Tomonaga-Luttinger liquid. *Science*, **2009**, 325, 597-601	33.3	162
1264	Evolution of half plateaus as a function of electric field in a ballistic quasi-one-dimensional constriction. *Physical Review B*, **1991**, 44, 13549-13555	3.3	161
1263	Towards a quantum representation of the ampere using single electron pumps. *Nature Communications*, **2012**, 3, 930	17.4	160
1262	Terahertz range quantum well infrared photodetector. *Applied Physics Letters*, **2004**, 84, 475-477	3.4	160
1261	Inversion of exciton level splitting in quantum dots. *Physical Review B*, **2005**, 72,	3.3	157
1260	Spin-triplet negatively charged excitons in GaAs quantum wells. *Physical Review B*, **1995**, 52, 7841-7844	3.3	157
1259	Magnetic-field-induced reduction of the exciton polarization splitting in InAs quantum dots. *Physical Review B*, **2006**, 73,	3.3	153
1258	Addition of the one-dimensional quantised ballistic resistance. *Journal of Physics C: Solid State Physics*, **1988**, 21, L887-L891		148
1257	Quantum Cascade Detectors. *IEEE Journal of Quantum Electronics*, **2009**, 45, 1039-1052	2	141
1256	A passively mode-locked external-cavity semiconductor laser emitting 60-fs pulses. *Nature Photonics*, **2009**, 3, 729-731	33.9	132
1255	Detection of single photons using a field-effect transistor gated by a layer of quantum dots. *Applied Physics Letters*, **2000**, 76, 3673-3675	3.4	128

1254	Single-photon emission from exciton complexes in individual quantum dots. *Physical Review B*, **2001**, 64,	3.3	128
1253	Magneto-optical spectroscopy of positively charged excitons in GaAs quantum wells. *Physical Review B*, **1995**, 52, R5523-R5526	3.3	122
1252	Terahertz quantum cascade laser as local oscillator in a heterodyne receiver. *Optics Express*, **2005**, 13, 5890-6	3.3	120
1251	Efficient single photon detection by quantum dot resonant tunneling diodes. *Physical Review Letters*, **2005**, 94, 067401	7.4	114
1250	Quantum dots as a photon source for passive quantum key encoding. *Physical Review B*, **2002**, 66,	3.3	114
1249	Coherence of an entangled exciton-photon state. *Physical Review Letters*, **2007**, 99, 266802	7.4	111
1248	Phase-locking of a 2.7-THz quantum cascade laser to a mode-locked erbium-doped fibre laser. *Nature Photonics*, **2010**, 4, 636-640	33.9	110
1247	Electronic refrigeration of a two-dimensional electron gas. *Physical Review Letters*, **2009**, 102, 146602	7.4	109
1246	High-resolution gas phase spectroscopy with a distributed feedback terahertz quantum cascade laser. *Applied Physics Letters*, **2006**, 89, 061115	3.4	109
1245	Quenching of excitonic optical transitions by excess electrons in GaAs quantum wells. *Physical Review B*, **1995**, 51, 18049-18052	3.3	107
1244	Low-bias terahertz amplitude modulator based on split-ring resonators and graphene. *ACS Nano*, **2014**, 8, 2548-54	16.7	106
1243	Enhanced shot noise in resonant tunneling via interacting localized states. *Physical Review Letters*, **2003**, 91, 136801	7.4	103
1242	On-demand single-photon source for 1.3μm telecom fiber. *Applied Physics Letters*, **2005**, 86, 201111	3.4	103
1241	Imaging fractal conductance fluctuations and scarred wave functions in a quantum billiard. *Physical Review Letters*, **2003**, 91, 246803	7.4	102
1240	Charge and spin state readout of a double quantum dot coupled to a resonator. *Nano Letters*, **2010**, 10, 2789-93	11.5	101
1239	Precession and motional slowing of spin evolution in a high mobility two-dimensional electron gas. *Physical Review Letters*, **2002**, 89, 236601	7.4	101
1238	Vanishing Hall voltage in a quasi-one-dimensional GaAs-AlxGa1-xAs heterojunction. *Physical Review B*, **1988**, 38, 8518-8521	3.3	101
1237	Modification of InAs quantum dot structure by the growth of the capping layer. *Applied Physics Letters*, **1998**, 73, 49-51	3.4	99

1236	The transition from one- to zero-dimensional ballistic transport. *Journal of Physics C: Solid State Physics*, **1988**, 21, L893-L898		99
1235	Efficient power extraction in surface-emitting semiconductor lasers using graded photonic heterostructures. *Nature Communications*, **2012**, 3, 952	17.4	96
1234	Spin relaxation in GaAs/AlxGa1−xAs quantum wells. *Physical Review B*, **2000**, 62, 13034-13039	3.3	96
1233	4.35 kW peak power femtosecond pulse mode-locked VECSEL for supercontinuum generation. *Optics Express*, **2013**, 21, 1599-605	3.3	94
1232	Low frequency terahertz quantum cascade laser operating from 1.6to1.8THz. *Applied Physics Letters*, **2006**, 89, 231121	3.4	94
1231	Spin properties of low-density one-dimensional wires. *Physical Review B*, **2000**, 61, R13365-R13368	3.3	94
1230	Evolution of entanglement between distinguishable light states. *Physical Review Letters*, **2008**, 101, 170501	7.4	93
1229	Vertically emitting microdisk lasers. *Nature Photonics*, **2009**, 3, 46-49	33.9	92
1228	Magnetization and Energy Gaps of a High-Mobility 2D Electron Gas in the Quantum Limit. *Physical Review Letters*, **1997**, 79, 3238-3241	7.4	92
1227	Linewidth and tuning characteristics of terahertz quantum cascade lasers. *Optics Letters*, **2004**, 29, 575-73		92
1226	Harvesting dissipated energy with a mesoscopic ratchet. *Nature Communications*, **2015**, 6, 6738	17.4	91
1225	Thermoelectric signature of the excitation spectrum of a quantum dot. *Physical Review B*, **1997**, 55, R10197-R10200	3.3	91
1224	Quasi-periodic distributed feedback laser. *Nature Photonics*, **2010**, 4, 165-169	33.9	90
1223	Weak localization, hole-hole interactions, and the "Metal"-insulator transition in two dimensions. *Physical Review Letters*, **2000**, 84, 2489-92	7.4	90
1222	Clock-controlled emission of single-electron wave packets in a solid-state circuit. *Physical Review Letters*, **2013**, 111, 216807	7.4	88
1221	Anomalous coulomb drag in electron-hole bilayers. *Physical Review Letters*, **2008**, 101, 246801	7.4	88
1220	Correlation Effects on the Coupled Plasmon Modes of a Double Quantum Well. *Physical Review Letters*, **1997**, 78, 2204-2207	7.4	87
1219	Electrostatically defined heterojunction rings and the Aharonov–Bohm effect. *Applied Physics Letters*, **1989**, 54, 21-23	3.4	87

1218	Three-dimensional imaging with a terahertz quantum cascade laser. *Optics Express*, **2006**, 14, 2123-9	3.3	86
1217	The 'penumbra sign' on T1-weighted MR imaging in subacute osteomyelitis: frequency, cause and significance. *Clinical Radiology*, **1998**, 53, 587-92	2.9	85
1216	Terahertz quartz enhanced photo-acoustic sensor. *Applied Physics Letters*, **2013**, 103, 021105	3.4	83
1215	Two-dimensional hopping conductivity in a □doped GaAs/AlxGa1□As heterostructure. *Physical Review B*, **1999**, 59, 4580-4583	3.3	83
1214	Hole-hole interaction effect in the conductance of the two-dimensional hole gas in the ballistic regime. *Physical Review Letters*, **2002**, 89, 076406	7.4	81
1213	Giant Stark effect in the emission of single semiconductor quantum dots. *Applied Physics Letters*, **2010**, 97, 031104	3.4	80
1212	Conductance quantization at a half-integer plateau in a symmetric GaAs quantum wire. *Science*, **2006**, 312, 1359-62	33.3	78
1211	Quantum thermal conductance of electrons in a one-dimensional wire. *Physical Review Letters*, **2006**, 97, 056601	7.4	78
1210	Magnetotransport in a nonplanar two-dimensional electron gas. *Physical Review B*, **1995**, 52, R8629-R8632	3.3	78
1209	Injection-locking of terahertz quantum cascade lasers up to 35GHz using RF amplitude modulation. *Optics Express*, **2010**, 18, 20799-816	3.3	77
1208	Modulation of single quantum dot energy levels by a surface-acoustic-wave. *Applied Physics Letters*, **2008**, 93, 081115	3.4	77
1207	Single-electron acoustic charge transport by two counterpropagating surface acoustic wave beams. *Physical Review B*, **1999**, 60, 4850-4855	3.3	77
1206	Empirical relation between gate voltage and electrostatic potential in the one-dimensional electron gas of a split-gate device. *Physical Review B*, **1989**, 39, 6283-6286	3.3	76
1205	Negative magnetoresistance in the variable-range-hopping regime in n-type GaAs. *Physical Review B*, **1989**, 39, 8059-8061	3.3	76
1204	Zeeman splitting in ballistic hole quantum wires. *Physical Review Letters*, **2006**, 97, 026403	7.4	75
1203	Observation of charge transport by negatively charged excitons. *Science*, **2001**, 294, 837-9	33.3	75
1202	Intrinsic stability of quantum cascade lasers against optical feedback. *Optics Express*, **2013**, 21, 13748-57	3.3	74
1201	A general approach for hysteresis-free, operationally stable metal halide perovskite field-effect transistors. *Science Advances*, **2020**, 6, eaaz4948	14.3	73

1200	Fano factor reduction on the 0.7 conductance structure of a ballistic one-dimensional wire. *Physical Review Letters*, **2004**, 93, 116602	7.4	72
1199	Tunneling between two-dimensional electron gases in a strong magnetic field. *Physical Review B*, **1994**, 50, 15465-15468	3.3	72
1198	A quantum light-emitting diode for the standard telecom window around 1,550 nm. *Nature Communications*, **2018**, 9, 862	17.4	71
1197	Interaction effects at crossings of spin-polarized one-dimensional subbands. *Physical Review Letters* , **2003**, 91, 136404	7.4	71
1196	Ballistic transport in one-dimensional constrictions formed in deep two-dimensional electron gases. *Applied Physics Letters*, **1995**, 67, 109-111	3.4	71
1195	Enhanced spin-relaxation time due to electron-electron scattering in semiconductor quantum wells. *Physical Review B*, **2007**, 75,	3.3	69
1194	Quantum teleportation using a light-emitting diode. *Nature Photonics*, **2013**, 7, 311-315	33.9	68
1193	Phase-locking to a free-space terahertz comb for metrological-grade terahertz lasers. *Nature Communications*, **2012**, 3, 1040	17.4	68
1192	On-chip single photon emission from an integrated semiconductor quantum dot into a photonic crystal waveguide. *Applied Physics Letters*, **2011**, 99, 261108	3.4	68
1191	Continuous wave operation of a superlattice quantum cascade laser emitting at 2 THz. *Optics Express*, **2006**, 14, 171-81	3.3	66
1190	High power quantum cascade lasers operating at ?87 and 130. *Applied Physics Letters*, **2004**, 85, 3986-3988	3.4	66
1189	Microcavity single-photon-emitting diode. *Applied Physics Letters*, **2005**, 86, 181102	3.4	66
1188	Linewidth enhancement factor of terahertz quantum cascade lasers. *Applied Physics Letters*, **2008**, 92, 071106	3.4	65
1187	Spin splitting of one-dimensional subbands in high quality quantum wires at zero magnetic field. *Physical Review B*, **2000**, 62, 15842-15850	3.3	65
1186	Tunable terahertz quantum cascade lasers with an external cavity. *Applied Physics Letters*, **2007**, 91, 121104	3.4	64
1185	Terahertz emission from quantum cascade lasers in the quantum Hall regime: evidence for many body resonances and localization effects. *Physical Review Letters*, **2004**, 93, 237403	7.4	64
1184	Magnetoresistance of a 2D electron gas caused by electron interactions in the transition from the diffusive to the ballistic regime. *Physical Review Letters*, **2003**, 90, 076802	7.4	64
1183	Quantized acoustoelectric current transport through a static quantum dot using a surface acoustic wave. *Physical Review B*, **2003**, 68,	3.3	64

1182	Magnetic-field-induced insulator-quantum Hall-insulator transition in a disordered two-dimensional electron gas. *Journal of Physics Condensed Matter*, **1994**, 6, 4763-4770	1.8	64
1181	Incipient formation of an electron lattice in a weakly confined quantum wire. *Physical Review Letters*, **2009**, 102, 056804	7.4	63
1180	Magnetization reversal and magnetoresistance in a lateral spin-injection device. *Journal of Applied Physics*, **1999**, 85, 6682-6685	2.5	63
1179	Ultra-low-power hybrid light-matter solitons. *Nature Communications*, **2015**, 6, 8317	17.4	62
1178	Postselective two-photon interference from a continuous nonclassical stream of photons emitted by a quantum dot. *Physical Review Letters*, **2008**, 100, 207405	7.4	62
1177	A pictorial review of primary synovial osteochondromatosis. *European Radiology*, **2008**, 18, 2662-9	8	62
1176	Detection of Coulomb Charging around an Antidot in the Quantum Hall Regime. *Physical Review Letters*, **1999**, 83, 160-163	7.4	62
1175	Single-electron tunneling and Coulomb charging effects in aysmmetric double-barrier resonant-tunneling diodes. *Physical Review B*, **1992**, 45, 14407-14410	3.3	62
1174	13GHz direct modulation of terahertz quantum cascade lasers. *Applied Physics Letters*, **2007**, 91, 143510	3.4	61
1173	Charging and double-frequency Aharonov-Bohm effects in an open system. *Physical Review B*, **1994**, 49, 17456-17459	3.3	61
1172	Noise and reproducible structure in a GaAs/AlxGa1-xAs one-dimensional channel. *Physical Review B*, **1991**, 44, 1938-1941	3.3	61
1171	Observation of Coulomb blockade oscillations in the thermopower of a quantum dot. *Solid State Communications*, **1993**, 87, 1145-1149	1.6	61
1170	Electrically driven telecommunication wavelength single-photon source. *Applied Physics Letters*, **2007**, 90, 063512	3.4	60
1169	High-performance operation of single-mode terahertz quantum cascade lasers with metallic gratings. *Applied Physics Letters*, **2005**, 87, 181101	3.4	60
1168	Graphene based plasmonic terahertz amplitude modulator operating above 100 MHz. *Applied Physics Letters*, **2016**, 108, 171101	3.4	60
1167	Single shot charge detection using a radio-frequency quantum point contact. *Applied Physics Letters* , **2007**, 91, 222104	3.4	59
1166	Imaging with THz quantum cascade lasers using a Schottky diode mixer. *Optics Express*, **2005**, 13, 6497-503	3.3	59
1165	Tunneling between parallel two-dimensional electron gases. *Physical Review B*, **1996**, 54, 10614-10624	3.3	59

1164	A quartz enhanced photo-acoustic gas sensor based on a custom tuning fork and a terahertz quantum cascade laser. *Analyst, The*, **2014**, 139, 2079-87	5	58
1163	Reentrant Insulator-Metal-Insulator Transition at B=0 in a Two-Dimensional Hole Gas. *Physical Review Letters*, **1999**, 82, 1542-1545	7.4	58
1162	One-dimensional quantised ballistic resistors in parallel configuration. *Journal of Physics Condensed Matter*, **1989**, 1, 6763-6770	1.8	58
1161	Transport in a superlattice of 1D ballistic channels. *Journal of Physics Condensed Matter*, **1990**, 2, 3405-3414	1.8	58
1160	Terahertz heterodyne receiver with quantum cascade laser and hot electron bolometer mixer in a pulse tube cooler. *Applied Physics Letters*, **2008**, 93, 141108	3.4	57
1159	Control of fine-structure splitting of individual InAs quantum dots by rapid thermal annealing. *Applied Physics Letters*, **2007**, 90, 011907	3.4	57
1158	High performance single photon sources from photolithographically defined pillar microcavities. *Optics Express*, **2005**, 13, 50-5	3.3	57
1157	Mapping surface elastic properties of stiff and compliant materials on the nanoscale using ultrasonic force microscopy. *Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties*, **2000**, 80, 2299-2323		57
1156	Resistance resonance induced by electron-hole hybridization in a strongly coupled InAs/GaSb/AlSb heterostructure. *Physical Review B*, **1998**, 57, 11915-11918	3.3	57
1155	Influence of excess electrons and magnetic fields on Mott-Wannier excitons in GaAs quantum wells. *Advances in Physics*, **1995**, 44, 47-72	18.4	57
1154	Active Control of Electromagnetically Induced Transparency in a Terahertz Metamaterial Array with Graphene for Continuous Resonance Frequency Tuning. *Advanced Optical Materials*, **2018**, 6, 1800570	8.1	56
1153	Bell-inequality violation with a triggered photon-pair source. *Physical Review Letters*, **2009**, 102, 030406	7.4	56
1152	Tunable nonadiabatic excitation in a single-electron quantum dot. *Physical Review Letters*, **2011**, 106, 126801	7.4	56
1151	Improvement in electron holographic phase images of focused-ion-beam-milled GaAs and Si p-n junctions by in situ annealing. *Applied Physics Letters*, **2006**, 88, 063510	3.4	56
1150	Electrically switchable, two-color quantum cascade laser emitting at 1.39 and 2.3THz. *Applied Physics Letters*, **2006**, 88, 141102	3.4	56
1149	Quantum key distribution using a triggered quantum dot source emitting near 1.3μm. *Applied Physics Letters*, **2007**, 91, 161103	3.4	56
1148	Optically induced bistability in the mobility of a two-dimensional electron gas coupled to a layer of quantum dots. *Applied Physics Letters*, **1999**, 74, 735-737	3.4	56
1147	Mechanisms of dynamic range limitations in GaAs/AlGaAs quantum-cascade lasers: Influence of injector doping. *Applied Physics Letters*, **2005**, 86, 211117	3.4	55

1146	Heterodyne mixing of two far-infrared quantum cascade lasers by use of a point-contact Schottky diode. *Optics Letters*, **2004**, 29, 1632-4	3	55
1145	Spectroscopy of a two-dimensional electron gas in the quantum-Hall-effect regime by use of low-frequency edge magnetoplasmons. *Physical Review B*, **1992**, 46, 12427-12432	3.3	55
1144	Properties of a ballistic quasi-one-dimensional constriction in a parallel high magnetic field. *Physical Review B*, **1991**, 44, 10973-10975	3.3	55
1143	Kondo effect from a tunable bound state within a quantum wire. *Physical Review Letters*, **2008**, 100, 026807	7.4	54
1142	Coherent dynamics of a telecom-wavelength entangled photon source. *Nature Communications*, **2014**, 5, 3316	17.4	53
1141	Evolution of fractal patterns during a classical-quantum transition. *Physical Review Letters*, **2001**, 87, 036802	7.4	53
1140	Photoluminescence due to positively charged excitons in undoped GaAs/AlxGa1-xAs quantum wells. *Physical Review B*, **1996**, 53, 13002-13010	3.3	53
1139	Indistinguishable entangled photons generated by a light-emitting diode. *Physical Review Letters*, **2012**, 108, 040503	7.4	52
1138	Coherent time evolution of a single-electron wave function. *Physical Review Letters*, **2009**, 102, 156801	7.4	52
1137	Direction-resolved transport and possible many-body effects in one-dimensional thermopower. *Physical Review B*, **2000**, 62, R16275-R16278	3.3	52
1136	On the acoustoelectric current in a one-dimensional channel. *Journal of Physics Condensed Matter*, **1996**, 8, L337-L343	1.8	52
1135	Ballistic transport in one dimension: additional quantisation produced by an electric field. *Journal of Physics Condensed Matter*, **1990**, 2, 7247-7254	1.8	52
1134	Ultrafast optical Stark mode-locked semiconductor laser. *Optics Letters*, **2008**, 33, 2797-9	3	51
1133	Single-mode operation of terahertz quantum cascade lasers with distributed feedback resonators. *Applied Physics Letters*, **2004**, 84, 5446-5448	3.4	51
1132	Quantized charge pumping through a quantum dot by surface acoustic waves. *Applied Physics Letters*, **2004**, 84, 4319-4321	3.4	51
1131	Erasable electrostatic lithography for quantum components. *Nature*, **2003**, 424, 751-4	50.4	51
1130	Angle-resolved Raman spectroscopy of the collective modes in an electron bilayer. *Physical Review B*, **1999**, 59, 2095-2101	3.3	51
1129	Fabrication of high-quality one- and two-dimensional electron gases in undoped GaAs/AlGaAs heterostructures. *Applied Physics Letters*, **1999**, 74, 2328-2330	3.4	51

1128	The fabrication of a back-gated high electron mobility transistor-a novel approach using MBE regrowth on an in situ ion beam patterned epilayer. *Semiconductor Science and Technology*, **1993**, 8, 415-422	1.8	51
1127	Direct experimental determination of the tunnelling time and transmission probability of electrons through a resonant tunnelling structure. *Journal of Physics Condensed Matter*, **1991**, 2, 8969-8975	1.8	51
1126	Site-Control of InAs Quantum Dots usingEx-SituElectron-Beam Lithographic Patterning of GaAs Substrates. *Japanese Journal of Applied Physics*, **2006**, 45, 2519-2521	1.4	50
1125	Spin-dependent transport in a quasiballistic quantum wire. *Physical Review B*, **2000**, 61, 9952-9955	3.3	50
1124	Controlled-NOT gate operating with single photons. *Applied Physics Letters*, **2012**, 100, 211103	3.4	49
1123	Magnetization Instability in a Two-Dimensional System. *Physical Review Letters*, **1997**, 79, 4449-4452	7.4	49
1122	Experimental Evidence for Coulomb Charging Effects in an Open Quantum Dot at Zero Magnetic Field. *Physical Review Letters*, **1998**, 81, 3507-3510	7.4	49
1121	Resonant tunneling between parallel, two-dimensional electron gases: A new approach to device fabrication using in situ ion beam lithography and molecular beam epitaxy growth. *Applied Physics Letters*, **1994**, 64, 1827-1829	3.4	49
1120	Wave functions and Fermi surfaces of strongly coupled two-dimensional electron gases investigated by in-plane magnetoresistance. *Physical Review B*, **1994**, 50, 4889-4892	3.3	49
1119	All-integrated terahertz modulators. *Nanophotonics*, **2018**, 7, 127-144	6.3	48
1118	Narrow emission linewidths of positioned InAs quantum dots grown on pre-patterned GaAs(100) substrates. *Nanotechnology*, **2011**, 22, 065302	3.4	48
1117	Terahertz quantum-cascade lasers based on an interlaced photon-phonon cascade. *Applied Physics Letters*, **2004**, 84, 1266-1268	3.4	48
1116	High-performance continuous-wave operation of superlattice terahertz quantum-cascade lasers. *Applied Physics Letters*, **2003**, 82, 1518-1520	3.4	48
1115	Dark Solitons in High Velocity Waveguide Polariton Fluids. *Physical Review Letters*, **2017**, 119, 097403	7.4	47
1114	An accurate high-speed single-electron quantum dot pump. *New Journal of Physics*, **2010**, 12, 073013	2.9	47
1113	Metal-metal terahertz quantum cascade laser with micro-transverse-electromagnetic-horn antenna. *Applied Physics Letters*, **2008**, 93, 183508	3.4	47
1112	Formation and ordering of epitaxial quantum dots. *Comptes Rendus Physique*, **2008**, 9, 788-803	1.4	47
1111	Thermodynamic density of states of two-dimensional GaAs systems near the apparent metal-insulator transition. *Physical Review Letters*, **2006**, 96, 216407	7.4	47

1110	Surface plasmon photonic structures in terahertz quantum cascade lasers. *Optics Express*, **2006**, 14, 5335-45	3.5	47
1109	Imaging cyclotron orbits and scattering sites in a high-mobility two-dimensional electron gas. *Physical Review B*, **2000**, 62, 5174-5178	3.3	47
1108	Resonant magneto-transport through a lateral quantum box in a semiconductor heterostructure. *Journal of Physics Condensed Matter*, **1989**, 1, 6291-6298	1.8	47
1107	Momentum transfer between 3He quasiparticles and surfaces: The effective viscosity of dilute solutions of 3He in 4He. *Physical Review Letters*, **1987**, 59, 465-468	7.4	47
1106	Interference of dissimilar photon sources. *Nature Physics*, **2009**, 5, 715-717	16.2	46
1105	Weak localization in high-quality two-dimensional systems. *Physical Review B*, **2004**, 70,	3.3	46
1104	Possible evidence of a spontaneous spin polarization in mesoscopic two-dimensional electron systems. *Physical Review Letters*, **2004**, 92, 116601	7.4	46
1103	Effect of spatial dispersion on acoustoelectric current in a high-mobility two-dimensional electron gas. *Physical Review B*, **1995**, 51, 14770-14773	3.3	46
1102	Charging effects and the excitation spectrum of a quantum dot formed by an impurity potential. *Physical Review B*, **1993**, 48, 8866-8871	3.3	46
1101	Slow-light-enhanced single quantum dot emission in a unidirectional photonic crystal waveguide. *Applied Physics Letters*, **2010**, 96, 031109	3.4	45
1100	Resonant tunneling in an AlxGa1-xAs/GaAs quantum dot as a function of magnetic field. *Physical Review B*, **1992**, 46, 3948-3952	3.3	45
1099	Time-of-Flight Measurements of Single-Electron Wave Packets in Quantum Hall Edge States. *Physical Review Letters*, **2016**, 116, 126803	7.4	44
1098	Enhanced g factors of a one-dimensional hole gas with quantized conductance. *Physical Review B*, **1997**, 55, R13409-R13412	3.3	44
1097	Quantum ring formation and antimony segregation in GaSb□GaAs nanostructures. *Journal of Vacuum Science & Technology B*, **2008**, 26, 1492		44
1096	Enhancement and suppression of spontaneous emission by temperature tuning InAs quantum dots to photonic crystal cavities. *Applied Physics Letters*, **2006**, 88, 131101	3.4	44
1095	Oscillatory Dyakonov-Perel spin dynamics in two-dimensional electron gases. *Physical Review B*, **2007**, 76,	3.3	44
1094	Spin injection between epitaxial Co2.4Mn1.6Ga and an InGaAs quantum well. *Applied Physics Letters* , **2005**, 86, 252106	3.4	44
1093	Drude conductivity of highly doped GaAs at terahertz frequencies. *Journal of Applied Physics*, **2000**, 87, 2382-2385	2.5	44

1092	Quantum Engineering of InAs/GaAs Quantum Dot Based Intermediate Band Solar Cells. *ACS Photonics*, **2017**, 4, 2745-2750	6.3	43
1091	THz QCL-based cryogen-free spectrometer for in situ trace gas sensing. *Sensors*, **2013**, 13, 3331-40	3.8	43
1090	Magnetization studies of Landau level broadening in two-dimensional electron systems. *Journal of Physics Condensed Matter*, **1996**, 8, 5189-5207	1.8	43
1089	Cavity-enhanced radiative emission rate in a single-photon-emitting diode operating at 0.5 GHz. *New Journal of Physics*, **2008**, 10, 043035	2.9	43
1088	Ground State of a Two-Dimensional Coupled Electron-Hole Gas in InAs/GaSb Narrow Gap Heterostructures. *Physical Review Letters*, **1999**, 82, 2362-2365	7.4	43
1087	The growth and physics of high mobility two-dimensional hole gases. *Journal of Crystal Growth*, **1991**, 111, 318-322	1.6	43
1086	Experimental Realization of a Quantum Dot Energy Harvester. *Physical Review Letters*, **2019**, 123, 117701	7.4	42
1085	Terahertz confocal microscopy with a quantum cascade laser source. *Optics Express*, **2012**, 20, 21924-31	3.3	42
1084	Spin-incoherent transport in quantum wires. *Physical Review Letters*, **2008**, 101, 036801	7.4	42
1083	Hybridization of single- and double-layer behavior in a double-quantum-well structure. *Physical Review B*, **1996**, 54, R17331-R17334	3.3	42
1082	Time-irreversible random telegraph signal due to current along a single hopping chain. *Physical Review Letters*, **1992**, 69, 502-505	7.4	42
1081	Single-Photon Superradiance from a Quantum Dot. *Physical Review Letters*, **2016**, 116, 163604	7.4	41
1080	Submegahertz frequency stabilization of a terahertz quantum cascade laser to a molecular absorption line. *Applied Physics Letters*, **2010**, 96, 071112	3.4	41
1079	Spin transport in germanium at room temperature. *Applied Physics Letters*, **2010**, 97, 162104	3.4	41
1078	Exciton-spin memory with a semiconductor quantum dot molecule. *Physical Review Letters*, **2011**, 106, 216802	7.4	41
1077	Tuneable polaritonics at room temperature with strongly coupled Tamm plasmon polaritons in metal/air-gap microcavities. *Applied Physics Letters*, **2011**, 98, 231105	3.4	41
1076	Stabilization of single-electron pumps by high magnetic fields. *Physical Review B*, **2012**, 86,	3.3	41
1075	Enhanced current quantization in high-frequency electron pumps in a perpendicular magnetic field. *Physical Review B*, **2008**, 78,	3.3	41

1074	Energy-dependent tunneling from few-electron dynamic quantum dots. *Physical Review Letters*, **2007**, 99, 156802	7.4	41
1073	Continuous-wave operation of far-infrared quantum cascade lasers. *Electronics Letters*, **2002**, 38, 1675	1.1	41
1072	Exciton polaritons in semiconductor waveguides. *Applied Physics Letters*, **2013**, 102, 012109	3.4	40
1071	High-power surface emission from terahertz distributed feedback lasers with a dual-slit unit cell. *Applied Physics Letters*, **2010**, 96, 191109	3.4	40
1070	Bias-controlled spin polarization in quantum wires. *Applied Physics Letters*, **2008**, 93, 032102	3.4	40
1069	Terahertz transfer onto a telecom optical carrier. *Nature Photonics*, **2007**, 1, 411-415	33.9	40
1068	Magnetization measurements of high-mobility two-dimensional electron gases. *Physical Review B*, **2003**, 67,	3.3	40
1067	Generation of high-power terahertz pulses in a prism. *Optics Letters*, **2002**, 27, 1935-7	3	40
1066	Ilio-psoas bursa enlargement. *Clinical Radiology*, **1992**, 45, 161-8	2.9	40
1065	Improved Tuning Fork for Terahertz Quartz-Enhanced Photoacoustic Spectroscopy. *Sensors*, **2016**, 16, 439	3.8	40
1064	Electric-field-induced ionization of negatively charged excitons in quantum wells. *Physical Review B*, **1997**, 55, R1970-R1972	3.3	39
1063	Closely separated one-dimensional wires:. *Physica B: Condensed Matter*, **1998**, 249-251, 157-161	2.8	39
1062	Quantum dot resonant tunneling diode for telecommunication wavelength single photon detection. *Applied Physics Letters*, **2007**, 91, 073516	3.4	39
1061	Electric control of the spin Hall effect by intervalley transitions. *Nature Materials*, **2014**, 13, 932-7	27	38
1060	High Peak Power Femtosecond Pulse Passively Mode-Locked Vertical-External-Cavity Surface-Emitting Laser. *IEEE Photonics Technology Letters*, **2010**, 22, 1021-1023	2.2	38
1059	Zero-bias anomaly in quantum wires. *Physical Review B*, **2009**, 79,	3.3	38
1058	Frictional drag between parallel two-dimensional electron gases in a perpendicular magnetic field. *Journal of Physics Condensed Matter*, **1996**, 8, L557-L562	1.8	38
1057	Photon number resolving detector based on a quantum dot field effect transistor. *Applied Physics Letters*, **2007**, 90, 181114	3.4	38

1056	Plasmon excitation and self-coupling in a bi-periodically modulated two-dimensional electron gas. *Journal of Applied Physics*, **1992**, 71, 6049-6061	2.5	38
1055	Cavity-enhanced coherent light scattering from a quantum dot. *Science Advances*, **2016**, 2, e1501256	14.3	38
1054	Universal Growth Scheme for Quantum Dots with Low Fine-Structure Splitting at Various Emission Wavelengths. *Physical Review Applied*, **2017**, 8,	4.3	37
1053	Microwave-driven transitions in two coupled semiconductor charge qubits. *Physical Review Letters*, **2009**, 103, 016805	7.4	37
1052	Magnetotunneling spectroscopy of one-dimensional wires. *Physical Review B*, **1997**, 55, R1966-R1969	3.3	37
1051	Conductance quantization and the 0.7□e2□ conductance anomaly in one-dimensional hole systems. *Applied Physics Letters*, **2006**, 88, 012107	3.4	37
1050	Influence of exciton dynamics on the interference of two photons from a microcavity single-photon source. *Optics Express*, **2005**, 13, 7772-8	3.3	37
1049	Polarization control of quantum dot single-photon sources via a dipole-dependent Purcell effect. *Physical Review B*, **2005**, 72,	3.3	37
1048	Voltage tunability of single-spin states in a quantum dot. *Nature Communications*, **2013**, 4, 1522	17.4	36
1047	Microwave modulation of terahertz quantum cascade lasers: a transmission-line approach. *Applied Physics Letters*, **2010**, 96, 021108	3.4	36
1046	Giant fluctuations of coulomb drag in a bilayer system. *Science*, **2007**, 316, 99-102	33.3	36
1045	Single electron-spin memory with a semiconductor quantum dot. *New Journal of Physics*, **2007**, 9, 365-365	2.9	36
1044	Coulomb blockade of tunneling through compressible rings formed around an antidot: An explanation for h/2e Aharonov-Bohm oscillations. *Physical Review B*, **2000**, 62, R4817-R4820	3.3	36
1043	Fabrication and transport properties of clean long one-dimensional quantum wires formed in modulation-doped GaAs/AlGaAs heterostructures. *Applied Physics Letters*, **1999**, 75, 2975-2977	3.4	36
1042	Study of the carrier density dependence of the frictional drag between closely spaced two-dimensional electron gases. *Semiconductor Science and Technology*, **1995**, 10, 1229-1232	1.8	36
1041	AharonovBohm effect and one-dimensional ballistic transport through two independent parallel channels. *Applied Physics Letters*, **1993**, 63, 3191-3193	3.4	36
1040	Sensitive Radio-Frequency Measurements of a Quantum Dot by Tuning to Perfect Impedance Matching. *Physical Review Applied*, **2016**, 5,	4.3	35
1039	Quantum photonics hybrid integration platform. *Applied Physics Letters*, **2015**, 107, 171108	3.4	35

1038	Row coupling in an interacting quasi-one-dimensional quantum wire investigated using transport measurements. *Physical Review B*, **2009**, 80,	3.3	35
1037	Impact of long- and short-range disorder on the metallic behaviour of two-dimensional systems. *Nature Physics*, **2008**, 4, 55-59	16.2	35
1036	Kondo effect in a quantum antidot. *Physical Review Letters*, **2002**, 89, 226803	7.4	35
1035	Rapid radiative decay of charged excitons. *Physical Review B*, **2000**, 62, R13294-R13297	3.3	35
1034	Electron transport in a non-uniform magnetic field. *Journal of Physics Condensed Matter*, **1995**, 7, L307-L315	1.8	35
1033	Negatively charged excitons in coupled double quantum wells. *Physical Review B*, **1997**, 55, 1318-1321	3.3	34
1032	Indistinguishable photons from a diode. *Applied Physics Letters*, **2008**, 92, 193503	3.4	34
1031	Hibernoma--correlation of histopathology and magnetic-resonance-imaging features in 10 cases. *Skeletal Radiology*, **2006**, 35, 579-89	2.7	34
1030	Electrical control of the uncertainty in the time of single photon emission events. *Physical Review B*, **2005**, 72,	3.3	34
1029	Single Photon Detection with a Quantum Dot Transistor. *Japanese Journal of Applied Physics*, **2001**, 40, 2058-2064	1.4	34
1028	High-intensity interminiband terahertz emission from chirped superlattices. *Applied Physics Letters*, **2002**, 80, 1867-1869	3.4	34
1027	Transport properties of two-dimensional electron gases containing InAs self-assembled dots. *Applied Physics Letters*, **1998**, 73, 2468-2470	3.4	34
1026	Temperature-dependent Landau damping of the acoustic plasmon in a bilayer system. *Physical Review B*, **1998**, 57, R2065-R2068	3.3	34
1025	Resonant tunneling in coupled quantum dots. *Applied Physics Letters*, **1992**, 60, 595-597	3.4	34
1024	Fabry-Perot interferometry with electron waves. *Journal of Physics Condensed Matter*, **1989**, 1, 9035-9044	1.8	34
1023	Observation of Aharonov-Bohm oscillations in a narrow two-dimensional electron gas. *Journal of Physics Condensed Matter*, **1989**, 1, 3369-3373	1.8	34
1022	Analysis of InAs/GaAs quantum dot solar cells using Suns- V oc measurements. *Solar Energy Materials and Solar Cells*, **2014**, 130, 241-245	6.4	33
1021	Frequency-Comb-Assisted Terahertz Quantum Cascade Laser Spectroscopy. *Physical Review X*, **2014** , 4,	9.1	33

1020	Parallel quantized charge pumping. *Physical Review B*, **2009**, 80,	3.3	33
1019	Noise-controlled signal transmission in a multithread semiconductor neuron. *Physical Review Letters*, **2009**, 102, 226802	7.4	33
1018	Quantized current in one-dimensional channel induced by surface acoustic waves. *Physica B: Condensed Matter*, **1998**, 249-251, 140-146	2.8	33
1017	Single-electron population and depopulation of an isolated quantum dot using a surface-acoustic-wave pulse. *Physical Review Letters*, **2007**, 98, 046801	7.4	33
1016	Thermal properties of THz quantum cascade lasers based on different optical waveguide configurations. *Applied Physics Letters*, **2006**, 89, 021111	3.4	33
1015	Evidence for transfer of polarization in a quantum dot cellular automata cell consisting of semiconductor quantum dots. *Physical Review B*, **2003**, 67,	3.3	33
1014	Dephasing in an isolated double-quantum-dot system deduced from single-electron polarization measurements. *Physical Review B*, **2003**, 67,	3.3	33
1013	Terahertz quantum cascade lasersfirst demonstration and novel concepts. *Semiconductor Science and Technology*, **2005**, 20, S222-S227	1.8	33
1012	Matrix Metalloproteinase Expression Is Related to Angiogenesis and Histologic Grade in Spindle Cell Soft Tissue Neoplasms of the Extremities. *American Journal of Clinical Pathology*, **2005**, 123, 405-414	1.9	33
1011	Fermi-liquid behavior of the low-density 2D hole gas in a GaAs/AlGaAs heterostructure at large values of r(s). *Physical Review Letters*, **2001**, 86, 4895-8	7.4	33
1010	Sport injuries of the elbow. *British Journal of Sports Medicine*, **1999**, 33, 301-11	10.3	33
1009	Hyperuniform disordered terahertz quantum cascade laser. *Scientific Reports*, **2016**, 6, 19325	4.9	32
1008	Anomalous critical fields in quantum critical superconductors. *Nature Communications*, **2014**, 5, 5679	17.4	32
1007	Cryogenic on-chip multiplexer for the study of quantum transport in 256 split-gate devices. *Applied Physics Letters*, **2013**, 102, 243102	3.4	32
1006	Energy-level pinning and the 0.7 spin state in one dimension: GaAs quantum wires studied using finite-bias spectroscopy. *Physical Review B*, **2007**, 75,	3.3	32
1005	Electrostatic potential and quantum transport in a one-dimensional channel of an induced two-dimensional electron gas. *Journal of Applied Physics*, **2001**, 89, 4993-5000	2.5	32
1004	Tuning the insulatorquantum Hall liquid transitions in a two-dimensional electron gas using self-assembled InAs. *Physical Review B*, **2000**, 61, 10910-10916	3.3	32
1003	Many-body effects in a quasi-one-dimensional electron gas. *Physical Review B*, **2014**, 90,	3.3	31

1002	Measurement and control of electron wave packets from a single-electron source. *Physical Review B*, **2015**, 92,	3.3	31
1001	Realization of quantum-dot cellular automata using semiconductor quantum dots. *Superlattices and Microstructures*, **2003**, 34, 195-203	2.8	31
1000	A new mechanism for high-frequency rectification in a ballistic quantum point contact. *Journal of Physics Condensed Matter*, **1994**, 6, L163-L168	1.8	31
999	Quantum teleportation using highly coherent emission from telecom C-band quantum dots. *Npj Quantum Information*, **2020**, 6,	8.6	30
998	Fast Modulation of Terahertz Quantum Cascade Lasers Using Graphene Loaded Plasmonic Antennas. *ACS Photonics*, **2016**, 3, 464-470	6.3	30
997	Fabrication and characterization of ambipolar devices on an undoped AlGaAs/GaAs heterostructure. *Applied Physics Letters*, **2012**, 100, 052101	3.4	30
996	Surface plasmon quantum cascade lasers as terahertz local oscillators. *Optics Letters*, **2008**, 33, 312-4	3	30
995	Electron-lattice coupling in bound-to-continuum THz quantum-cascade lasers. *Applied Physics Letters*, **2006**, 88, 241109	3.4	30
994	Experimental investigation of the surface acoustic wave electron capture mechanism. *Physical Review B*, **2006**, 74,	3.3	30
993	Magnetic field in-plane quantization and tuning of population inversion in a THz superlattice quantum cascade laser. *Physical Review B*, **2003**, 68,	3.3	30
992	Resonant tunneling through two impurities in disordered barriers. *Physical Review B*, **1995**, 52, 17021-17024	3.3	30
991	The Aharonov-Bohm effect in the fractional quantum Hall regime. *Surface Science*, **1996**, 361-362, 17-21	1.8	30
990	Back-gated split-gate transistor: A one-dimensional ballistic channel with variable Fermi energy. *Applied Physics Letters*, **1992**, 60, 2782-2784	3.4	30
989	The measurement of the distribution of residual stresses through the thickness of a welded joint. *Strain*, **1987**, 23, 61-70	1.7	30
988	Anisotropic Pauli Spin Blockade of Holes in a GaAs Double Quantum Dot. *Nano Letters*, **2016**, 16, 7685-7689	12.5	30
987	Electrical control of the exciton fine structure of a quantum dot molecule. *Physical Review Letters*, **2013**, 110, 016804	7.4	29
986	Electrically addressing a single self-assembled quantum dot. *Applied Physics Letters*, **2006**, 88, 133509	3.4	29
985	Terahertz microcavity lasers with subwavelength mode volumes and thresholds in the milliampere range. *Applied Physics Letters*, **2007**, 90, 091113	3.4	29

984	Imprinted diffractive optics for terahertz radiation. *Optics Letters*, **2007**, 32, 1141-3	3	29
983	Electronic instabilities in the hot-electron regime of the one-dimensional ballistic resistor. *Journal of Physics Condensed Matter*, **1989**, 1, 6285-6290	1.8	29
982	Fast Room-Temperature Detection of Terahertz Quantum Cascade Lasers with Graphene-Loaded Bow-Tie Plasmonic Antenna Arrays. *ACS Photonics*, **2016**, 3, 1747-1753	6.3	29
981	Efficient and robust quantum random number generation by photon number detection. *Applied Physics Letters*, **2015**, 107, 071106	3.4	28
980	Tuning a distributed feedback laser with a coupled microcavity. *Optics Express*, **2010**, 18, 19185-91	3.3	28
979	Quantum interference of electrically generated single photons from a quantum dot. *Nanotechnology*, **2010**, 21, 274011	3.4	28
978	Temperature dependence of the breakdown of the quantum Hall effect studied by induced currents. *Physical Review B*, **2004**, 70,	3.3	28
977	Integrated piezoresistive sensors for atomic force-guided scanning Hall probe microscopy. *Applied Physics Letters*, **2003**, 82, 3538-3540	3.4	28
976	MBE growth of terahertz quantum cascade lasers. *Journal of Crystal Growth*, **2005**, 278, 756-764	1.6	28
975	Current Breakdown of the Fractional Quantum Hall Effect through Contactless Detection of Induced Currents. *Physical Review Letters*, **1998**, 81, 4220-4223	7.4	28
974	Experimental study of the acoustoelectric effects in GaAs-AlGaAs heterostructures. *Journal of Physics Condensed Matter*, **1995**, 7, 7675-7685	1.8	28
973	An entangled-LED-driven quantum relay over 1 km. *Npj Quantum Information*, **2016**, 2,	8.6	28
972	Multiplexed charge-locking device for large arrays of quantum devices. *Applied Physics Letters*, **2015**, 107, 143501	3.4	27
971	Resonant Rayleigh scattering by excitonic states laterally confined in the interface roughnessof GaAs/AlxGa1⊠As single quantum wells. *Physical Review B*, **1997**, 55, 13752-13760	3.3	27
970	Terahertz spectroscopy of carbon nanotubes embedded in a deformable rubber. *Journal of Applied Physics*, **2008**, 103, 123503	2.5	27
969	Metallic behavior in dilute two-dimensional hole systems. *Physical Review Letters*, **2001**, 87, 126802	7.4	27
968	Fractional quantum Hall effect in bilayer two-dimensional hole-gas systems. *Physical Review B*, **1996** , 54, R5259-R5262	3.3	27
967	One-dimensional ballistic resistor in hot-electron regime: nonlinear and negative differential resistance to 10 THz. *Electronics Letters*, **1989**, 25, 992	1.1	27

966	Terahertz Nanoscopy of Plasmonic Resonances with a Quantum Cascade Laser. *ACS Photonics*, **2017**, 4, 2150-2157	6.3	26
965	Bizarre parosteal osteochondromatous proliferation: a locally aggressive benign tumor. *Clinical Orthopaedics and Related Research*, **2011**, 469, 2019-27	2.2	26
964	Confined states of individual type-II GaSb/GaAs quantum rings studied by cross-sectional scanning tunneling spectroscopy. *Nano Letters*, **2010**, 10, 3972-7	11.5	26
963	0.7 Structure and zero bias anomaly in ballistic hole quantum wires. *Physical Review Letters*, **2008**, 100, 016403	7.4	26
962	Bizarre parosteal osteochondromatous proliferation with cortical invasion. *Skeletal Radiology*, **2001**, 30, 282-5	2.7	26
961	Measurements of noise caused by switching of impurity states and of suppression of shot noise in surface-acoustic-wave-based single-electron pumps. *Physical Review B*, **2002**, 65,	3.3	26
960	Excitonic recombination processes in spin-polarized two-dimensional electron gases. *Physical Review B*, **1998**, 58, R4227-R4230	3.3	26
959	Electron-density-dependent optical spectra of a remotely-doped GaAs/Al0.33Ga0.67As single quantum well. *Superlattices and Microstructures*, **1994**, 15, 355	2.8	26
958	A Josephson relation for fractionally charged anyons. *Science*, **2019**, 363, 846-849	33.3	25
957	Imaging in osteofibrous dysplasia, osteofibrous dysplasia-like adamantinoma, and classic adamantinoma. *Clinical Radiology*, **2014**, 69, 200-8	2.9	25
956	Investigation of the role of the lateral photo-Dember effect in the generation of terahertz radiation using a metallic mask on a semiconductor. *Optics Express*, **2013**, 21, 16263-72	3.3	25
955	175 GHz, 400-fs-pulse harmonically mode-locked surface emitting semiconductor laser. *Optics Express*, **2012**, 20, 7040-5	3.3	25
954	Resonant transmission through an open quantum dot. *Physical Review B*, **1997**, 55, 6723-6726	3.3	25
953	Electrically switchable emission in terahertz quantum cascade lasers. *Optics Express*, **2008**, 16, 19830-5	3.3	25
952	Subband electronic temperatures and electron-lattice energy relaxation in terahertz quantum cascade lasers with different conduction band offsets. *Applied Physics Letters*, **2006**, 89, 131114	3.4	25
951	Quantum-dot thermometry of electron heating by surface acoustic waves. *Applied Physics Letters*, **2006**, 89, 122104	3.4	25
950	Demonstration of a quantum cellular automata cell in a GaAs/AlGaAs heterostructure. *Applied Physics Letters*, **2007**, 91, 032102	3.4	25
949	Low-noise photon counting with a radio-frequency quantum-dot field-effect transistor. *Applied Physics Letters*, **2004**, 84, 419-421	3.4	25

948	Ultralow threshold current terahertz quantum cascade lasers based on double-metal buried strip waveguides. *Applied Physics Letters*, **2005**, 87, 071107	3.4	25
947	Influence of parallel magnetic fields on a single-layer two-dimensional electron system with a hopping mechanism of conductivity. *Physical Review B*, **2000**, 61, 7253-7256	3.3	25
946	Independent indistinguishable quantum light sources on a reconfigurable photonic integrated circuit. *Applied Physics Letters*, **2018**, 112, 211104	3.4	25
945	Quantum teleportation of laser-generated photons with an entangled-light-emitting diode. *Nature Communications*, **2013**, 4, 2859	17.4	24
944	Impact of small-angle scattering on ballistic transport in quantum dots. *Physical Review Letters*, **2012**, 108, 196807	7.4	24
943	Resistively detected nuclear magnetic resonance in n- and p-type GaAs quantum point contacts. *Nano Letters*, **2011**, 11, 3147-50	11.5	24
942	Non-Kondo zero-bias anomaly in quantum wires. *Physical Review B*, **2009**, 79,	3.3	24
941	Pictorial review: Non-neoplastic soft-tissue masses. *British Journal of Radiology*, **2009**, 82, 775-85	3.4	24
940	Fabrication of high mobility in situ back-gated (311)A hole gas heterojunctions. *Applied Physics Letters*, **1997**, 70, 2750-2752	3.4	24
939	All-semiconductor room-temperature terahertz time domain spectrometer. *Optics Letters*, **2008**, 33, 2125-7	3	24
938	Site control of InAs quantum dot nucleation by ex situ electron-beam lithographic patterning of GaAs substrates. *Physica E: Low-Dimensional Systems and Nanostructures*, **2006**, 32, 21-24	3	24
937	From localization to Landau quantization in a two-dimensional GaAs electron system containing self-assembled InAs quantum dots. *Physical Review B*, **2004**, 69,	3.3	24
936	Direct observation of single-electron decay from an artificial nucleus. *Physica E: Low-Dimensional Systems and Nanostructures*, **2000**, 6, 457-460	3	24
935	Imaging diffraction-limited electronic collimation from a non-equilibrium one-dimensional ballistic constriction. *Journal of Physics Condensed Matter*, **2000**, 12, L167-L172	1.8	24
934	One-dimensional probability density observed using scanned gate microscopy. *Journal of Physics Condensed Matter*, **2000**, 12, L735-L740	1.8	24
933	Coulomb Blockade as a Noninvasive Probe of Local Density of States. *Physical Review Letters*, **1996**, 77, 350-353	7.4	24
932	Phase coherence, interference, and conductance quantization in a confined two-dimensional hole gas. *Physical Review B*, **1994**, 49, 5101-5104	3.3	24
931	Activationless hopping of correlated electrons in n-type GaAs. *Physical Review B*, **1989**, 40, 3387-3389	3.3	24

930	All-electrical coherent control of the exciton states in a single quantum dot. *Physical Review B*, **2010**, 82,	3.3	23
929	Comparison of optical and transport measurements of electron densities in quantum wells. *Semiconductor Science and Technology*, **1996**, 11, 890-896	1.8	23
928	Quantum transport in In0.75Ga0.25As quantum wires. *Applied Physics Letters*, **2008**, 92, 152108	3.4	23
927	Continuous-wave highly-efficient low-divergence terahertz wire lasers. *Nature Communications*, **2018**, 9, 1122	17.4	22
926	A semiconductor photon-sorter. *Nature Nanotechnology*, **2016**, 11, 857-860	28.7	22
925	Quantum-Dot-Based Telecommunication-Wavelength Quantum Relay. *Physical Review Applied*, **2017**, 8,	4.3	22
924	All-electrical injection and detection of a spin-polarized current using 1D conductors. *Physical Review Letters*, **2012**, 109, 177202	7.4	22
923	Non-equilibrium longitudinal and transverse optical phonons in terahertz quantum cascade lasers. *Applied Physics Letters*, **2012**, 100, 091101	3.4	22
922	Irreducible anterior dislocation of the shoulder due to soft tissue interposition of subscapularis tendon. *Skeletal Radiology*, **2008**, 37, 63-5	2.7	22
921	Effect of InAs dots on noise of quantum dot resonant tunneling single-photon detectors. *Applied Physics Letters*, **2006**, 89, 153510	3.4	22
920	Single-photon-emitting diodes: a review. *Physica Status Solidi (B): Basic Research*, **2006**, 243, 3730-3740	1.3	22
919	Low-threshold quantum-cascade lasers at 3.5 THz (lambda = 85 microm). *Optics Letters*, **2003**, 28, 810-2	3	22
918	Origin of the oscillator strength of the triplet state of a trion in a magnetic field. *Physical Review Letters*, **2002**, 89, 246805	7.4	22
917	Effect of terahertz irradiation on ballistic transport through one-dimensional quantum point contacts. *Applied Physics Letters*, **1995**, 66, 3149-3151	3.4	22
916	Fabrication of independent contacts to two closely spaced two-dimensional electron gases using molecular beam epitaxy regrowth and in situ focused ion beam lithography. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **1994**, 12, 1293		22
915	Graphene-Integrated Metamaterial Device for All-Electrical Polarization Control of Terahertz Quantum Cascade Lasers. *ACS Photonics*, **2019**, 6, 1547-1555	6.3	21
914	High efficiency coupling of Terahertz micro-ring quantum cascade lasers to the low-loss optical modes of hollow metallic waveguides. *Optics Express*, **2011**, 19, 1122-30	3.3	21
913	Distinguishing impurity concentrations in GaAs and AlGaAs using very shallow undoped heterostructures. *Applied Physics Letters*, **2010**, 97, 242107	3.4	21

912	In-plane single-photon emission from a L3 cavity coupled to a photonic crystal waveguide. *Optics Express*, **2012**, 20, 28614-24	3.3	21
911	Direct intensity sampling of a modelocked terahertz quantum cascade laser. *Applied Physics Letters*, **2012**, 101, 181115	3.4	21
910	Distributed feedback ring resonators for vertically emitting terahertz quantum cascade lasers. *Optics Express*, **2009**, 17, 13031-9	3.3	21
909	Subpicosecond quantum dot saturable absorber mode-locked semiconductor disk laser. *Applied Physics Letters*, **2009**, 94, 251105	3.4	21
908	Cyclotron-resonance studies of strongly coupled double quantum wells in tilted magnetic fields near the quantum and semiclassical limits. *Physical Review B*, **1997**, 56, R4340-R4343	3.3	21
907	The possibility of an intrinsic spin lattice in high-mobility semiconductor heterostructures. *Nature Physics*, **2007**, 3, 315-318	16.2	21
906	Strong confinement in terahertz intersubband lasers by intense magnetic fields. *Physical Review B*, **2007**, 76,	3.3	21
905	The effect of pulse-modulated surface acoustic waves on acoustoelectric current quantization. *Journal of Applied Physics*, **2006**, 100, 063710	2.5	21
904	Micromachined III′V cantilevers for AFM-tracking scanning Hall probe microscopy. *Journal of Micromechanics and Microengineering*, **2003**, 13, 124-128	2	21
903	Josephson Current in Nb/InAs/Nb Highly Transmissive Ballistic Junctions. *Journal of Superconductivity and Novel Magnetism*, **2004**, 17, 317-321		21
902	Room temperature 1.3□h emission from self-assembled GaSb/GaAs quantum dots. *Journal of Crystal Growth*, **2003**, 251, 771-776	1.6	21
901	Continuous-wave operation of terahertz quantum-cascade lasers. *IEEE Journal of Quantum Electronics*, **2003**, 39, 586-591	2	21
900	Do we know what people die of in the emergency department?. *Emergency Medicine Journal*, **2005**, 22, 718-21	1.5	21
899	Ballistic transport in a GaAs/AlxGa1□As one-dimensional channel fabricated using an atomic force microscope. *Applied Physics Letters*, **2001**, 78, 3466-3468	3.4	21
898	Thermopower of a one-dimensional ballistic constriction in the non-linear regime. *Journal of Physics Condensed Matter*, **1993**, 5, 8055-8064	1.8	21
897	Charge oscillations in edge states and double-frequency Aharonov-Bohm effects around a tunable obstacle. *Surface Science*, **1994**, 305, 453-459	1.8	21
896	Fractional quantum Hall effect in high-mobility two-dimensional hole gases in tilted magnetic fields. *Physical Review B*, **1991**, 44, 13128-13131	3.3	21
895	Evidence of a magnetic-field-induced insulator-metal-insulator transition. *Physical Review B*, **1989**, 39, 1430-1433	3.3	21

894	Electron heating effects in free-standing single-crystal GaAs fine wires. *Journal of Physics Condensed Matter*, **1990**, 2, 1817-1825	1.8	21
893	Frequency-tunable continuous-wave random lasers at terahertz frequencies. *Light: Science and Applications*, **2019**, 8, 43	16.7	20
892	Surface acoustic wave modulation of a coherently driven quantum dot in a pillar microcavity. *Applied Physics Letters*, **2017**, 111, 011103	3.4	20
891	Transport through an electrostatically defined quantum dot lattice in a two-dimensional electron gas. *Physical Review B*, **2012**, 85,	3.3	20
890	Gain recovery dynamics of a terahertz quantum cascade laser. *Physical Review B*, **2009**, 80,	3.3	20
889	Spin injection from Co2MnGa into an InGaAs quantum well. *Applied Physics Letters*, **2008**, 92, 232101	3.4	20
888	Low-temperature collapse of electron localization in two dimensions. *Physical Review Letters*, **2008**, 100, 016805	7.4	20
887	Fabrication of closely spaced, independently contacted electron-hole bilayers in GaAs-AlGaAs heterostructures. *Applied Physics Letters*, **2005**, 87, 202104	3.4	20
886	High-performance planar light-emitting diodes. *Applied Physics Letters*, **2003**, 82, 636-638	3.4	20
885	Modification of a shallow 2DEG by AFM lithography. *Microelectronic Engineering*, **2001**, 57-58, 967-973	2.5	20
884	Quantum-dot electron occupancy controlled by a charged scanning probe. *Physical Review B*, **2002**, 66,	3.3	20
883	Spin-dependent transport in a clean one-dimensional channel. *Physical Review B*, **1999**, 60, 10687-10690	3.3	20
882	Crossover phenomenon for two-dimensional hopping conductivity and density-of-states near the Fermi level. *Solid State Communications*, **1999**, 109, 751-756	1.6	20
881	Excitonic trions in undoped GaAs quantum wells. *Solid State Communications*, **1996**, 98, 287-291	1.6	20
880	Two-dimensional electron-gas heating and phonon emission by hot ballistic electrons. *Physical Review B*, **1992**, 45, 6309-6312	3.3	20
879	Electron-state lifetimes in submicron diameter resonant tunneling diodes. *Applied Physics Letters*, **1991**, 59, 1966-1968	3.4	20
878	Topological states and phase transitions in Sb2Te3-GeTe multilayers. *Scientific Reports*, **2016**, 6, 27716	4.9	20
877	External amplitude and frequency modulation of a terahertz quantum cascade laser using metamaterial/graphene devices. *Scientific Reports*, **2017**, 7, 7657	4.9	19

876	THz saturable absorption in turbostratic multilayer graphene on silicon carbide. *Optics Express*, **2015**, 23, 11632-40	3.3	19
875	Ultrafast voltage sampling using single-electron wavepackets. *Applied Physics Letters*, **2017**, 110, 102105	3.4	19
874	Contactless graphene conductivity mapping on a wide range of substrates with terahertz time-domain reflection spectroscopy. *Scientific Reports*, **2017**, 7, 10625	4.9	19
873	Fast terahertz imaging using a quantum cascade amplifier. *Applied Physics Letters*, **2015**, 107, 011107	3.4	19
872	A non-invasive electron thermometer based on charge sensing of a quantum dot. *Applied Physics Letters*, **2013**, 103, 133116	3.4	19
871	Gain bandwidth characterization of surface-emitting quantum well laser gain structures for femtosecond operation. *Optics Express*, **2010**, 18, 21330-41	3.3	19
870	Mode-locking of a terahertz laser by direct phase synchronization. *Optics Express*, **2012**, 20, 20855-62	3.3	19
869	Memory characteristics of InAs quantum dots embedded in GaAs quantum well. *Applied Physics Letters*, **2009**, 95, 143506	3.4	19
868	Quantum dot resonant tunneling diode single photon detector with aluminum oxide aperture defined tunneling area. *Applied Physics Letters*, **2008**, 93, 153503	3.4	19
867	Intraosseous lipomas. *Clinical Radiology*, **1993**, 47, 348-50	2.9	19
866	Independent contacting to electron layers in a double quantum well system using Pd-Ge shallow ohmic contacts. *Applied Physics Letters*, **1994**, 65, 851-853	3.4	19
865	The one dimensional quantised ballistic resistance in GaAs/AlGaAs heterojunctions with varying experimental conditions. *Solid-State Electronics*, **1989**, 32, 1179-1183	1.7	19
864	One dimensional electron tunneling and related phenomena. *Surface Science*, **1990**, 228, 387-392	1.8	19
863	Electrically driven and electrically tunable quantum light sources. *Applied Physics Letters*, **2017**, 110, 071102	3.4	18
862	Statistical study of conductance properties in one-dimensional quantum wires focusing on the 0.7 anomaly. *Physical Review B*, **2014**, 90,	3.3	18
861	Tunable polaritonic molecules in an open microcavity system. *Applied Physics Letters*, **2015**, 107, 201106	3.4	18
860	Extreme sensitivity of the spin-splitting and 0.7 anomaly to confining potential in one-dimensional nanoelectronic devices. *Nano Letters*, **2012**, 12, 4495-502	11.5	18
859	All-optical wavelength shifting in a semiconductor laser using resonant nonlinearities. *Nature Photonics*, **2012**, 6, 519-524	33.9	18

858	Hydrogen radical surface cleaning of GaAs for MBE regrowth. *Journal of Crystal Growth*, **1997**, 175-176, 416-421	1.6	18
857	Loss-coupled distributed feedback far-infrared quantum cascade lasers. *Electronics Letters*, **2005**, 41, 419	1.1	18
856	Local transport in a disorder-stabilized correlated insulating phase. *Physical Review B*, **2005**, 72,	3.3	18
855	Nonlinear transport in a single-mode one-dimensional electron gas. *The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties*, **1998**, 77, 1213-1218		18
854	Magnetoconductivity in a mesoscopic antidot array. *Physical Review B*, **1993**, 47, 7348-7353	3.3	18
853	Plastic deformation under microindentations in GaAs/AlAs superlattices. *Philosophical Magazine Letters*, **1993**, 67, 89-93	1	18
852	Vertical tunneling between two quantum dots in a transverse magnetic field. *Physical Review B*, **1994**, 49, 8071-8075	3.3	18
851	Bolometric detection of terahertz quantum cascade laser radiation with graphene-plasmonic antenna arrays. *Journal Physics D: Applied Physics*, **2017**, 50, 174001	3	17
850	Influence of surface states on quantum and transport lifetimes in high-quality undoped heterostructures. *Physical Review B*, **2013**, 87,	3.3	17
849	Repetition-frequency-tunable mode-locked surface emitting semiconductor laser between 2.78 and 7.87 GHz. *Optics Express*, **2011**, 19, 23453-9	3.3	17
848	Experimental Progress towards Probing the Ground State of an Electron-Hole Bilayer by Low-Temperature Transport. *Advances in Condensed Matter Physics*, **2011**, 2011, 1-22	1	17
847	Guiding a terahertz quantum cascade laser into a flexible silver-coated waveguide. *Journal of Applied Physics*, **2011**, 110, 063112	2.5	17
846	Metal□Insulator transition at B=0 in an ultra-low density two-dimensional hole gas. *Physica B: Condensed Matter*, **1998**, 249-251, 705-709	2.8	17
845	Scanning hall probe microscopy (SHPM) using quartz crystal AFM feedback. *Journal of Nanoscience and Nanotechnology*, **2008**, 8, 619-22	1.3	17
844	Substrate temperature measurement using a commercial band-edge detection system. *Journal of Crystal Growth*, **2007**, 301-302, 88-92	1.6	17
843	Surface-acoustic-wave-driven luminescence from a lateral p-n junction. *Applied Physics Letters*, **2006** , 89, 243505	3.4	17
842	Observation of the Purcell effect in high-index-contrast micropillars. *Applied Physics Letters*, **2007**, 90, 191911	3.4	17
841	Quantum dots as single-photon sources for quantum information processing. *Journal of Optics B: Quantum and Semiclassical Optics*, **2005**, 7, S129-S134		17

840	Buried waveguides in terahertz quantum cascade lasers based on two-dimensional surface plasmon modes. *Applied Physics Letters*, **2005**, 86, 071109	3.4	17
839	Inter- and intrasubband relaxation times in quantum wells measured by femtosecond time-resolved differential transmission. *Semiconductor Science and Technology*, **1996**, 11, 1173-1177	1.8	17
838	Compressibility studies of double electron and double hole gas systems. *Applied Physics Letters*, **1996**, 68, 3323-3325	3.4	17
837	Experimental investigation of the damping of low-frequency edge magnetoplasmons in GaAs-AlxGa1-xAs heterostructures. *Physical Review B*, **1994**, 50, 1582-1587	3.3	17
836	Thermal transport in free-standing semiconductor fine wires. *Superlattices and Microstructures*, **1991**, 9, 315-318	2.8	17
835	Integrated, Portable, Tunable, and Coherent Terahertz Sources and Sensitive Detectors Based on Layered Superconductors. *Proceedings of the IEEE*, **2020**, 108, 721-734	14.3	16
834	Energy-Tunable Quantum Dot with Minimal Fine Structure Created by Using Simultaneous Electric and Magnetic Fields. *Physical Review Applied*, **2014**, 1,	4.3	16
833	Structure and Thermoelectric Properties of BiSbTe Nanowires Grown in Flexible Nanoporous Polycarbonate Templates. *Materials*, **2017**, 10,	3.5	16
832	Growth variations and scattering mechanisms in metamorphic In0.75Ga0.25As/In0.75 Al0.25As quantum wells grown by molecular beam epitaxy. *Journal of Crystal Growth*, **2015**, 425, 70-75	1.6	16
831	On-chip generation and guiding of quantum light from a site-controlled quantum dot. *Applied Physics Letters*, **2014**, 104, 101108	3.4	16
830	Highly enhanced thermopower in two-dimensional electron systems at millikelvin temperatures. *Physical Review Letters*, **2009**, 103, 026602	7.4	16
829	Terahertz emission by diffusion of carriers and metal-mask dipole inhibition of radiation. *Optics Express*, **2012**, 20, 8898-906	3.3	16
828	Discrete mode tuning in terahertz quantum cascade lasers. *Optics Express*, **2012**, 20, B306-14	3.3	16
827	Size evolution of site-controlled InAs quantum dots grown by molecular beam epitaxy on prepatterned GaAs substrates. *Journal of Vacuum Science & Technology B*, **2006**, 24, 1523		16
826	Low threshold THz QC lasers with thin core regions. *Electronics Letters*, **2007**, 43, 285	1.1	16
825	Oxide-apertured microcavity single-photon emitting diode. *Applied Physics Letters*, **2007**, 90, 233514	3.4	16
824	Biphoton interference with a quantum dot entangled light source. *Optics Express*, **2007**, 15, 6507-12	3.3	16
823	Population inversion by resonant magnetic confinement in terahertz quantum-cascade lasers. *Applied Physics Letters*, **2003**, 83, 3453-3455	3.4	16

822	THz sideband generation at telecom wavelengths in a GaAs-based quantum cascade laser. *Applied Physics Letters*, **2005**, 87, 071101	3.4	16
821	Surface acoustic wave-induced electroluminescence intensity oscillation in planar light-emitting devices. *Applied Physics Letters*, **2005**, 86, 241107	3.4	16
820	Submonolayer growth of Fe on a GaAs(100)2×6 reconstructed surface. *Physical Review B*, **2005**, 72,	3.3	16
819	Coulomb charging effects in an open quantum dot device. *Journal of Physics Condensed Matter*, **2001**, 13, 9515-9534	1.8	16
818	Variation of surface morphology with substrate temperature for molecular beam epitaxially grown GaSb(100) on GaAs(100). *Applied Physics Letters*, **1996**, 69, 1468-1470	3.4	16
817	Direct measurement of the band structure of a one-dimensional surface superlattice. *Physical Review Letters*, **1996**, 76, 3802-3805	7.4	16
816	Accidental golf club injuries. *Postgraduate Medical Journal*, **1991**, 67, 982-3	2	16
815	Lattice heating of free-standing ultra-fine GaAs wires by hot electrons. *Semiconductor Science and Technology*, **1992**, 7, B231-B234	1.8	16
814	Electron relaxation times in high-carrier-density GaAs-(Ga,Al)As heterojunctions. *Physical Review B*, **1992**, 46, 10207-10214	3.3	16
813	Hyperostosis frontalis interna, acromegaly and hyperprolactinaemia. *Postgraduate Medical Journal*, **1990**, 66, 16-9	2	16
812	Hierarchy of modes in an interacting one-dimensional system. *Physical Review Letters*, **2015**, 114, 196401	7.4	15
811	Interplay of spin–orbit coupling and superconducting correlations in germanium telluride thin films. *Physica Status Solidi - Rapid Research Letters*, **2016**, 10, 253-259	2.5	15
810	Controlled spatial separation of spins and coherent dynamics in spin-orbit-coupled nanostructures. *Nature Communications*, **2017**, 8, 15997	17.4	15
809	Continuous-Wave Reflection Imaging Using Optical Feedback Interferometry in Terahertz and Mid-Infrared Quantum Cascade Lasers. *IEEE Transactions on Terahertz Science and Technology*, **2014**, 4, 631-633	3.4	15
808	Passively harmonically mode-locked vertical-external-cavity surface-emitting laser emitting 1.1 ps pulses at 147 GHz repetition rate. *Applied Physics Letters*, **2010**, 97, 251101	3.4	15
807	Gain enhancement in a terahertz quantum cascade laser with parylene antireflection coatings. *Applied Physics Letters*, **2011**, 98, 101102	3.4	15
806	Probing quantum efficiency by laser-induced hot-electron cooling. *Applied Physics Letters*, **2009**, 94, 021115	3.4	15
805	Resonant tunneling spectroscopy of interacting localized states: Observation of the correlated current through two impurities. *Physical Review B*, **1997**, 56, R15533-R15536	3.3	15

804	Coherent control of cyclotron emission from a semiconductor using sub-picosecond electric field transients. *Applied Physics Letters*, **1997**, 71, 2647-2649	3.4	15
803	Terahertz magnetoconductivity of excitons and electrons in quantum cascade structures. *Physical Review B*, **2008**, 77,	3.3	15
802	A THz quantum cascade detector in a strong perpendicular magnetic field. *Semiconductor Science and Technology*, **2006**, 21, 1743-1746	1.8	15
801	Noninvasive detection of the evolution of the charge states of a double dot system. *Physical Review B*, **2004**, 69,	3.3	15
800	On the low-field insulator-quantum Hall conductor transitions. *Physica E: Low-Dimensional Systems and Nanostructures*, **2004**, 22, 240-243	3	15
799	Coulomb blockade directional coupler. *Applied Physics Letters*, **2005**, 86, 052102	3.4	15
798	Anomalous spin-dependent behavior of one-dimensional subbands. *Physical Review B*, **2005**, 72,	3.3	15
797	Electron Density Dependence of the Excitonic Absorption Thresholds of GaAs Quantum Wells. *Physica Status Solidi A*, **2000**, 178, 465-470		15
796	Ferromagnetic metal/semiconductor hybrid structures for magnetoelectronics. *Journal of Applied Physics*, **1999**, 85, 5369-5371	2.5	15
795	Raman scattering lineshapes in GaAs and InP. *Solid State Communications*, **1996**, 100, 263-267	1.6	15
794	Low-frequency edge excitations in an electrostatically confined GaAs-AlGaAs two-dimensional electron gas. *Journal of Physics Condensed Matter*, **1993**, 5, 7643-7648	1.8	15
793	The Aharonov-Bohm effect in the fractional quantum Hall regime. *Journal of Physics Condensed Matter*, **1994**, 6, L725-L730	1.8	15
792	Quantum interference in variable range hopping under directional constraints. *Physical Review B*, **1989**, 40, 10052-10055	3.3	15
791	Surface-plasmon-enhanced photodetection in planar Au?GaAs schottky junctions. *Thin Solid Films*, **1990**, 189, 27-38	2.2	15
790	A Terahertz Chiral Metamaterial Modulator. *Advanced Optical Materials*, **2020**, 8, 2000581	8.1	15
789	Imaging the Zigzag Wigner Crystal in Confinement-Tunable Quantum Wires. *Physical Review Letters* , **2018**, 121, 106801	7.4	15
788	Matrix metalloproteinase expression is related to angiogenesis and histologic grade in spindle cell soft tissue neoplasms of the extremities. *American Journal of Clinical Pathology*, **2005**, 123, 405-14	1.9	15
787	Nonlinear spectra of spinons and holons in short GaAs quantum wires. *Nature Communications*, **2016**, 7, 12784	17.4	14

786	Electrical Control of the Zeeman Spin Splitting in Two-Dimensional Hole Systems. *Physical Review Letters*, **2018**, 121, 077701	7.4	14
785	Fluence and polarisation dependence of GaAs based Lateral Photo-Dember terahertz emitters. *Optics Express*, **2014**, 22, 3234-43	3.3	14
784	Terahertz optical modulator based on metamaterial split-ring resonators and graphene. *Optical Engineering*, **2014**, 53, 057108	1.1	14
783	Electric field sampling of modelocked pulses from a quantum cascade laser. *Optics Express*, **2013**, 21, 16162-9	3.3	14
782	Ultra-shallow quantum dots in an undoped GaAs/AlGaAs two-dimensional electron gas. *Applied Physics Letters*, **2013**, 102, 103507	3.4	14
781	Possible effect of collective modes in zero magnetic field transport in an electron-hole bilayer. *Physical Review B*, **2009**, 80,	3.3	14
780	Spectral behavior of a terahertz quantum-cascade laser. *Optics Express*, **2009**, 17, 20476-83	3.3	14
779	Effect of defect saturation on terahertz emission and detection properties of low temperature GaAs photoconductive switches. *Applied Physics Letters*, **2009**, 95, 051106	3.4	14
778	Low temperature transport in undoped mesoscopic structures. *Applied Physics Letters*, **2009**, 94, 172105	3.4	14
777	Tunable electron-hole gases in gated InAs/GaSb/AlSb systems. *Applied Physics Letters*, **1997**, 70, 481-483	3.4	14
776	Effect of screening long-range Coulomb interactions on the metallic behavior in two-dimensional hole systems. *Physical Review B*, **2008**, 77,	3.3	14
775	Three key questions on fractal conductance fluctuations: Dynamics, quantization, and coherence. *Physical Review B*, **2004**, 70,	3.3	14
774	Surface acoustic wave-driven planar light-emitting device. *Applied Physics Letters*, **2004**, 85, 3020-3022	3.4	14
773	Evolution of the bilayer □1 quantum Hall state under charge imbalance. *Physical Review B*, **2005**, 71,	3.3	14
772	Electron correlations in an electron bilayer at finite temperature: Landau damping of the acoustic plasmon. *Journal of Physics Condensed Matter*, **2000**, 12, 439-466	1.8	14
771	Case report: benign giant cell tumour associated with Paget's disease of bone. *Clinical Radiology*, **1995**, 50, 269-71	2.9	14
770	Hot-electron relaxation via the emission of GaAs optical modes and AlAs interface modes in GaAs/AlAs multi-quantum wells. *Semiconductor Science and Technology*, **1994**, 9, 782-785	1.8	14
769	Large transconductances observed in an independently contacted coupled double quantum well. *Applied Physics Letters*, **1994**, 64, 3018-3020	3.4	14

768	Single-electron tunneling and Coulomb charging effects in ultrasmall double-barrier heterostructures. *Solid-State Electronics*, **1994**, 37, 793-799	1.7	14
767	Raman studies of plasmon modes in a drifting two-dimensional electron gas. *Journal of Applied Physics*, **1994**, 76, 1701-1705	2.5	14
766	Quantum ballistic transport through a zero-dimensional structure. *Superlattices and Microstructures* , **1989**, 5, 599-602	2.8	14
765	Electron interactions in the two-dimensional electron-gas base of a vertical hot-electron transistor. *Physical Review B*, **1990**, 42, 11415-11418	3.3	14
764	Enhanced indistinguishability of in-plane single photons by resonance fluorescence on an integrated quantum dot. *Applied Physics Letters*, **2016**, 109, 151112	3.4	14
763	Resonance fluorescence from a telecom-wavelength quantum dot. *Applied Physics Letters*, **2016**, 109, 163104	3.4	14
762	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	7.4	14
761	Long-term transmission of entangled photons from a single quantum dot over deployed fiber. *Scientific Reports*, **2019**, 9, 4111	4.9	13
760	Single-photon emission from single-electron transport in a SAW-driven lateral light-emitting diode. *Nature Communications*, **2020**, 11, 917	17.4	13
759	A quantum dot single photon source driven by resonant electrical injection. *Applied Physics Letters*, **2013**, 103, 162108	3.4	13
758	Band gaps of wurtzite ScxGa1⊠N alloys. *Applied Physics Letters*, **2015**, 106, 132103	3.4	13
757	Dual wavelength emission from a terahertz quantum cascade laser. *Applied Physics Letters*, **2010**, 96, 051120	3.4	13
756	Nuclear spin coherence in a quantum wire. *Physical Review B*, **2009**, 80,	3.3	13
755	Odd-even spin effects and variation of g factor in a quasi-one-dimensional subband. *Physical Review B*, **2009**, 79,	3.3	13
754	Resonant tuning fork detector for THz radiation. *Optics Express*, **2009**, 17, 14069-74	3.3	13
753	Electrical determination of the spin relaxation time of photoexcited electrons in GaAs. *Applied Physics Letters*, **2010**, 96, 022505	3.4	13
752	Smoothening of ultrathin Fe films grown on GaAs(100) observed by scanning tunneling microscopy and Brillouin light scattering. *Physical Review B*, **2007**, 76,	3.3	13
751	Advances in THz quantum cascade lasers: fulfilling the application potential **2005**, 5738, 146		13

750	Terahertz quantum cascade lasers. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2004**, 362, 215-29; discussion 229-31	3	13
749	Acoustoelectric current transport through a double quantum dot. *Physical Review B*, **2005**, 72,	3.3	13
748	Localisation and the metal□nsulator transition in two dimensions. *Physica B: Condensed Matter*, **2001**, 296, 21-31	2.8	13
747	Multilayered gated lateral quantum dot devices. *Applied Physics Letters*, **2000**, 76, 1134-1136	3.4	13
746	Electron transport across a wide AlGaAs barrier. *Journal of Applied Physics*, **1993**, 74, 5606-5621	2.5	13
745	Analytical model of a one-dimensional constriction with many occupied subbands: Calculation and experiment. *Physical Review B*, **1994**, 49, 11500-11503	3.3	13
744	Non-linear Doppler shift of the plasmon resonance in a grating-coupled drifting 2DEG. *Journal of Infrared, Millimeter and Terahertz Waves*, **1993**, 14, 1237-1249		13
743	Quantum conductivity corrections in free-standing and supported n+-GaAs wires. *Journal of Physics Condensed Matter*, **1990**, 2, 1807-1815	1.8	13
742	Molecular Spectroscopy with TeraHertz Quantum Cascade Lasers. *Journal of Nanoelectronics and Optoelectronics*, **2007**, 2, 101-107	1.3	13
741	Graphene-loaded metal wire grating for deep and broadband THz modulation in total internal reflection geometry. *Photonics Research*, **2018**, 6, 1151	6	13
740	A tuneable telecom wavelength entangled light emitting diode deployed in an installed fibre network. *Communications Physics*, **2020**, 3,	5.4	13
739	Continuous-variable tomography of solitary electrons. *Nature Communications*, **2019**, 10, 5298	17.4	13
738	Phase-locked arrays of surface-emitting graded-photonic-heterostructure terahertz semiconductor lasers. *Optics Express*, **2015**, 23, 6915-23	3.3	12
737	Highly efficient surface-emitting semiconductor lasers exploiting quasi-crystalline distributed feedback photonic patterns. *Light: Science and Applications*, **2020**, 9, 54	16.7	12
736	Few-second-long correlation times in a quantum dot nuclear spin bath probed by frequency-comb nuclear magnetic resonance spectroscopy. *Nature Physics*, **2016**, 12, 688-693	16.2	12
735	Mechanisms for Strong Anisotropy of In-Plane g-Factors in Hole Based Quantum Point Contacts. *Physical Review Letters*, **2017**, 119, 116803	7.4	12
734	The effect of metal-rich growth conditions on the microstructure of ScxGa1□N films grown using molecular beam epitaxy. *Physica Status Solidi (A) Applications and Materials Science*, **2015**, 212, 2837-2842	1.6	12
733	Hollow metallic waveguides integrated with terahertz quantum cascade lasers. *Optics Express*, **2014** , 22, 24439-49	3.3	12

732	Single mode terahertz quantum cascade amplifier. *Applied Physics Letters*, **2014**, 105, 141102	3.4	12
731	Unconventional metallicity and giant thermopower in a strongly interacting two-dimensional electron system. *Physical Review B*, **2012**, 86,	3.3	12
730	Demonstration and characterization of an ambipolar high mobility transistor in an undoped GaAs/AlGaAs quantum well. *Applied Physics Letters*, **2013**, 102, 082105	3.4	12
729	Rectification in mesoscopic alternating current-gated semiconductor devices. *Journal of Applied Physics*, **2013**, 114, 164505	2.5	12
728	Broad gain in a bound-to-continuum quantum cascade laser with heterogeneous active region. *Applied Physics Letters*, **2011**, 99, 241108	3.4	12
727	Dipolar spin waves of lateral magnetic superlattices. *Physical Review B*, **2010**, 82,	3.3	12
726	Wide dynamic range terahertz detector pixel for active spectroscopic imaging with quantum cascade lasers. *Applied Physics Letters*, **2009**, 95, 213501	3.4	12
725	Variable repetition frequency femtosecond-pulse surface emitting semiconductor laser. *Applied Physics Letters*, **2011**, 99, 131107	3.4	12
724	Excitonic couplings and Stark effect in individual quantum dot molecules. *Journal of Applied Physics*, **2011**, 110, 083511	2.5	12
723	Quantum communication using single photons from a semiconductor quantum dot emitting at a telecommunication wavelength. *Journal of Optics*, **2009**, 11, 054005		12
722	Surface decontamination of patterned GaAs substrates for molecular beam epitaxy regrowth using a hydrogen radical source. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **1997**, 15, 325		12
721	Surface-emitting photonic crystal terahertz quantum cascade lasers. *Applied Physics Letters*, **2008**, 93, 171112	3.4	12
720	Examination of surface acoustic wave reflections by observing acoustoelectric current generation under pulse modulation. *Applied Physics Letters*, **2006**, 89, 132102	3.4	12
719	Fano effect and Kondo effect in quantum dots formed in strongly coupled quantum wells. *Physical Review B*, **2006**, 73,	3.3	12
718	Amplification of terahertz radiation in quantum cascade structures. *Journal of Applied Physics*, **2007** , 102, 063101	2.5	12
717	Dynamic localization of two-dimensional electrons at mesoscopic length scales. *Physical Review B*, **2004**, 70,	3.3	12
716	Probing the annular electronic shell structure of a magnetic corral. *Physical Review B*, **2004**, 69,	3.3	12
715	Noninvasive lateral detection of Coulomb blockade in a quantum dot fabricated using atomic force microscopy. *Journal of Applied Physics*, **2004**, 95, 2557-2559	2.5	12

714	Electron Assisted Variable Range Hopping in Strongly Correlated 2D Electron Systems. *Physica Status Solidi (B): Basic Research*, **2002**, 230, 211-216	1.3	12
713	Detection of electron scattering in an isolated double quantum dot system. *Physica E: Low-Dimensional Systems and Nanostructures*, **2002**, 12, 830-832	3	12
712	Acoustoelectric current in submicron-separated quantum wires. *Applied Physics Letters*, **2005**, 86, 152105	3.4	12
711	Dependence of fractal conductance fluctuations on soft-wall profile in a double-layer semiconductor billiard. *Applied Physics Letters*, **2002**, 80, 4381-4383	3.4	12
710	Focused ion molecular-beam epitaxy a novel approach to 3D device fabrication using simultaneous p- and n-type doping. *Journal of Crystal Growth*, **1999**, 201-202, 12-16	1.6	12
709	Resonant resistance enhancement in double-quantum-well GaAs-AlxGa1-xAs heterostructures. *Physical Review B*, **1994**, 50, 8024-8027	3.3	12
708	The fractional quantum Hall effect in high mobility two-dimensional hole gases. *Surface Science*, **1992**, 263, 81-86	1.8	12
707	Selective area two-dimensional electron gas structures and in situ ohmic contacts patterned by focused ion beam doping during molecular beam epitaxial growth. *Journal of Crystal Growth*, **1993**, 127, 732-736	1.6	12
706	Two-dimensional electron gas base hot electron transistor. *Electronics Letters*, **1990**, 26, 862	1.1	12
705	Tunneling between totally quantized levels in GaAs/AlGaAs asymmetric triple-barrier heterostructures in high magnetic fields. *Applied Physics Letters*, **1991**, 59, 803-805	3.4	12
704	Switching between attractive and repulsive Coulomb-interaction-mediated drag in an ambipolar GaAs/AlGaAs bilayer device. *Applied Physics Letters*, **2016**, 108, 062102	3.4	12
703	High-resolution error detection in the capture process of a single-electron pump. *Applied Physics Letters*, **2016**, 108, 023502	3.4	12
702	Nature of the many-body excitations in a quantum wire: Theory and experiment. *Physical Review B*, **2016**, 93,	3.3	11
701	Intrinsic terahertz plasmon signatures in chemical vapour deposited graphene. *Applied Physics Letters*, **2013**, 103, 121110	3.4	11
700	On-Chip Andreev Devices: Hard Superconducting Gap and Quantum Transport in Ballistic Nb-In Ga As-Quantum-Well-Nb Josephson Junctions. *Advanced Materials*, **2017**, 29, 1701836	24	11
699	Stable single-mode operation of surface-emitting terahertz lasers with graded photonic heterostructure resonators. *Applied Physics Letters*, **2013**, 102, 231105	3.4	11
698	Modes in silver-iodide-lined hollow metallic waveguides mapped by terahertz near-field time-domain microscopy. *Journal of the Optical Society of America B: Optical Physics*, **2013**, 30, 127	1.7	11
697	Direct observation of nonequilibrium spin population in quasi-one-dimensional nanostructures. *Nano Letters*, **2010**, 10, 2330-4	11.5	11

696	Colossal nonsaturating linear magnetoresistance in two-dimensional electron systems at a GaAs/(Al,Ga)As heterointerface. *Physical Review B*, **2012**, 86,	3.3	11
695	Bernstein modes in grating-coupled 2DEGs. *Semiconductor Science and Technology*, **1996**, 11, 352-359	1.8	11
694	Effect of finite quantum-well width on the compressibility of a two-dimensional electron gas. *Physical Review B*, **1997**, 55, 6715-6718	3.3	11
693	Electron–electron scattering between closely spaced two-dimensional electron gases. *Physica B: Condensed Matter*, **1998**, 249-251, 868-872	2.8	11
692	Single-photon emitting diode based on a quantum dot in a micro-pillar. *Nanotechnology*, **2008**, 19, 345401	3.4	11
691	THz quantum cascade designs for optimized injection. *Physica E: Low-Dimensional Systems and Nanostructures*, **2008**, 40, 2207-2209	3	11
690	Growth-temperature optimization for low-carrier-density In0.75Ga0.25As-based high electron mobility transistors on InP. *Journal of Applied Physics*, **2007**, 102, 083518	2.5	11
689	MRI of giant cell tumour of tendon sheath and nodular synovitis of the foot and ankle. *Foot*, **2003**, 13, 19-29	1.3	11
688	Application of terahertz quantum-cascade lasers to semiconductor cyclotron resonance. *Optics Letters*, **2004**, 29, 122-4	3	11
687	Zero-bias anomaly and kondo-assisted quasiballistic 2D transport. *Physical Review Letters*, **2005**, 95, 066603	7.4	11
686	Magnetoplasmons in a Tunable Periodically Modulated Magnetic Field. *Physical Review Letters*, **1999**, 83, 4425-4428	7.4	11
685	Plasmon dispersion and electron heating in a drifting two-dimensional electron gas. *Physical Review B*, **1995**, 51, 2252-2258	3.3	11
684	Spatially resolved Raman scattering from hot acoustic and optic plasmons. *Physical Review B*, **1996**, 53, 11016-11024	3.3	11
683	Reentrant resonant tunneling. *Physical Review B*, **1996**, 54, 1502-1505	3.3	11
682	Measurements of a composite fermion split-gate device. *Physical Review B*, **1996**, 53, R7596-R7598	3.3	11
681	Wave function deformation and mobility of a two-dimensional electron gas in a backgated GaAs-AlGaAs heterostructure. *Applied Physics Letters*, **1993**, 62, 2522-2524	3.4	11
680	Electronic properties of a one-dimensional channel field effect transistor formed by molecular beam epitaxial regrowth on patterned GaAs. *Applied Physics Letters*, **1993**, 63, 2219-2221	3.4	11
679	Hopping in a low-mobility GaAs-AlGaAs heterojunction in the limit of low electronic concentrations. *Journal of Physics Condensed Matter*, **1990**, 2, 7367-7371	1.8	11

678	Investigation of hollow cylindrical metal terahertz waveguides suitable for cryogenic environments. *Optics Express*, **2016**, 24, 30002-30014	3.3	11
677	Coherence in single photon emission from droplet epitaxy and Stranski□Krastanov quantum dots in the telecom C-band. *Applied Physics Letters*, **2021**, 118, 014003	3.4	11
676	Zero-Magnetic Field Fractional Quantum States. *Physical Review Letters*, **2019**, 122, 086803	7.4	10
675	Manifestation of a non-Abelian Berry phase in a p-type semiconductor system. *Physical Review B*, **2016**, 93,	3.3	10
674	Disentangling surface and bulk transport in topological-insulator p□ junctions. *Physical Review B*, **2017**, 96,	3.3	10
673	Coherent detection of metal-metal terahertz quantum cascade lasers with improved emission characteristics. *Applied Physics Letters*, **2014**, 104, 081107	3.4	10
672	Double spin resonance in a spatially periodic magnetic field with zero average. *Europhysics Letters*, **2011**, 94, 28001	1.6	10
671	Evidence of gate-tunable topological excitations in two-dimensional electron systems. *Physical Review B*, **2011**, 83,	3.3	10
670	Compressibility measurements of quasi-one-dimensional quantum wires. *Physical Review Letters*, **2011**, 107, 126801	7.4	10
669	Signatures of an anomalous Nernst effect in a mesoscopic two-dimensional electron system. *Physical Review B*, **2011**, 83,	3.3	10
668	Differential near-field scanning optical microscopy with THz quantum cascade laser sources. *Optics Express*, **2009**, 17, 23785-92	3.3	10
667	Lateral transport studies of coupled electron gases. *Semiconductor Science and Technology*, **1996**, 11, 703-711	1.8	10
666	Tunnelling transmission resonances through a zero-dimensional structure. *Semiconductor Science and Technology*, **1997**, 12, 875-880	1.8	10
665	Frequency Manipulation of THz Bound-to-Continuum Quantum-Cascade Lasers. *IEEE Photonics Technology Letters*, **2008**, 20, 303-305	2.2	10
664	Radio-frequency reflectometry on large gated two-dimensional systems. *Review of Scientific Instruments*, **2008**, 79, 123901	1.7	10
663	Selective breakdown of quantum Hall edge states and non-monotonic Coulomb drag in a GaAs□AlGaAs electron□hole bilayer. *Physica E: Low-Dimensional Systems and Nanostructures*, **2008**, 40, 1693-1696	3	10
662	Spectral engineering of terahertz quantum cascade lasers using focused ion beam etched photonic lattices. *Electronics Letters*, **2006**, 42, 404	1.1	10
661	Multi-wavelength operation and vertical emission in THz quantum-cascade lasersa). *Journal of Applied Physics*, **2007**, 101, 081726	2.5	10

660	Short range scattering effect of InAs quantum dots in the transport properties of two dimensional electron gas. *Applied Physics Letters*, **2007**, 90, 152110	3.4	10
659	Molecular beam epitaxial growth of site-controlled InAs quantum dots on pre-patterned GaAs substrates. *Microelectronics Journal*, **2006**, 37, 1436-1439	1.8	10
658	Time-resolved studies of single quantum dots in magnetic fields. *Physica E: Low-Dimensional Systems and Nanostructures*, **2004**, 21, 381-384	3	10
657	Optical imaging of trion diffusion and drift in GaAs quantum wells. *Physical Review B*, **2003**, 68,	3.3	10
656	Optimum resonant tunnelling injection and influence of doping density on the performance of THz bound-to-continuum cascade lasers **2005**,		10
655	Interaction correction to the longitudinal conductivity and Hall resistivity in high-quality two-dimensional GaAs electron and hole systems. *Physical Review B*, **2005**, 72,	3.3	10
654	Formation and Recombination Dynamics of Charged Excitons in a GaAs Quantum Well. *Physica Status Solidi (B): Basic Research*, **2001**, 227, 297-306	1.3	10
653	Electron reflection and interference in the GaAs/AlAs-Al Schottky collector resonant-tunneling diode. *Physical Review B*, **1998**, 57, 1847-1854	3.3	10
652	Independently contacted electron–hole gas heterostructures fabricated with focused ion beam doping during molecular beam epitaxial growth. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **1999**, 17, 3226		10
651	Carrier dynamics and recombination processes of charged excitons in a GaAs/AlGaAs quantum well. *Physica B: Condensed Matter*, **1999**, 272, 412-415	2.8	10
650	Transition from one- to two-subband occupancy in the 2DEG of back-gated modulation-doped GaAs-AlxGa1-xAs heterostructures. *Physical Review B*, **1995**, 51, 17600-17604	3.3	10
649	Fabrication and physics of lateral superlattices with 40 nm pitch on high-mobility GaAs GaAlAs heterostructures. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **1992**, 10, 2904		10
648	Dopant patterning of MBE GaAs during growth by very low energy focussed tin ion beam deposition. *Surface Science*, **1992**, 267, 69-73	1.8	10
647	Isolated dislocation of the scaphoid. *Injury*, **1988**, 19, 405-6	2.5	10
646	Spin-Dependent Transport in Fe/GaAs(100)/Fe Vertical Spin-Valves. *Scientific Reports*, **2016**, 6, 29845	4.9	10
645	A complete laboratory for transport studies of electron-hole interactions in GaAs/AlGaAs ambipolar bilayers. *Applied Physics Letters*, **2017**, 110, 072105	3.4	9
644	Fano resonance in a cavity-reflector hybrid system. *Physical Review B*, **2017**, 95,	3.3	9
643	THz waveguide adapters for efficient radiation out-coupling from double metal THz QCLs. *Optics Express*, **2015**, 23, 5190-200	3.3	9

642	THz quantum cascade lasers based on a hyperuniform design **2015**,		9
641	Proximity induced superconductivity in indium gallium arsenide quantum wells. *Journal of Magnetism and Magnetic Materials*, **2018**, 459, 282-284	2.8	9
640	Momentum-dependent power law measured in an interacting quantum wire beyond the Luttinger limit. *Nature Communications*, **2019**, 10, 2821	17.4	9
639	Direct observation of exchange-driven spin interactions in one-dimensional system. *Applied Physics Letters*, **2017**, 111, 042107	3.4	9
638	Interference with a quantum dot single-photon source and a laser at telecom wavelength. *Applied Physics Letters*, **2015**, 107, 131106	3.4	9
637	Voltage control of electron-nuclear spin correlation time in a single quantum dot. *Physical Review B*, **2013**, 88,	3.3	9
636	Spiking computation and stochastic amplification in a neuron-like semiconductor microstructure. *Journal of Applied Physics*, **2011**, 109, 102408	2.5	9
635	Enhanced terahertz emission from a multilayered low temperature grown GaAs structure. *Applied Physics Letters*, **2010**, 96, 091101	3.4	9
634	Spin-injection device prospects for half-metallic Fe3O4:Al0.1Ga0.9As interfaces. *Journal of Applied Physics*, **2010**, 108, 034507	2.5	9
633	Terahertz imaging with a quantum cascade laser and amorphous-silicon microbolometer array **2009** ,		9
632	Commentary on ultrasound for initial evaluation and triage of clinically suspicious soft-tissue masses. *Clinical Radiology*, **2009**, 64, 622-3	2.9	9
631	Single- and few-electron dynamic quantum dots in a perpendicular magnetic field. *Journal of Applied Physics*, **2011**, 109, 102422	2.5	9
630	Longitudinal computer-generated holograms for digital frequency control in electronically tunable terahertz lasers. *Applied Physics Letters*, **2012**, 101, 121103	3.4	9
629	Enhancement of edge channel transport by a low-frequency irradiation. *Physical Review B*, **2012**, 86,	3.3	9
628	Finite size effects in surface emitting Terahertz quantum cascade lasers. *Optics Express*, **2009**, 17, 6703-9	3.3	9
627	Non-equilibrium transport along an edge of variable slope in the fractional quantum Hall regime. *Physica B: Condensed Matter*, **1998**, 249-251, 405-409	2.8	9
626	Skyrmion□hole excitations at □1 studied by photoluminescence spectroscopy. *Physica B: Condensed Matter*, **1998**, 249-251, 544-548	2.8	9
625	Bychkov□Rashba dominated band structure in an In0.75Ga0.25As□In0.75Al0.25As device with spin-split carrier densities of . *Journal of Physics Condensed Matter*, **2008**, 20, 472207	1.8	9

624	Controlled positive and negative surface charge injection and erasure in a GaAs/AlGaAs based microdevice by scanning probe microscopy. *Nanotechnology*, **2008**, 19, 045304	3.4	9
623	From insulator to quantum Hall liquid at low magnetic fields. *Physical Review B*, **2008**, 78,	3.3	9
622	Waveguide coupled terahertz photoconductive antennas: Toward integrated photonic terahertz devices. *Applied Physics Letters*, **2008**, 92, 163502	3.4	9
621	Tuning the emission frequency of a 2THz quantum cascade laser by altering the total thickness of the structure. *Journal of Crystal Growth*, **2007**, 301-302, 935-940	1.6	9
620	Strongly bias-dependent spin injection from Fe into n-type GaAs. *Physical Review B*, **2007**, 75,	3.3	9
619	Controlling the polarization correlation of photon pairs from a charge-tunable quantum dot. *Applied Physics Letters*, **2007**, 91, 011114	3.4	9
618	Temporal characteristics of surface-acoustic-wave-driven luminescence from a lateral p-n junction. *Applied Physics Letters*, **2007**, 91, 013506	3.4	9
617	Huge positive magnetoresistance of GaAs□AlGaAs high electron mobility transistor structures at high temperatures. *Applied Physics Letters*, **2007**, 90, 252106	3.4	9
616	Single quantum dot electroluminescence near. *Physica E: Low-Dimensional Systems and Nanostructures*, **2004**, 21, 390-394	3	9
615	0.7 Analogue structures and exchange interactions in quantum wires. *Solid State Communications*, **2004**, 131, 591-597	1.6	9
614	Selective spin-resolved edge-current injection into a quantum antidot. *Physical Review B*, **2003**, 68,	3.3	9
613	Strong directional dependence of single-quantum-dot fine structure. *Applied Physics Letters*, **2005**, 87, 133120	3.4	9
612	Delayed presentation of pseudoaneurysm complicating closed humeral fracture: MR diagnosis. *Skeletal Radiology*, **2001**, 30, 648-51	2.7	9
611	Observation of the effect of electron-electron scattering on the impurity-limited resistivity of a two-dimensional electron gas. *Physical Review B*, **1995**, 51, 13793-13796	3.3	9
610	Transport properties of a wide-quantum-well velocity modulation transistor structure. *Semiconductor Science and Technology*, **1994**, 9, 1744-1747	1.8	9
609	Weak localization and electron-electron interactions in a two-dimensional grid lateral surface superlattice. *Physical Review B*, **1994**, 49, 8518-8521	3.3	9
608	One-dimensional ballistic channel with a triple-barrier longitudinal potential: Measurement and model. *Physical Review B*, **1994**, 49, 14078-14080	3.3	9
607	The influence of inter-subband interactions and self-consistent effects on the magnetotransport in GaAs-(Ga,Al) as heterojunctions with two populated subbands. *Superlattices and Microstructures*, **1991**, 9, 55-58	2.8	9

606	The growth and characterisation of back-gated high mobility two-dimensional electron gas structures. *Journal of Crystal Growth*, **1991**, 111, 300-304	1.6	9
605	The growth of shallow high mobility two-dimensional electron gas structures. *Journal of Crystal Growth*, **1991**, 111, 305-308	1.6	9
604	Transport properties of closely separated two-dimensional electron gases in a channel-doped back gated high electron mobility transistor. *Applied Physics Letters*, **1992**, 60, 3268-3270	3.4	9
603	Selective metalorganic reactive ion etching of molecular-beam epitaxy GaAs/AlxGa1−xAs. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **1989**, 7, 1479		9
602	The effect of low-energy Ga ions on GaAs/AlGaAs heterostructures. *Semiconductor Science and Technology*, **1990**, 5, 385-390	1.8	9
601	Outcome of image-guided biopsies: Retrospective review of the West of Scotland musculoskeletal oncology service. *Journal of the Royal College of Surgeons of Edinburgh*, **2016**, 14, 87-90	2.5	8
600	Using Transmissive Photonic Band Edge Shift to Detect Explosives: A Study with 2,4,6-Trinitrotoluene (TNT). *ACS Photonics*, **2017**, 4, 384-395	6.3	8
599	Probing the Topological Surface State in Bi2Se3 Thin Films Using Temperature-Dependent Terahertz Spectroscopy. *ACS Photonics*, **2017**, 4, 2711-2718	6.3	8
598	Continuous-wave laser operation of a dipole antenna terahertz microresonator. *Light: Science and Applications*, **2017**, 6, e17054	16.7	8
597	Demonstration of a fully integrated superconducting receiver with a 2.7 THz quantum cascade laser. *Optics Express*, **2015**, 23, 4453-8	3.3	8
596	Gigahertz-Clocked Teleportation of Time-Bin Qubits with a Quantum Dot in the Telecommunication C Band. *Physical Review Applied*, **2020**, 13,	4.3	8
595	Temperature Dependence of Spin-Split Peaks in Transverse Electron Focusing. *Nanoscale Research Letters*, **2017**, 12, 553	5	8
594	Multi-dimensional photonic states from a quantum dot. *Quantum Science and Technology*, **2018**, 3, 024008	3.5	8
593	Engineering the spin polarization of one-dimensional electrons. *Journal of Physics Condensed Matter*, **2018**, 30, 08LT01	1.8	8
592	Pulse control protocols for preserving coherence in dipolar-coupled nuclear spin baths. *Nature Communications*, **2019**, 10, 3157	17.4	8
591	Evidence of Novel Quasiparticles in a Strongly Interacting Two-Dimensional Electron System: Giant Thermopower and Metallic Behaviour. *Journal of Low Temperature Physics*, **2013**, 171, 626-631	1.3	8
590	Quantum key distribution with an entangled light emitting diode. *Applied Physics Letters*, **2015**, 107, 261101	3.4	8
589	Density-dependent thermopower oscillations in mesoscopic two-dimensional electron gases. *New Journal of Physics*, **2014**, 16, 085009	2.9	8

588	In-plane emission of indistinguishable photons generated by an integrated quantum emitter. *Applied Physics Letters*, **2014**, 104, 221109	3.4	8
587	Noncollinear paramagnetism of a GaAs two-dimensional hole system. *Physical Review Letters*, **2014**, 113, 236401	7.4	8
586	On the direct insulator-quantum Hall transition in two-dimensional electron systems in the vicinity of nanoscaled scatterers. *Nanoscale Research Letters*, **2011**, 6, 131	5	8
585	Quantification of emulsified water content in oil using a terahertz quantum cascade laser **2009**,		8
584	Spin current depolarization under high electric fields in undoped InGaAs. *Applied Physics Letters*, **2011**, 98, 242104	3.4	8
583	Disorder and Interaction Effects in Quantum Wires. *Journal of Physics: Conference Series*, **2012**, 376, 012018	0.9	8
582	Benefits of using undoped GaAs/AlGaAs heterostructures: A case study of the zero-bias bias anomaly in quantum wires. *Physica E: Low-Dimensional Systems and Nanostructures*, **2010**, 42, 1200-1204	3	8
581	Magnetic field studies of Coulomb drag in a coupled double quantum well system. *Semiconductor Science and Technology*, **1997**, 12, 309-313	1.8	8
580	Selective area epitaxy of GaAs using very low energy Ga+ focused ion beam deposition combined with molecular beam epitaxial growth. *Journal of Crystal Growth*, **1997**, 175-176, 398-403	1.6	8
579	Thermopower measurements of semiconductor quantum dots. *Physica B: Condensed Matter*, **1998**, 249-251, 281-285	2.8	8
578	Many-body interactions, the quantum Hall effect, and insulating phases in bilayer two-dimensional hole-gas systems. *Physica B: Condensed Matter*, **1998**, 249-251, 819-823	2.8	8
577	Case report: Fracture of an ossified Achilles tendon - MR appearances. *Clinical Radiology*, **1998**, 53, 538-40	2.9	8
576	Spin-orbit coupling in an In0.52Ga0.48As quantum well with two populated subbands. *Journal of Applied Physics*, **2008**, 103, 124506	2.5	8
575	High-performance millimeter-wave superlattice electronic devices. *Applied Physics Letters*, **2008**, 93, 182105	3.4	8
574	The 0.7 anomaly in one-dimensional hole quantum wires. *Journal of Physics Condensed Matter*, **2008** , 20, 164205	1.8	8
573	Intensity detection of terahertz quantum cascade laser radiation using electro-optic sampling. *Applied Physics Letters*, **2008**, 93, 191111	3.4	8
572	Frequency Characterization of a Terahertz Quantum-Cascade Laser. *IEEE Transactions on Instrumentation and Measurement*, **2007**, 56, 262-265	5.2	8
571	Measurement of Coulomb-energy-dependent tunnelling rates in surface-acoustic-wave-defined dynamic quantum dots. *Physica E: Low-Dimensional Systems and Nanostructures*, **2008**, 40, 1136-1138	3	8

570	Entangled photons from the biexciton cascade of quantum dotsa). *Journal of Applied Physics*, **2007**, 101, 081711	2.5	8
569	Interactions in 2D electron and hole systems in the intermediate and ballistic regimes. *Journal of Physics A*, **2003**, 36, 9249-9262		8
568	Gradual decrease of conductance of an adiabatic ballistic constriction below 2e2/h. *Physical Review B*, **2004**, 70,	3.3	8
567	Imaging electrostatic microconstrictions in long 1D wires. *Physica E: Low-Dimensional Systems and Nanostructures*, **2002**, 12, 695-698	3	8
566	Effect of temperature and magnetic field on the 0.7 structure in a ballistic one-dimensional wire. *Physica E: Low-Dimensional Systems and Nanostructures*, **2002**, 12, 708-710	3	8
565	Detection of single photons using a field effect transistor with a layer of quantum dots. *Measurement Science and Technology*, **2002**, 13, 1721-1726	2	8
564	Electron dynamics of a two-dimensional electron gas with a random array of InAs quantum dots. *Physical Review B*, **1999**, 60, 7780-7783	3.3	8
563	Intrinsic coupling mechanisms between two-dimensional electron systems in double quantum well structures. *Physical Review B*, **1999**, 59, 7669-7678	3.3	8
562	Frictional drag between closely spaced two-dimensional electron gases. *Surface Science*, **1996**, 361-362, 134-137	1.8	8
561	Variation of the confinement potential of a quasi-one-dimensional electron gas by lateral p-n junctions. *Applied Physics Letters*, **1996**, 68, 1708-1710	3.4	8
560	Temperature limits for ballistic quantization in a GaAs/AlGaAs one-dimensional constriction. *Journal of Physics Condensed Matter*, **1993**, 5, L559-L564	1.8	8
559	Coulomb blockade in small quantum dots. *Scripta Materialia*, **1993**, 3, 283-291		8
558	Low-field magnetotransport study of localization in a mesoscopic antidot array. *Physical Review B*, **1993**, 47, 7354-7360	3.3	8
557	Effect of ion energy on Sn donor activation and defect production in molecular beam epitaxy GaAs doped with Sn ions during growth. *Journal of Applied Physics*, **1993**, 74, 4375-4381	2.5	8
556	Anisotropic magnetotransport in two-dimensional electron gases on (311)B GaAs substrates. *Journal of Physics Condensed Matter*, **1994**, 6, 6131-6138	1.8	8
555	Effect of the proximity of an ex situ patterned interface on the quality of two-dimensional electron gases at GaAs/AlGaAs heterojunctions. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **1994**, 12, 1290		8
554	Low-frequency edge magnetoplasmons in the quantum Hall regime under conditions of reduced Coulomb interaction. *Journal of Physics Condensed Matter*, **1992**, 4, 3955-3960	1.8	8
553	Differential negative resistance in a one-dimensional mesoscopic system due to single-electron tunnelling. *Journal of Physics Condensed Matter*, **1990**, 2, 2105-2109	1.8	8

552	Ultrasound diagnosis of profunda femoris pseudo-aneurysm following nail-plate fixation of a transcervical femoral fracture. *British Journal of Radiology*, **1987**, 60, 502-4	3.4	8
551	Pictorial essay: tumours and pseudotumours of sacrum. *Canadian Association of Radiologists Journal* , **2014**, 65, 113-20	3.9	7
550	Terahertz probe of individual subwavelength objects in a water environment. *Laser and Photonics Reviews*, **2014**, 8, 734-742	8.3	7
549	Stabilization and mode locking of terahertz quantum cascade lasers. *IEEE Journal of Selected Topics in Quantum Electronics*, **2013**, 19, 8501011-8501011	3.8	7
548	Dependence of the 0.7 anomaly on the curvature of the potential barrier in quantum wires. *Physical Review B*, **2015**, 91,	3.3	7
547	A hybrid plasmonic waveguide terahertz quantum cascade laser. *Applied Physics Letters*, **2015**, 106, 082101	3.4	7
546	Spatial mapping and statistical reproducibility of an array of 256 one-dimensional quantum wires. *Journal of Applied Physics*, **2015**, 118, 075703	2.5	7
545	Hybrid architecture for shallow accumulation mode AlGaAs/GaAs heterostructures with epitaxial gates. *Applied Physics Letters*, **2015**, 106, 012105	3.4	7
544	Terahertz near-field imaging using subwavelength plasmonic apertures and a quantum cascade laser source. *Optics Letters*, **2011**, 36, 2393-5	3	7
543	Charge trapping in quantum dot memory devices with different dot densities. *Journal Physics D: Applied Physics*, **2010**, 43, 225101	3	7
542	Continuous-wave operation of 2.7 THz photonic crystal quantum cascade lasers. *Electronics Letters*, **2010**, 46, 1513	1.1	7
541	Use of very low energy in situ focused ion beams for three-dimensional dopant patterning during molecular beam epitaxial growth. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **1996**, 14, 3933		7
540	Distributed Feedback THz Quantum-Cascade Lasers Using Thin Double-Metallic Gratings. *IEEE Photonics Technology Letters*, **2008**, 20, 857-859	2.2	7
539	Spin effects in one-dimensional systems. *Journal of Physics Condensed Matter*, **2008**, 20, 164213	1.8	7
538	Improved wall plug efficiency of a 1.9THz quantum cascade laser by an automated design approach. *Applied Physics Letters*, **2008**, 93, 191119	3.4	7
537	Energy-dependent electron-electron scattering and spin dynamics in a two-dimensional electron gas. *Physical Review B*, **2008**, 77,	3.3	7
536	Experimental position-time entanglement with degenerate single photons. *Physical Review A*, **2008**, 77,	2.6	7
535	Tuning the confinement strength in a split-gate quantum wire. *Physica E: Low-Dimensional Systems and Nanostructures*, **2008**, 40, 1645-1647	3	7

534	Examination of multiply reflected surface acoustic waves by observing acoustoelectric current generation under pulse modulation. *Physical Review B*, **2006**, 74,	3.3	7
533	Decay of long-lived quantum Hall induced currents in 2D electron systems. *New Journal of Physics*, **2007**, 9, 71-71	2.9	7
532	. *Proceedings of the IEEE*, **2007**, 95, 1805-1814	14.3	7
531	Novel breakdown of the quantum Hall effect: An example of self-organised criticality?. *Europhysics Letters*, **2006**, 75, 287-293	1.6	7
530	Quantum cascade lasers emitting at lambda greater than 100 [micro sign]m. *Electronics Letters*, **2003**, 39, 1254	1.1	7
529	Unusual conductance collapse in one-dimensional quantum structures. *Journal of Physics Condensed Matter*, **2004**, 16, L279-L286	1.8	7
528	Density-dependent instabilities in correlated two dimensional electron systems. *Journal of Physics Condensed Matter*, **2004**, 16, 3623-3631	1.8	7
527	Shot noise in mesoscopic transport through localised states. *Physica Status Solidi (B): Basic Research* , **2004**, 241, 26-32	1.3	7
526	0.7 Structure in quantum wires observed at crossings of spin-polarised 1D subbands. *Physica E: Low-Dimensional Systems and Nanostructures*, **2004**, 22, 264-267	3	7
525	GaAs facet formation and progression during MBE overgrowth of patterned mesas. *Journal of Crystal Growth*, **2005**, 278, 482-487	1.6	7
524	Transport properties of two-dimensional electron gases containing linear ordering InAs self-assembled quantum dots. *Applied Physics Letters*, **2001**, 78, 3896-3898	3.4	7
523	Tunneling gap collapse and v=2 quantum Hall state in a bilayer electron system. *Physical Review B*, **2002**, 66,	3.3	7
522	Current breakdown of the integer and fractional quantum Hall effects detected by torque magnetometry. *Physica E: Low-Dimensional Systems and Nanostructures*, **2000**, 6, 140-143	3	7
521	Ferromagnetic metal/semiconductor heterostructures for magneto-electronic devices. *Sensors and Actuators A: Physical*, **2000**, 81, 258-262	3.9	7
520	The propagation of low-frequency edge excitations in a two-dimensional electron gas in the IQHE regime. *Journal of Physics Condensed Matter*, **1995**, 7, L435-L443	1.8	7
519	Fermi-edge-induced magnetophotoluminescence in high-carrier-density single heterojunctions. *Physical Review B*, **1993**, 47, 1282-1291	3.3	7
518	Enhancement of intersubband transition probability in a one-dimensional constriction. *Physical Review B*, **1993**, 47, 4088-4091	3.3	7
517	Raman studies of intrasubband plasmons in laterally modulated two-dimensional electron gases. *Physical Review B*, **1994**, 50, 14161-14165	3.3	7

516	Optimization of high mobility two-dimensional hole gases. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **1994**, 12, 1296		7
515	Energy and momentum relaxation of electrons in GaAs/GaAlAs HEMT structures. *Semiconductor Science and Technology*, **1991**, 6, 175-180	1.8	7
514	An unusual presentation of pulmonary alveolar microlithiasis and diaphyseal aclasia. *British Journal of Radiology*, **1992**, 65, 178-81	3.4	7
513	Raman studies of intrasubband plasmon dispersion for a single 2DEG under a Schottky gate. *Solid State Communications*, **1993**, 87, 517-521	1.6	7
512	The fabrication of back-gated high electron mobility transistors a novel approach using MBE regrowth on an in situ ion beam patterned epilayer. *Journal of Crystal Growth*, **1993**, 127, 41-45	1.6	7
511	Low-field magnetotransport in p-type GaAs in the regime of variable-range-hopping conductivity. *Physical Review B*, **1990**, 41, 8572-8575	3.3	7
510	Experimental Studies of Low-Field Landau Quantization in Two-Dimensional Electron Systems in GaAs/AlGaAs Heterostructures. *Journal of the Korean Physical Society*, **2007**, 50, 776	0.6	7
509	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	1.8	7
508	Spatiotemporal continuum generation in polariton waveguides. *Light: Science and Applications*, **2019**, 8, 6	16.7	7
507	Systematic Study of Ferromagnetism in CrSbTe Topological Insulator Thin Films using Electrical and Optical Techniques. *Scientific Reports*, **2018**, 8, 17024	4.9	7
506	A quantum dot as a source of time-bin entangled multi-photon states. *Quantum Science and Technology*, **2019**, 4, 025011	5.5	6
505	Data analysis and review of radiology services at Glasgow 2014 Commonwealth Games. *Skeletal Radiology*, **2015**, 44, 1477-83	2.7	6
504	Sensitive radiofrequency readout of quantum dots using an ultra-low-noise SQUID amplifier. *Journal of Applied Physics*, **2020**, 127, 244503	2.5	6
503	Coherent Spin Amplification Using a Beam Splitter. *Physical Review Letters*, **2018**, 120, 137701	7.4	6
502	Ultrafast electrical control of a resonantly driven single photon source. *Applied Physics Letters*, **2014**, 105, 051112	3.4	6
501	Quantized escape and formation of edge channels at high Landau levels and edge transport mediated zero-differential resistance states. *Physical Review B*, **2014**, 90,	3.3	6
500	Multiple lateral photo-Dember terahertz emitters illuminated by a cylindrical micro-lens array. *Applied Physics Letters*, **2013**, 103, 252101	3.4	6
499	Electronically tunable aperiodic distributed feedback terahertz lasers. *Journal of Applied Physics*, **2013**, 113, 203103	2.5	6

498	Reversible mode switching in Y-coupled terahertz lasers. *Applied Physics Letters*, **2013**, 102, 111105	3.4	6
497	MBE growth of In(Ga)As quantum dots for entangled light emission. *Journal of Crystal Growth*, **2009**, 311, 1811-1814	1.6	6
496	Probing temperature-driven flow lines in a gated two-dimensional electron gas with tunable spin-splitting. *Journal of Physics Condensed Matter*, **2012**, 24, 405801	1.8	6
495	Probing the sensitivity of electron wave interference to disorder-induced scattering in solid-state devices. *Physical Review B*, **2012**, 85,	3.3	6
494	Probing two-dimensional metallic-like and localization effects at low magnetic fields. *Physica E: Low-Dimensional Systems and Nanostructures*, **2010**, 42, 1142-1144	3	6
493	Integer quantum Hall states in coupled double electron gas systems at mismatched carrier densities. *Journal of Physics Condensed Matter*, **1996**, 8, L311-L318	1.8	6
492	Fabrication of in situ Ohmic contacts patterned in three dimensions using a focused ion beam during molecular beam epitaxial growth. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **1997**, 15, 2337		6
491	Magneto-optical study of excitonic states in 2DEGs near filling factor □1. *Physica B: Condensed Matter*, **1998**, 249-251, 538-543	2.8	6
490	An analogue sum and threshold neuron based on the quantum tunnelling amplification of electrical pulses. *New Journal of Physics*, **2008**, 10, 083010	2.9	6
489	Patterned backgating using single-sided mask aligners: Application to density-matched electron-hole bilayers. *Journal of Applied Physics*, **2008**, 104, 113715	2.5	6
488	Gating schemes for controlling the electron wavefunction between GaAs and In0.05Ga0.95As quasi-one-dimensional channels. *Journal of Physics Condensed Matter*, **2006**, 18, L123-L128	1.8	6
487	The excitation spectrum of quantum antidots. *Physica E: Low-Dimensional Systems and Nanostructures*, **2006**, 34, 195-198	3	6
486	Single-electron transfer between double quantum dots defined by surface acoustic waves. *Physica E: Low-Dimensional Systems and Nanostructures*, **2006**, 34, 546-549	3	6
485	New interaction effects in quantum point contacts at high magnetic fields. *Physica E: Low-Dimensional Systems and Nanostructures*, **2006**, 34, 588-591	3	6
484	Terahertz quantum cascade lasers. *Physica E: Low-Dimensional Systems and Nanostructures*, **2004**, 21, 846-851	3	6
483	Transport and quantum lifetime dependence on electron density in gated GaAs/AlGaAs heterostructures. *Physica E: Low-Dimensional Systems and Nanostructures*, **2004**, 22, 312-315	3	6
482	Equilibrium magnetization measurements of two-dimensional electron systems. *Physica E: Low-Dimensional Systems and Nanostructures*, **2004**, 22, 741-744	3	6
481	Terahertz interminiband emission and magneto-transport measurements from a quantum cascade chirped superlattice. *Physica E: Low-Dimensional Systems and Nanostructures*, **2002**, 13, 854-857	3	6

480	Dual-wavelength THz imaging with quantum cascade lasers **2005**, 5727, 107		6
479	Effects of Zeeman spin splitting on the modular symmetry in the quantum Hall effect. *Microelectronics Journal*, **2005**, 36, 469-471	1.8	6
478	Characteristics of a micromachined floating-gate high-electron-mobility transistor at 4.2K. *Journal of Applied Physics*, **2005**, 97, 114507	2.5	6
477	Imaging random telegraph signal sites near a quasi 1D electron system. *Journal of Physics Condensed Matter*, **2001**, 13, L249-L254	1.8	6
476	A standardised neurosurgical referral letter for the inter-hospital transfer of head injured patients. *Emergency Medicine Journal*, **2000**, 17, 257-60	1.5	6
475	Diffuse intramuscular lipomatosis of a lower limb. *Sarcoma*, **1998**, 2, 53-6	3.1	6
474	Electrically active defect centers induced by Ga+ focused ion beam irradiation of GaAs(100). *Applied Physics Letters*, **1999**, 74, 576-578	3.4	6
473	MR imaging of synovial tumours and tumour-like lesions. *British Journal of Radiology*, **1999**, 72, 212-8	3.4	6
472	Quantisation of the conductance in units of e2/2h in a ballistic quasi-one-dimensional channel, produced by strong electric and magnetic fields. *Superlattices and Microstructures*, **1992**, 11, 233-235	2.8	6
471	1GHz clocked distribution of electrically generated entangled photon pairs. *Optics Express*, **2020**, 28, 36838-36848	3.3	6
470	Valence band offsets of ScxGa1−xN/AlN and ScxGa1−xN/GaN heterojunctions. *Journal Physics D: Applied Physics*, **2016**, 49, 265110	3	6
469	Quantized charge transport driven by a surface acoustic wave in induced unipolar and bipolar junctions. *Physical Review B*, **2019**, 100,	3.3	6
468	Correlating Photoluminescence and Structural Properties of Uncapped and GaAs-Capped Epitaxial InGaAs Quantum Dots. *Scientific Reports*, **2018**, 8, 7514	4.9	6
467	Controllable Photonic Time-Bin Qubits from a Quantum Dot. *Physical Review X*, **2018**, 8,	9.1	6
466	Efficient coupling of double-metal terahertz quantum cascade lasers to flexible dielectric-lined hollow metallic waveguides. *Optics Express*, **2015**, 23, 26276-87	3.3	5
465	Interference Effects in a Tunable Quantum Point Contact Integrated with an Electronic Cavity. *Physical Review Applied*, **2017**, 8,	4.3	5
464	Fabrication and characterisation of gallium arsenide ambipolar quantum point contacts. *Applied Physics Letters*, **2015**, 106, 183504	3.4	5
463	Indirect Modulation of a Terahertz Quantum Cascade Laser Using Gate Tunable Graphene. *IEEE Photonics Journal*, **2012**, 4, 1776-1782	1.8	5

462	Broadband photonic control for dual-mode terahertz laser emission. *Applied Physics Letters*, **2013**, 102, 181106	3.4	5
461	Free induction decay of a superposition stored in a quantum dot. *Physical Review B*, **2011**, 84,	3.3	5
460	Electrometry using the quantum Hall effect in a bilayer two-dimensional electron system. *Applied Physics Letters*, **2010**, 96, 212102	3.4	5
459	Pulsed terahertz time domain spectroscopy of vertically structured photoconductive antennas. *Applied Physics Letters*, **2010**, 96, 081106	3.4	5
458	Towards the ground state of an electron–hole bilayer. *Physica E: Low-Dimensional Systems and Nanostructures*, **2010**, 42, 1247-1250	3	5
457	Fracture properties of GaAs–AlAs superlattices studied by atomic force microscopy and scanning electron microscopy. *Acta Materialia*, **1998**, 46, 579-584	8.4	5
456	Gated-charge force microscopy for imaging a surface-acoustic-wave-induced charge in a depleted one-dimensional channel. *Physical Review B*, **2008**, 78,	3.3	5
455	Electron heating and huge positive magnetoresistance in an AlGaAs–GaAs high electron mobility transistor structure at high temperatures. *Applied Physics Letters*, **2008**, 92, 152117	3.4	5
454	Lymphocytic hypophysitis occurring simultaneously with a functioning pituitary adenoma. *Endocrine Journal*, **2008**, 55, 729-35	2.9	5
453	Realization of a GaAs/AlGaAs-based quantum cellular automata cell. *Microelectronics Journal*, **2008**, 39, 674-677	1.8	5
452	Acoustic charge transport in a n-i-n three terminal device. *Applied Physics Letters*, **2006**, 88, 212101	3.4	5
451	Ballistic electron spectroscopy. *Applied Physics Letters*, **2006**, 89, 212103	3.4	5
450	Low-threshold superlattice quantum cascade laser emitting at λ = 103 μm and operating up to 70 K in continuous wave **2004**, 5354, 129		5
449	Direct measurement of the camel-back energy surface in AlAs and its evolution in an electric field. *Physical Review B*, **2004**, 70,	3.3	5
448	MR imaging of tumors and tumor-like lesions of the shoulder girdle. *Magnetic Resonance Imaging Clinics of North America*, **2004**, 12, 125-41, vii	1.6	5
447	Self-assembled quantum dots as a source of single photons and photon pairs. *Physica Status Solidi (B): Basic Research*, **2003**, 238, 353-359	1.3	5
446	Quantised current driven by surface acoustic waves. *Materials Science and Engineering C*, **2001**, 15, 97-100	8.3	5
445	Corneal donation in the accident and emergency department: observational study. *BMJ: British Medical Journal*, **2000**, 321, 1263-4		5

444	A direct measurement of the effects of Fermi energy oscillations in quasi-1D systems. *Physica E: Low-Dimensional Systems and Nanostructures*, **2000**, 6, 518-521	3	5
443	Optical control of the mobility of a MODFET with a layer of self-assembled quantum dots. *Physica E: Low-Dimensional Systems and Nanostructures*, **2000**, 7, 479-483	3	5
442	Resonant coupling effects observed in independently contacted triple-quantum-well structures. *Journal of Physics Condensed Matter*, **1995**, 7, L585-L591	1.8	5
441	Measurements of a composite fermion split-gate. *Surface Science*, **1996**, 361-362, 71-74	1.8	5
440	Far-infrared study of a quasi-one-dimensional electron gas formed on (100)GaAs facets with hole gas sidegates on a (311)A GaAs substrate. *Applied Physics Letters*, **1996**, 69, 1933-1935	3.4	5
439	Exchange- and correlation-induced charge transfer observed in independently contacted triple-quantum-well structures. *Physical Review B*, **1996**, 53, 15443-15446	3.3	5
438	Equilibrium tunneling between two-dimensional and quasi-one-dimensional electron gases in devices fabricated by in situ focused ion beam lithography. *Applied Physics Letters*, **1996**, 68, 826-828	3.4	5
437	The indentation response of GaAs[sbnd]AlAs heterostructures. *Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties*, **1996**, 74, 1185-1194		5
436	Electron conduction characteristics of split-gate structures fabricated on pseudomorphic GaAs-InxGa1-xAs-AlGaAs heterostructures. *Journal of Physics Condensed Matter*, **1993**, 5, L227-L234	1.8	5
435	Hot-electron transport across a wide AlGaAs barrier containing quantum wells. *Semiconductor Science and Technology*, **1994**, 9, 595-598	1.8	5
434	A novel mechanism for parallel conduction in GaAs-(Ga,Al)As heterojunctions. *Semiconductor Science and Technology*, **1992**, 7, 961-967	1.8	5
433	Ultrahigh vacuum in situ fabrication of three-dimensional semiconductor structures using a combination of particle beams. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **1992**, 10, 2834		5
432	Influence of magnetic fields on an extremely narrow exciton line in a high-carrier-density heterojunction. *Physical Review B*, **1992**, 45, 11823-11828	3.3	5
431	Electron Heating and Current Scaling in a GaAs Two-Dimensional Electron System. *Journal of the Korean Physical Society*, **2007**, 50, 1662	0.6	5
430	External cavity terahertz quantum cascade laser with a metamaterial/graphene optoelectronic mirror. *Applied Physics Letters*, **2020**, 117, 041105	3.4	5
429	Self-mixing interferometry and near-field nanoscopy in quantum cascade random lasers at terahertz frequencies. *Nanophotonics*, **2021**, 10, 1495-1503	6.3	5
428	Amplitude stabilization and active control of a terahertz quantum cascade laser with a graphene loaded split-ring-resonator array. *Applied Physics Letters*, **2018**, 112, 201102	3.4	5
427	Landau level spin diode in a GaAs two dimensional hole system. *New Journal of Physics*, **2015**, 17, 033035	2.9	4

426	The relationship between the three-dimensional structure of porous GaN distributed Bragg reflectors and their birefringence. *Journal of Applied Physics*, **2020**, 127, 193101	2.5	4
425	One-dimensional, surface emitting, disordered Terahertz lasers. *APL Photonics*, **2020**, 5, 036102	5.2	4
424	Effect of Split Gate Size on the Electrostatic Potential and 0.7 Anomaly within Quantum Wires on a Modulation-Doped GaAs/AlGaAs Heterostructure. *Physical Review Applied*, **2016**, 5,	4.3	4
423	Double-layer-gate architecture for few-hole GaAs quantum dots. *Nanotechnology*, **2016**, 27, 334001	3.4	4
422	Determining energy relaxation length scales in two-dimensional electron gases. *Applied Physics Letters*, **2015**, 107, 022104	3.4	4
421	Assisted extraction of the energy level spacings and lever arms in direct current bias measurements of one-dimensional quantum wires, using an image recognition routine. *Journal of Applied Physics*, **2015**, 117, 015704	2.5	4
420	Radiofrequency ablation of osteoid osteoma: outcomes from the West of Scotland. *Scottish Medical Journal*, **2013**, 58, 83-7	1.8	4
419	Engineering quantum dots for electrical control of the fine structure splitting. *Applied Physics Letters*, **2013**, 103, 031105	3.4	4
418	Thermoelectric properties of electrostatically tunable antidot lattices. *Applied Physics Letters*, **2010**, 97, 132104	3.4	4
417	Scanned gate microscopy of surface-acoustic-wave-induced current through a depleted one-dimensional GaAs channel. *Physical Review B*, **2010**, 82,	3.3	4
416	Molecular beam epitaxy of high mobility In0.75Ga0.25As for electron spin transport applications. *Journal of Vacuum Science & Technology B*, **2009**, 27, 2066		4
415	Quantum interference of magnetic edge channels activated by intersubband optical transitions in magnetically confined quantum wires. *Journal of Physics Condensed Matter*, **2009**, 21, 025303	1.8	4
414	Coupled double-row formation in a quasi-1D wire. *Physica E: Low-Dimensional Systems and Nanostructures*, **2010**, 42, 1114-1117	3	4
413	Double-row transport in quantum wires of shallow confinement. *Physica E: Low-Dimensional Systems and Nanostructures*, **2010**, 42, 1118-1121	3	4
412	Negative transconductance in parallel conducting systems controlled by device geometry and magnetic field. *Semiconductor Science and Technology*, **1996**, 11, 483-488	1.8	4
411	Probing the Fermi surfaces of coupled double quantum wells in the presence of an in-plane magnetic field. *Journal of Physics Condensed Matter*, **1997**, 9, 1079-1094	1.8	4
410	Formation of narrow channels using split back-gates defined byin situfocused ion beam lithography. *Semiconductor Science and Technology*, **1997**, 12, 137-139	1.8	4
409	A method to profile ion beam line exposures in situ using STM. *Microelectronic Engineering*, **1998**, 41-42, 229-232	2.5	4

408	Mobility (106 cm2 V1 s1) of 2DEGs, 30 nm from ex situ patterned GaAs regrowth interfaces. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **1998**, 51, 202-206	3.1	4
407	Capture dynamics of hot electrons on quantum dots in RTDs studied by noise measurement. *New Journal of Physics*, **2008**, 10, 013027	2.9	4
406	Single electron transport in a free-standing quantum dot. *Microelectronics Journal*, **2008**, 39, 314-317	1.8	4
405	Recent progress on long wavelength quantum cascade lasers between 1-2 THz. *Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS*, **2007**,		4
404	Growth by molecular beam epitaxy of self-assembled InAs quantum dots on InAlAs and InGaAs lattice-matched to InP. *Journal of Vacuum Science & Technology B*, **2007**, 25, 1044		4
403	Collapse of nonequilibrium charge states in an isolated quantum dot using surface acoustic waves. *Physical Review B*, **2007**, 75,	3.3	4
402	Propagation and spatiotemporal summation of electrical pulses in semiconductor nerve fibers. *Applied Physics Letters*, **2007**, 91, 073502	3.4	4
401	Interactions in high-mobility 2D electron and hole systems. *Physica E: Low-Dimensional Systems and Nanostructures*, **2004**, 22, 218-223	3	4
400	Photon-induced conductance steps and in situ modulation of disorder in mesoscopic electron systems. *Physical Review B*, **2004**, 70,	3.3	4
399	Fermi-Liquid Behaviour near the Crossover from Metal to Insulator in 2D Systems. *Physica Status Solidi (B): Basic Research*, **2002**, 230, 89-95	1.3	4
398	Ultrafast spin evolution in high-mobility 2DEGs. *Physica E: Low-Dimensional Systems and Nanostructures*, **2003**, 17, 324-328	3	4
397	Distribution of self-assembled InAs dots on patterned GaAs (1 0 0) substrates. *Journal of Crystal Growth*, **2005**, 278, 113-118	1.6	4
396	Induced currents, frozen charges and the quantum Hall effect breakdown. *Solid State Communications*, **2005**, 134, 257-259	1.6	4
395	Scanning noninvasive voltage probe operating at 4.2 K. *Review of Scientific Instruments*, **2001**, 72, 2100-2105	1.7	4
394	Imaging electron and conduction-band-hole trajectories through one and two series constrictions. *Physica E: Low-Dimensional Systems and Nanostructures*, **2000**, 6, 234-237	3	4
393	Nonlinear interaction between surface acoustic waves and electrons in GaAs resonant-tunneling structures. *Physical Review B*, **2000**, 62, 6948-6951	3.3	4
392	Independently contacted double quantum well structure fabricated by molecular beam epitaxial regrowth. *Applied Physics Letters*, **1995**, 66, 848-850	3.4	4
391	Magnetothermopower oscillations in a lateral superlattice. *Physical Review B*, **1995**, 51, 17243-17246	3.3	4

390	Probing the band structure of a two-dimensional hole gas using a one-dimensional superlattice. *Physical Review B*, **1996**, 54, R14273-R14276	3.3	4
389	Ballistic composite fermions in semiconductor nanostructures. *Physical Review B*, **1996**, 53, 9602-9605	3.3	4
388	Observations of plasmons and edge magnetoplasmons in voltage-tunable dots in GaAs/AlGaAs heterostructures. *Journal of Physics Condensed Matter*, **1993**, 5, 1517-1524	1.8	4
387	Fabrication of a novel split-backgate transistor by in situ focused ion-beam lithography and molecular-beam epitaxial regrowth. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **1993**, 11, 2493		4
386	Detecting charge redistribution between edge states in a quantum dot. *Journal of Physics Condensed Matter*, **1994**, 6, L273-L278	1.8	4
385	Low temperature magneto-photoluminescence investigations of the 2D hole system in p-type GaAs□AlGaAs heterojunctions. *Physica B: Condensed Matter*, **1994**, 201, 397-402	2.8	4
384	Transmission coefficients and Hall resistance in a small cross-shaped semiconductor junction. *Journal of Physics Condensed Matter*, **1991**, 3, 1961-1965	1.8	4
383	Helium radio-frequency-plasma GaAs device isolation: Application to an in-plane gated quantum wire transistor. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **1991**, 9, 2908		4
382	Quasi-one-dimensional transport in semiconductor microstructures. *Physica Scripta*, **1992**, T45, 200-205	2.6	4
381	Far-infrared studies of the plasmon resonance of a drifting 2DEG. *Superlattices and Microstructures*, **1992**, 12, 371-374	2.8	4
380	Room temperature negative differential resistance in the quasi-one-dimensional ballistic resistor. *Electronics Letters*, **1990**, 26, 171	1.1	4
379	Improving reproducibility of quantum devices with completely undoped architectures. *Applied Physics Letters*, **2020**, 117, 183101	3.4	4
378	New signatures of the spin gap in quantum point contacts. *Nature Communications*, **2021**, 12, 5	17.4	4
377	Experimental verification of electrostatic boundary conditions in gate-patterned quantum devices. *Journal Physics D: Applied Physics*, **2018**, 51, 244004	3	4
376	Thickness dependence of electron-electron interactions in topological p□ junctions. *Physical Review B*, **2019**, 99,	3.3	3
375	Ramsey interference in a multilevel quantum system. *Physical Review B*, **2016**, 93,	3.3	3
374	Formation of a macroscopically occupied polariton state in a tunable open-access microcavity under resonant excitation. *Journal of Applied Physics*, **2018**, 124, 025703	2.5	3
373	Formation of a non-magnetic, odd-denominator fractional quantized conductance in a quasi-one-dimensional electron system. *Applied Physics Letters*, **2019**, 115, 123104	3.4	3

372	Magnetic focusing with quantum point contacts in the non-equilibrium transport regime. *Applied Physics Letters*, **2013**, 103, 093503	3.4	3
371	Partial hybridisation of electron-hole states in an InAs/GaSb double quantum well heterostructure. *Semiconductor Science and Technology*, **2017**, 32, 104002	1.8	3
370	Crossover between magnetic and electric edges in quantum Hall systems. *Physical Review B*, **2017**, 96,	3.3	3
369	Observation of geometry-dependent conductivity in two-dimensional electron systems. *Physical Review B*, **2015**, 92,	3.3	3
368	Density dependent composition of InAs quantum dots extracted from grazing incidence x-ray diffraction measurements. *Scientific Reports*, **2015**, 5, 15732	4.9	3
367	Detecting noise with shot noise using on-chip photon detector. *Nature Communications*, **2015**, 6, 6130	17.4	3
366	High magnetic field studies of charged exciton localization in GaAs/AlxGa1−xAs quantum wells. *Applied Physics Letters*, **2014**, 105, 112104	3.4	3
365	Mesoscopic fluctuations of Coulomb drag of composite fermions. *Physical Review B*, **2010**, 81,	3.3	3
364	Origin of the hysteresis in bilayer two-dimensional systems in the quantum Hall regime. *Physical Review B*, **2010**, 82,	3.3	3
363	Design and simulation of a THz QCL based on X depopulation mechanism. *Physica E: Low-Dimensional Systems and Nanostructures*, **2009**, 41, 1240-1242	3	3
362	The civil magistrate: the Scottish Office and the anti-Irish campaign, 1922–1929. *Innes Review*, **2012**, 63, 48-76	0.1	3
361	A wavelength tunable 2-ps pulse VECSEL **2012**,		3
360	Intrinsic photoinduced anomalous Hall effect. *Physica E: Low-Dimensional Systems and Nanostructures*, **2010**, 42, 940-943	3	3
359	Non-invasive detection of single-electron processes. *Semiconductor Science and Technology*, **1996**, 11, 1498-1501	1.8	3
358	In-situfocused ion beam implantation for the fabrication of a hot electron transistor oscillator structure. *Semiconductor Science and Technology*, **1996**, 11, L135-L138	1.8	3
357	Observation of magnetic breakdown in coupled double quantum wells. *Physical Review B*, **1997**, 55, R13401-R13404	3.3	3
356	Imaging the adult ankle and foot. *Foot and Ankle Surgery*, **1997**, 3, 105-120	3.1	3
355	Experimental evidence of a metal-insulator transition in a half-filled Landau level. *Solid State Communications*, **1997**, 102, 327-330	1.6	3

354	X□Singlet and Triplet States at High Magnetic Fields. *Physica Status Solidi A*, **1997**, 164, 339-342		3
353	Hydrogen radical cleaning and low energy electron stimulated desorption of surface contaminants for MBE regrowth of GaAs. *Applied Surface Science*, **1998**, 123-124, 308-312	6.7	3
352	Excitons, spin-waves and Skyrmions in the optical spectra of a two dimensional electron gas. *Solid-State Electronics*, **1998**, 42, 1169-1174	1.7	3
351	Stark effect of negatively and positively charged excitons in semiconductor quantum wells. *Physica E: Low-Dimensional Systems and Nanostructures*, **1998**, 2, 87-92	3	3
350	Plasmons in spatially non-uniform magnetic fields. *Physica B: Condensed Matter*, **1998**, 249-251, 286-290	2.8	3
349	Magnetization of an incompressible two-dimensional electron gas. *Physica B: Condensed Matter*, **1998**, 256-258, 16-22	2.8	3
348	Observation of Phonon Replica Emission in an In-Situ Fe/GaAs Spin LED. *IEEE Transactions on Magnetics*, **2008**, 44, 2666-2669	2	3
347	Oxide-apertured microcavity single-photon-emitting diodes□imultaneous confinement of current and light. *Journal of Physics Condensed Matter*, **2008**, 20, 454212	1.8	3
346	Oscillatory Hall effect in high-mobility two-dimensional electron gases. *Physical Review B*, **2008**, 78,	3.3	3
345	Investigation of single-electron dynamics in tunnelling between zero- and one-dimensional states. *Physica E: Low-Dimensional Systems and Nanostructures*, **2008**, 40, 1017-1021	3	3
344	Temporal isolation of surface-acoustic-wave-driven luminescence from a lateral p□ junction using pulsed techniques. *Physica E: Low-Dimensional Systems and Nanostructures*, **2008**, 40, 1775-1779	3	3
343	Magnetoresistance and Hall effect of a 2DEG in GaAs/AlGaAs: electron interaction and □hemory□ effects in the presence of a mixed disorder. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2006**, 3, 304-308		3
342	Controlling spontaneous emission from quantum dots using photonic crystal microcavities. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2006**, 3, 3676-3679		3
341	Inversion of the exciton fine structure splitting in quantum dots. *Physica E: Low-Dimensional Systems and Nanostructures*, **2006**, 32, 97-100	3	3
340	Kelvin probe microscopy to image and characterise erasable electrostatic lithography. *Physica E: Low-Dimensional Systems and Nanostructures*, **2006**, 34, 686-688	3	3
339	Ultrafast optical excitation of coherent two-dimensional plasmons. *Physical Review B*, **2004**, 69,	3.3	3
338	Experimental evidence for screening effects from surface states in GaAs/AlGaAs based nanostructures. *Physica E: Low-Dimensional Systems and Nanostructures*, **2004**, 22, 570-573	3	3
337	Spin-splitting of Aharonov□Bohm oscillations in an antidot. *Physica E: Low-Dimensional Systems and Nanostructures*, **2002**, 12, 782-786	3	3

336	Insulator-quantum Hall transitions in two-dimensional electron gas containing self-assembled InAs dots. *Physica E: Low-Dimensional Systems and Nanostructures*, **2003**, 17, 292-293	3	3
335	Spontaneous current generation in gated nanostructures. *Europhysics Letters*, **2005**, 71, 658-664	1.6	3
334	Shot noise as a probe of electron transport via localised states in sub-micrometer barriers. *Physica Status Solidi (B): Basic Research*, **2005**, 242, 1229-1232	1.3	3
333	Quantum magneto-transport in two-dimensional GaAs electron gases and SiGe hole gases. *Journal of Physics and Chemistry of Solids*, **2001**, 62, 1789-1796	3.9	3
332	Metallic behaviour and localisation in 2D GaAs hole systems. *Physica E: Low-Dimensional Systems and Nanostructures*, **2001**, 11, 161-166	3	3
331	Spin-dependent transport in a dilute two-dimensional GaAs electron gas in a parallel magnetic field. *Physical Review B*, **2001**, 64,	3.3	3
330	Tunneling spectroscopy of a two-dimensionally periodic electron system. *Physical Review Letters*, **2002**, 89, 146803	7.4	3
329	Spin-valve effects in a two-dimensional electron gas system. *Physica E: Low-Dimensional Systems and Nanostructures*, **2000**, 6, 718-721	3	3
328	Evidence for charging effects in an open dot at zero magnetic field. *Physica E: Low-Dimensional Systems and Nanostructures*, **2000**, 6, 418-422	3	3
327	Detection of Coulomb charging around an antidot. *Physica E: Low-Dimensional Systems and Nanostructures*, **2000**, 6, 495-498	3	3
326	Tunable, Strongly Non parabolic Confinement in a Quasi-One-Dimensional Electron Gas Formed by Epitaxial Regrowth. *Japanese Journal of Applied Physics*, **1998**, 37, 1570-1573	1.4	3
325	Ultrashort FETs formed by GaAs/AlGaAs MBE regrowth on a patterned □doped GaAs layer. *Journal of Crystal Growth*, **1999**, 201-202, 761-764	1.6	3
324	Ferromagnetic/III-V semiconductor heterostructures and magneto-electronic devices. *IEEE Transactions on Magnetics*, **1999**, 35, 3661-3663	2	3
323	Reflection of edge states in the fractional quantum Hall regime. *Solid State Communications*, **1995**, 96, 327-331	1.6	3
322	Dopant patterning in three dimensions during molecular beam epitaxial growth using anin-situfocused ion gun. *Superlattices and Microstructures*, **1996**, 20, 535-544	2.8	3
321	Temperature studies of the tunnelling between parallel two-dimensional electron gases. *Solid-State Electronics*, **1996**, 40, 413-415	1.7	3
320	Evidence of quantum lateral confinement in side-gated resonant tunnelling diodes formed by patterned substrate regrowth. *Applied Physics Letters*, **1996**, 68, 1702-1704	3.4	3
319	Transport through an array of small ohmic contacts alloyed to the two-dimensional electron gas of a GaAs/AlGaAs heterostructure. *Applied Physics Letters*, **1996**, 68, 3434-3436	3.4	3

318	Low temperature operation of Ge-Ag ohmic contacts to a high mobility two dimensional electron gas. *Journal of Applied Physics*, **1993**, 74, 5883-5885	2.5	3
317	Far-infrared study of a quasi-one-dimensional electron gas formed by molecular beam epitaxial regrowth on patterned GaAs. *Applied Physics Letters*, **1994**, 64, 3296-3298	3.4	3
316	. *IEEE Transactions on Electron Devices*, **1995**, 42, 1065-1069	2.9	3
315	The physics of the two-dimensional electron gas base vertical hot electron transistor. *Semiconductor Science and Technology*, **1992**, 7, B536-B539	1.8	3
314	Low-frequency measurements of cyclotron resonance in a high-mobility 2D electron gas in GaAs/AlGaAs heterostructures. *Journal of Applied Physics*, **1992**, 72, 4736-4738	2.5	3
313	Transport by single and few electrons in GaAs mesoscopic structures. *Physica A: Statistical Mechanics and Its Applications*, **1993**, 200, 65-79	3.3	3
312	Ultrasonic detection of a retroperitoneal haematoma causing duodenal obstruction following ureterolithotomy. *British Journal of Radiology*, **1990**, 63, 726-8	3.4	3
311	One-dimensional ballistic transport of electrons. *Semiconductor Science and Technology*, **1990**, 5, 1185-1188	1.8	3
310	Telecom-Wavelength Quantum Relay Using a Semiconductor Quantum Dot **2017**,		3
309	Microscopic metallic air-bridge arrays for connecting quantum devices. *Applied Physics Letters*, **2021**, 118, 162108	3.4	3
308	InGaAs spin light emitting diodes measured in the Faraday and oblique Hanle geometries. *Journal Physics D: Applied Physics*, **2016**, 49, 165103	3	3
307	'Metal'-like transport in high-resistance, high aspect ratio two-dimensional electron gases. *Journal of Physics Condensed Matter*, **2016**, 28, 01LT01	1.8	3
306	Thermoelectric and electrical transport in mesoscopic two-dimensional electron gases. *Comptes Rendus Physique*, **2016**, 17, 1123-1129	1.4	3
305	Composition measurement of epitaxial ScxGa1−xN films. *Semiconductor Science and Technology*, **2016**, 31, 064002	1.8	3
304	Design and fabrication of InAs/GaAs QD based intermediate band solar cells by quantum engineering **2018**,		3
303	Extracting quantitative dielectric properties from pump-probe spectroscopy.. *Nature Communications*, **2022**, 13, 1437	17.4	3
302	On-chip Hybrid Superconducting-Semiconducting Quantum Circuit. *IEEE Transactions on Applied Superconductivity*, **2018**, 28, 1-4	1.8	2
301	Monolithically integrated two-dimensional arrays of surface-emitting photonic-crystal terahertz lasers. *Journal of Infrared, Millimeter, and Terahertz Waves*, **2013**, 34, 386-392	2.2	2

300	Direct measurement of the spin gaps in a gated GaAs two-dimensional electron gas. *Nanoscale Research Letters*, **2013**, 8, 138	5	2
299	Strong coupling at room temperature in ultracompact flexible metallic microcavities. *Applied Physics Letters*, **2013**, 102, 011118	3.4	2
298	Coherent detection of THz laser signals in optical fiber systems. *Optics Express*, **2017**, 25, 25566-25573	3.3	2
297	Polarization-correlated photons from a positively charged quantum dot. *Physical Review B*, **2015**, 92,	3.3	2
296	Photovoltage Spectroscopy of Dipolar Spin Waves in Dy Micromagnets. *Solid State Phenomena*, **2014**, 215, 400-406	0.4	2
295	Generation and Detection of Terahertz Radiation. *Springer Series in Optical Sciences*, **2012**, 1-28	0.5	2
294	THz spectroscopy with an absolute frequency scale by a QCL phase-locked to a THz frequency comb **2013**,		2
293	169 GHz repetition rate passively harmonically mode-locked VECSEL emitting 265 fs pulses **2011**,		2
292	Transport mechanism in the quantum well embedded with quantum dots. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2009**, 6, 813-816		2
291	MBE growth and patterned backgating of electron□hole bilayer structures. *Journal of Crystal Growth*, **2009**, 311, 1988-1993	1.6	2
290	The reproducibility and transferability of a THz quantum cascade laser design between two MBE growth manufacturers□platforms. *Journal of Crystal Growth*, **2009**, 311, 1923-1928	1.6	2
289	Lasing in planar semiconductor diodes. *Applied Physics Letters*, **2011**, 99, 261110	3.4	2
288	Hopping conduction and magnetoresistance of a GaAs/AlxGa1□xAs quantum well with embedded InAs dots. *Physical Review B*, **2011**, 83,	3.3	2
287	High peak power femtosecond pulse VECSELs for terahertz time domain spectroscopy **2011**,		2
286	Linear non-hysteretic gating of a very high density 2DEG in an undoped metal□semiconductor□metal sandwich structure. *Semiconductor Science and Technology*, **2012**, 27, 115006	1.8	2
285	Enhanced Terahertz Receiver Using a Distributed Bragg Reflector Coupled to a Photoconductive Antenna. *IEEE Photonics Technology Letters*, **2009**, 21, 1603-1605	2.2	2
284	Biexciton cascade in telecommunication wavelength quantum dots. *Journal of Physics: Conference Series*, **2010**, 210, 012036	0.3	2
283	Detection of a 2D Hopping Impurity Band in n-GaAs by Negative Magnetoresistance Measurements. *Physica Status Solidi (B): Basic Research*, **1998**, 205, 187-192	1.3	2

282	Magnetization and incompressibility of a high mobility 2D electron gas in the IQHE. *Physica B: Condensed Matter*, **1998**, 249-251, 115-118	2.8	2
281	Onset of subband locking in double-quantum-well structures as the signature of wave function delocalization. *Physica B: Condensed Matter*, **1998**, 249-251, 850-854	2.8	2
280	Cyclotron resonance studies of strongly coupled double quantum wells in tilted magnetic fields near the quantum and semi-classical limits. *Physica B: Condensed Matter*, **1998**, 249-251, 966-970	2.8	2
279	Terahertz Quantum Cascade Devices: From Intersubband Transition to Microcavity Laser. *IEEE Journal of Selected Topics in Quantum Electronics*, **2008**, 14, 307-314	3.8	2
278	Laser Local Oscillators for Heterodyne Receivers beyond 2 Terahertz. *Frequenz*, **2008**, 62, 111-117	0.6	2
277	Stable conductance plateaus from ridge wires grown on a patterned substrate. *Applied Physics Letters*, **2008**, 92, 212114	3.4	2
276	Anticrossing of spin-split subbands in quasi-one-dimensional wires. *Physical Review Letters*, **2008**, 100, 226804	7.4	2
275	Transport hysteresis in AlGaAs/GaAs double quantum well systems with InAs quantum dots. *Journal of Physics Condensed Matter*, **2007**, 19, 506207	1.8	2
274	Effect of ion implantation on quantum well infrared photodetectors. *Infrared Physics and Technology*, **2007**, 50, 106-112	2.7	2
273	Quantisation of hopping magnetoresistance prefactor in strongly correlated two-dimensional electron systems. *Physica E: Low-Dimensional Systems and Nanostructures*, **2008**, 40, 1347-1350	3	2
272	Probing e□ interactions in a periodic array of GaAs quantum wires. *Physica E: Low-Dimensional Systems and Nanostructures*, **2008**, 40, 1220-1222	3	2
271	Giant fluctuations of Coulomb drag. *Physica E: Low-Dimensional Systems and Nanostructures*, **2008**, 40, 961-966	3	2
270	Electron pumping through quantum dots defined in parallel etched quantum wires. *Microelectronics Journal*, **2008**, 39, 365-368	1.8	2
269	Single electron dynamics in a quantum dot field effect transistor. *Applied Physics Letters*, **2006**, 89, 113503	3.4	2
268	Fabrication of terahertz holograms. *Journal of Vacuum Science & Technology B*, **2007**, 25, 2329		2
267	Ballistic transport in one-dimensional bilayer hole systems. *Physica E: Low-Dimensional Systems and Nanostructures*, **2006**, 34, 550-552	3	2
266	Effects of interactions and disorder on the compressibility of two-dimensional electron and hole systems. *Physica E: Low-Dimensional Systems and Nanostructures*, **2006**, 34, 240-243	3	2
265	HIGH-CURRENT BREAKDOWN OF THE QUANTUM HALL EFFECT. *International Journal of Modern Physics B*, **2004**, 18, 3593-3596	1.1	2

264	Self-organised criticality in the quantum Hall effect. *Physica E: Low-Dimensional Systems and Nanostructures*, **2004**, 22, 210-213	3	2
263	Non-invasive detection of the ionic and covalent charge states of an isolated double dot system. *Physica E: Low-Dimensional Systems and Nanostructures*, **2004**, 22, 522-525	3	2
262	Localisation in Strongly Interacting 2D GaAs Systems. *Physica Status Solidi (B): Basic Research*, **2002**, 230, 81-87	1.3	2
261	Exchange-driven bilayer-to-monolayer charge transfer in an asymmetric double-quantum-well. *Physica E: Low-Dimensional Systems and Nanostructures*, **2002**, 12, 304-306	3	2
260	Exciton complexes in individual quantum dots as a single-photon source. *Physica E: Low-Dimensional Systems and Nanostructures*, **2002**, 13, 423-426	3	2
259	Spin-dependent transport in a dilute two-dimensional GaAs electron gas in an in-plane magnetic field. *Physica E: Low-Dimensional Systems and Nanostructures*, **2003**, 18, 141-142	3	2
258	High-efficiency single-photon sources based on InAs/GaAs quantum dots in pillar microcavities. *Physica E: Low-Dimensional Systems and Nanostructures*, **2005**, 26, 391-394	3	2
257	Single-photon detection mechanism in a quantum dot transistor. *Physica E: Low-Dimensional Systems and Nanostructures*, **2005**, 26, 356-360	3	2
256	Experimental determination of electron and hole sublevels in modulation-doped InAs□GaAs quantum dots. *Applied Physics Letters*, **2005**, 87, 232110	3.4	2
255	Surface Acoustic Wave-Induced Electroluminescence Intensity Oscillation in Planar Light-Emitting Devices. *Materials Research Society Symposia Proceedings*, **2005**, 869, 431		2
254	Quantum dot with independently tunable tunneling barriers fabricated using an atomic force microscope. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **2002**, 20, 2810		2
253	Bonding and antibonding states in strongly coupled ballistic one-dimensional wires. *Physica E: Low-Dimensional Systems and Nanostructures*, **2000**, 6, 581-585	3	2
252	Desorption of organic species from the GaAs (100) surface at low temperatures using low energy electron irradiation in a hydrogen ambient. *Applied Physics Letters*, **2000**, 76, 3034-3036	3.4	2
251	Independent contacts to a double-electron gas using mesoscopic surface gates. *Journal of Applied Physics*, **2000**, 87, 4036-4038	2.5	2
250	In situ Ga+ focused ion beam definition of high current density resonant tunneling diodes. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **1998**, 16, 3305		2
249	Interaction between surface acoustic waves and resonant tunneling structures in GaAs. *Journal of Applied Physics*, **1999**, 86, 2917-2919	2.5	2
248	Very high quality 2DEGS formed without dopant in GaAs/AlGaAs heterostructures. *Journal of Crystal Growth*, **1999**, 201-202, 159-162	1.6	2
247	Tunnelling between two-dimensional electron gases up to 25 T. *Physica B: Condensed Matter*, **1995**, 211, 430-432	2.8	2

246	The growth of high mobility heterostructures on (311)B GaAs. *Microelectronics Journal*, **1995**, 26, 897-902	1.8	2
245	Tuneable confinement energies in a quasi-one-dimensional electron gas regrown on a patterned GaAs backgate. *Solid State Communications*, **1995**, 96, 85-88	1.6	2
244	Low-Energy Focused Ion Beam Doping during Molecular Beam Epitaxial Growth for the Fabrication of Three-Dimensional Devices: The Effect of Dopant Surface Segregation. *Japanese Journal of Applied Physics*, **1995**, 34, 4477-4480	1.4	2
243	Coulomb blockade as a non-invasive probe in double layer 2DEG systems. *Surface Science*, **1996**, 361-362, 154-157	1.8	2
242	Electron transport in a non-planar 2DEG. *Surface Science*, **1996**, 361-362, 587-590	1.8	2
241	Plasmon dispersion for a modulated two-dimensional electron gas. *Solid-State Electronics*, **1996**, 40, 203-207	1.7	2
240	Evolution of GaAs quantum well excitons with excess electron density and magnetic field. *Solid-State Electronics*, **1996**, 40, 275-280	1.7	2
239	Magneto-optics and magneto-capacitance studies of voltage-tuneable GaAs/AlGaAs quantum dots. *Journal of Physics Condensed Matter*, **1993**, 5, L1-L8	1.8	2
238	Electron focusing in two-dimensional electron gases grown on (311)B GaAs substrates. *Physical Review B*, **1994**, 50, 17636-17638	3.3	2
237	A non-invasive voltage probe to measure Coulomb charging. *Surface Science*, **1994**, 305, 553-557	1.8	2
236	One-dimensional wire formed by molecular-beam epitaxial regrowth on a patterned pnpnp GaAs substrate. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **1994**, 12, 1277		2
235	Proton isolation of Si □doped GaAs. *Electronics Letters*, **1994**, 30, 1359-1360	1.1	2
234	Energy and momentum relaxation of hot electrons in GaAs/AlxGa1-xAs quantum wells: effect of hot phonon lifetime. *Semiconductor Science and Technology*, **1992**, 7, 1417-1421	1.8	2
233	Effect of temperature changes during MBE of ultra-thin GaAs/AlAs heterostructures on performance of Al gates grown in situ. *Semiconductor Science and Technology*, **1992**, 7, 968-971	1.8	2
232	Interactions between hot injected electrons and the cold electrons in the two-dimensional electron gas base of a vertical hot electron transistor. *Surface Science*, **1992**, 263, 141-146	1.8	2
231	Fine structure in the I□V characteristics of GaAs/AlGaAs submicron diameter triple barrier diodes. *Surface Science*, **1992**, 267, 388-391	1.8	2
230	Chloromethane-based reactive ion etching of III□V semiconductor materials. *Vacuum*, **1993**, 44, 233-237	3.7	2
229	The growth and physical properties of high quality pseudomorphic InxGa1-xAs HEMT structures. *Journal of Crystal Growth*, **1993**, 127, 601-605	1.6	2

228	Thermal transport in free-standing single- crystal GaAs wires. *Microelectronic Engineering*, **1990**, 11, 15-18	2.5	2
227	Ballistic electron transport in quasi-one-dimensional systems. *Surface Science*, **1990**, 229, 233-238	1.8	2
226	Active reset of a radiative cascade for entangled-photon generation beyond the continuous-driving limit. *Physical Review Research*, **2020**, 2,	3.9	2
225	Towards systematic evaluation of the European Code Against Cancer. Dissemination of the Code in Poland. *Journal of Health Inequalities*, **2017**, 3, 162-166	0.4	2
224	Influence of Inversion Symmetry on the Metallic Behaviour in a Dilute Two-dimensional Hole System. *Australian Journal of Physics*, **2000**, 53, 523		2
223	Superconductivity in AuNiGe Ohmic contacts to a GaAs-based high mobility two-dimensional electron gas. *Applied Physics Letters*, **2020**, 117, 162104	3.4	2
222	High-Throughput Electrical Characterization of Nanomaterials from Room to Cryogenic Temperatures. *ACS Nano*, **2020**, 14, 15293-15305	16.7	2
221	Evaluation of the impact of the European Code against Cancer on awareness and attitudes towards cancer prevention at the population and health promoters' levels. *Cancer Epidemiology*, **2021**, 71, 101898	2.8	2
220	Fast terahertz optoelectronic amplitude modulator based on plasmonic metamaterial antenna arrays and graphene **2016**,		2
219	Direct observation of spin polarization in GaAs quantum wires by transverse electron focusing. *Journal of Physics: Conference Series*, **2018**, 964, 012002	0.3	2
218	An in-plane photoelectric effect in two-dimensional electron systems for terahertz detection.. *Science Advances*, **2022**, 8, eabi8398	14.3	2
217	Orientation of hole quantum Hall nematic phases in an out-of-plane electric field. *Physical Review B*, **2019**, 99,	3.3	1
216	Time-resolved THz Laser spectra using a Fiber-interfaced Optical Heterodyne system **2015**,		1
215	Photovoltage detection of spin excitation of a ferromagnetic stripe and disk at low temperature. *Japanese Journal of Applied Physics*, **2020**, 59, SEED02	1.4	1
214	High mobility InGaAs quantum wells in an InAs phonon lattice. *Journal of Physics Condensed Matter*, **2018**, 30, 105705	1.8	1
213	Thermal dissociation of free and acceptor-bound positive trions from magnetophotoluminescence studies of high quality GaAs/AlxGa1−xAs quantum wells. *Physical Review B*, **2016**, 93,	3.3	1
212	Scalable Quantum Integrated Circuits on Superconducting Two-Dimensional Electron Gas Platform. *Journal of Visualized Experiments*, **2019**,	1.6	1
211	Andreev reflections and magnetotransport in 2D Josephson junctions. *Journal of Physics: Conference Series*, **2019**, 1182, 012010	0.3	1

210	Line-defect photonic crystal terahertz quantum cascade laser. *Journal of Applied Physics*, **2019**, 126, 153104	2.5	1
209	Thermoelectric property of a one dimensional channel in the presence of a transverse magnetic field. *Applied Physics Letters*, **2019**, 115, 202102	3.4	1
208	Introducing Joint Research Project «Quantum Ampere» for the realisation of the new SI ampere. *EPJ Web of Conferences*, **2014**, 77, 00004	0.3	1
207	THz quartz-enhanced photoacoustic sensor employing a quantum cascade laser source **2013**,		1
206	Osteoblastoma: A Rare Cause of Stiff Elbow. *Shoulder and Elbow*, **2013**, 5, 69-72	1.8	1
205	Transverse magnetic focussing of heavy holes in a (100) GaAs quantum well. *Semiconductor Science and Technology*, **2015**, 30, 102001	1.8	1
204	**2014**,		1
203	Polymeric waveguide components for THz quantum cascade laser outcoupling **2014**,		1
202	Electron dephasing of a GaAs/AlGaAs quantum well with self-assembled InAs dots. *Journal of Physics Condensed Matter*, **2012**, 24, 385301	1.8	1
201	Mode-locked terahertz quantum cascade laser by direct phase synchronization **2013**,		1
200	Phase-locking of surface-emitting THz quantum cascade laser arrays **2013**,		1
199	Generation of 200 fs pulses with a short microcavity VECSEL **2013**,		1
198	Ultra-shallow undoped 2DEGs in GaAs-AlGaAs heterostructures **2011**,		1
197	Optical characterization of a superconducting hotspot air-bridge bolometer **2010**,		1
196	Commentary on the MRI appearances of early osteomyelitis and discitis. *Clinical Radiology*, **2010**, 65, 982-3	2.9	1
195	Using terahertz cascade lasers for determination of optical losses in active medium of silicon intracenter lasers **2010**,		1
194	MAGNETIC FIELD INDUCED INSTABILITIES IN LOCALIZED TWO-DIMENSIONAL ELECTRON SYSTEMS. *International Journal of Modern Physics B*, **2009**, 23, 2708-2712	1.1	1
193	A tunable three-lead double quantum dot with a resorcinarene spacer. *Semiconductor Science and Technology*, **2009**, 24, 025010	1.8	1

192	The growth of GaAs and InAs dots on etched mesas: The effect of substrate temperature on mesa profile and surface morphology on dot distribution. *Journal of Crystal Growth*, **2009**, 311, 3911-3917	1.6	1
191	Photo-luminescence study of heterogeneous terahertz quantum cascade lasers. *Journal of Applied Physics*, **2011**, 110, 013103	2.5	1
190	Anti-bunched photons from a lateral light-emitting diode. *Applied Physics Letters*, **2011**, 99, 131103	3.4	1
189	Fabrication of a self-aligned cross-wire quantum-dot chain light emitting diode by molecular beam epitaxial regrowth. *Nanotechnology*, **2012**, 23, 225304	3.4	1
188	Radio-frequency reflectometryÂ fast and sensitive measurement method for two-dimensional systems. *Physica E: Low-Dimensional Systems and Nanostructures*, **2010**, 42, 1192-1195	3	1
187	Far-infrared study of a laterally confined electron gas formed by molecular beam epitaxial regrowth on a patterned (100) n+-GaAs substrate. *Applied Physics Letters*, **1997**, 71, 497-499	3.4	1
186	Occult gunshot injury of the temporal bone. *Emergency Medicine Journal*, **1997**, 14, 185-6	1.5	1
185	The physics and fabrication of in situ back-gated (311)A hole gas heterojunctions. *Microelectronics Journal*, **1997**, 28, 795-801	1.8	1
184	In situ STM characterisation of Ga+ focused ion beam interactions with MBE grown GaAs(100). *Journal of Crystal Growth*, **1997**, 175-176, 346-351	1.6	1
183	Electron coupling effects on negatively charged excitons in GaAs double quantum wells. *Solid-State Electronics*, **1998**, 42, 1569-1574	1.7	1
182	The investigation of 1D and 2D phenomena using double-layer electron systems. *Physica E: Low-Dimensional Systems and Nanostructures*, **1998**, 3, 52-57	3	1
181	Multiple subband crossing in a one-dimensional hole gas with enhanced g-factors. *Physica B: Condensed Matter*, **1998**, 249-251, 166-170	2.8	1
180	Experimental determination of spectral densities in quasi-one-dimensional electron systems. *Physica B: Condensed Matter*, **1998**, 249-251, 175-179	2.8	1
179	Progress towards a 2.5-THz solid state heterodyne receiver with quantum cascade laser and hot electron bolometric mixer **2008**,		1
178	Charge trapping in a double quantum well system. *Journal of Physics Condensed Matter*, **2008**, 20, 455206	1.8	1
177	Magnetic-field-induced instabilities in localized two-dimensional electron systems. *Physical Review B*, **2008**, 78,	3.3	1
176	Quantum transport in one-dimensional GaAs hole systems. *International Journal of Nanotechnology*, **2008**, 5, 318	1.5	1
175	Microwave-induced forward scattering and Luttinger liquid interferences in magnetically confined quantum wires. *Low Temperature Physics*, **2008**, 34, 853-857	0.7	1

174	POINT CONTACT SPECTROSCOPY OF MAGNETIC EDGE STATES. *International Journal of Modern Physics B*, **2007**, 21, 1507-1510	1.1	1
173	Source of triggered entangled photon pairs? (Reply). *Nature*, **2007**, 445, E5-E6	50.4	1
172	Spontaneous spin polarisation in one dimension under finite DC-bias. *Physica E: Low-Dimensional Systems and Nanostructures*, **2008**, 40, 1295-1297	3	1
171	Field-tunable magnetic phases in a semiconductor-based two-dimensional Kondo lattice. *Physica E: Low-Dimensional Systems and Nanostructures*, **2008**, 40, 942-948	3	1
170	Sensitivity of the magnetic state of a spin lattice on itinerant electron orbital phase. *Physica E: Low-Dimensional Systems and Nanostructures*, **2008**, 40, 1460-1463	3	1
169	Electron population control of a highly isolated quantum dot using surface-acoustic waves. *Physica E: Low-Dimensional Systems and Nanostructures*, **2008**, 40, 1596-1598	3	1
168	Geometric suppression of single-particle energy spacings in quantum antidots. *Physica E: Low-Dimensional Systems and Nanostructures*, **2008**, 40, 1633-1636	3	1
167	Screening long-range Coulomb interactions in 2D hole systems using a bilayer heterostructure. *Physica E: Low-Dimensional Systems and Nanostructures*, **2008**, 40, 1700-1702	3	1
166	Electronic and lattice temperatures in bound-to-continuum terahertz quantum cascade lasers **2006**,		1
165	Entangled photons on-demand from a single quantum dot **2006**,		1
164	Suppression of spin-splitting in Al0.33Ga0.67As/AlyGa1−yAs heterostructures withyvarying from 0.10 to 0.15. *Semiconductor Science and Technology*, **2007**, 22, 722-727	1.8	1
163	Heterodyne receiver at 2.5 THz with quantum cascade laser and hot electron bolometric mixer **2006**, 6275, 132		1
162	Optimisation of quantum dot resonant tunnelling diodes for fibre wavelength detection. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2006**, 3, 4035-4038		1
161	Cancellation of fine-structure splitting in quantum dots by a magnetic field. *Physica E: Low-Dimensional Systems and Nanostructures*, **2006**, 32, 135-138	3	1
160	Ballistic electron spectroscopy with a quantum dot. *Physica E: Low-Dimensional Systems and Nanostructures*, **2006**, 34, 604-607	3	1
159	Measurements of composite fermion conductivity dependence on carrier density. *Journal of Physics Condensed Matter*, **2004**, 16, 1095-1101	1.8	1
158	Stability of the bilayer □1 quantum Hall state under charge imbalance. *Physica E: Low-Dimensional Systems and Nanostructures*, **2004**, 22, 40-43	3	1
157	Temperature-dependent high-current breakdown of the quantum Hall effect. *Physica E: Low-Dimensional Systems and Nanostructures*, **2004**, 22, 201-204	3	1

156	Mobility dependence on carrier density in a dilute GaAs electron gas in an in-plane magnetic field. *Physica E: Low-Dimensional Systems and Nanostructures*, **2004**, 22, 324-327	3	1
155	Erasable electrostatic lithography. *Physica E: Low-Dimensional Systems and Nanostructures*, **2004**, 22, 717-720	3	1
154	Dynamic of Spin Triplet and Singlet Trions in a GaAs Quantum Well. *Physica Status Solidi A*, **2002**, 190, 809-812		1
153	Experimental studies of composite fermion conductivity: dependence on carrier density. *Physica E: Low-Dimensional Systems and Nanostructures*, **2002**, 12, 105-108	3	1
152	Insulator□quantum Hall liquid transitions in a two-dimensional electron gas using self-assembled InAs dots. *Physica E: Low-Dimensional Systems and Nanostructures*, **2002**, 12, 658-661	3	1
151	Investigation of injector doping density on intersubband terahertz electro-luminescence from GaAs□AlGaAs quantum cascade structures. *Physica E: Low-Dimensional Systems and Nanostructures*, **2002**, 13, 357-360	3	1
150	Discrete energy level spectrum dependence of fractal conductance fluctuations in semiconductor billiards. *Physica E: Low-Dimensional Systems and Nanostructures*, **2002**, 13, 683-686	3	1
149	□obility gap□of a spin-split GaAs two-dimensional electron gas. *Microelectronics Journal*, **2005**, 36, 466-468	1.8	1
148	Jain□Kivelson-type resonance as a noninvasive probe of screening in the quantum Hall regime. *Microelectronics Journal*, **2005**, 36, 425-427	1.8	1
147	Interaction effects in high-mobility two-dimensional electron and hole systems. *Physica Status Solidi (B): Basic Research*, **2005**, 242, 1204-1208	1.3	1
146	The Insulator-Quantum Hall-Insulator Transitions in a Two-Dimensional GaAs System Containing Self-Assembled InAs Quantum Dots. *AIP Conference Proceedings*, **2005**,	0	1
145	An abnormal joint between medial malleolus and navicular □a source of late-onset pain in treated congenital talipes equinovarus. *Foot and Ankle Surgery*, **2001**, 7, 207-215	3.1	1
144	Hopping Magnetoresistance in a Single 2D Layer in Parallel Magnetic Fields. *Physica Status Solidi (B): Basic Research*, **2000**, 218, 181-183	1.3	1
143	One-dimensional electron transport in devices fabricated by MBE regrowth over a patterned □doped backgate. *Physica E: Low-Dimensional Systems and Nanostructures*, **2000**, 6, 526-529	3	1
142	Novel effects produced on a two dimensional electron gas by introducing InAs dots in the plane of the quantum well. *Physica E: Low-Dimensional Systems and Nanostructures*, **2000**, 6, 276-279	3	1
141	Magneto-optical probe of the two-dimensional hole-system low-temperature ground states. *Physical Review B*, **1995**, 51, 7357-7360	3.3	1
140	Resonant tunneling through two impurities in disordered barriers. *Surface Science*, **1996**, 361-362, 251-254	1.8	1
139	Magneto-optical spectroscopy of neutral and negatively charged excitons in GaAs quantum wells. *Surface Science*, **1996**, 361-362, 451-455	1.8	1

138	GaAs/AlGaAs device fabrication using MBE growth and in situ focused ion beam lithography. *Physica B: Condensed Matter*, **1996**, 227, 264-267	2.8	1
137	Imaging of domains and current filaments in GaAs/AlxGa1-xAs multi-quantum wells. *Semiconductor Science and Technology*, **1993**, 8, 1303-1308	1.8	1
136	Plasma etching of GaAs and AlGaAs using 300 kHz and 13.56 MHz excitation frequency. *Semiconductor Science and Technology*, **1993**, 8, 1775-1778	1.8	1
135	A back-gated high electron mobility transistor utilizing a p-type doped layer. *Semiconductor Science and Technology*, **1993**, 8, 1596-1598	1.8	1
134	Transient photoconductivity in a wide AlGaAs barrier. *Semiconductor Science and Technology*, **1994**, 9, 849-851	1.8	1
133	Double two-dimensional electron gas structure formed by molecular beam epitaxy regrowth on an ex situ patterned n+-GaAs back gate. *Applied Physics Letters*, **1994**, 65, 1943-1945	3.4	1
132	Quantum interference and Landau level broadening in narrow GaAs-AlGaAs channels. *Journal of Physics Condensed Matter*, **1991**, 3, 1003-1010	1.8	1
131	Optical emission spectroscopy of plasma etching of GaAs and InP. *Microelectronic Engineering*, **1993** , 21, 337-340	2.5	1
130	Physics and fabrication of one-dimensional sub-micron semiconducting channels. *Microelectronic Engineering*, **1989**, 9, 369-372	2.5	1
129	Electronic transport in ballistic structures. *Microelectronic Engineering*, **1990**, 11, 35-38	2.5	1
128	The fabrication of submicron gated wires on GaAs/AlGaAs heterostructures using low energy Ga ion beam damage. *Microelectronic Engineering*, **1990**, 11, 19-22	2.5	1
127	Spatial coherence of electrically pumped random terahertz lasers. *Photonics Research*, **2022**, 10, 524	6	1
126	X-ray atomic mapping of quantum dots. *Physical Review Materials*, **2020**, 4,	3.2	1
125	INTERACTIONS AND QUANTUM INTERFERENCE IN THE VARIABLE-RANGE-HOPPING REGIME IN n-TYPE GaAs **1990**, 181-191		1
124	Acoustic Transport of Electrons in Parallel Quantum Wires. *Acta Physica Polonica A*, **2005**, 107, 38-45	0.6	1
123	Amplification of nonlinear polariton pulses in waveguides. *Optics Express*, **2019**, 27, 10692-10704	3.3	1
122	Electrically Controllable Kondo Correlation in Spin-Orbit-Coupled Quantum Point Contacts.. *Physical Review Letters*, **2022**, 128, 027701	7.4	1
121	'Metallic' Behaviour of 2D Electron and Hole Systems near the 'Metal'-to-'Insulator' Transition. *Journal of the Physical Society of Japan*, **2003**, 72, 63-64	1.5	1

120	Exciton□polaritons in GaAs-based slab waveguide photonic crystals. *Applied Physics Letters*, **2021**, 119, 181101	3.4	1
119	Tumours of the Foot. *Medical Radiology*, **2009**, 647-664	0.2	1
118	Nonlinear spin filter for nonmagnetic materials at zero magnetic field. *Physical Review B*, **2020**, 102,	3.3	1
117	Active metamaterial polarization modulators for the Terahertz frequency range. *Journal of Physics: Conference Series*, **2020**, 1571, 012003	0.3	1
116	Engineering electron wavefunctions in asymmetrically confined quasi one-dimensional structures. *Applied Physics Letters*, **2021**, 118, 124002	3.4	1
115	Millimeter-Wave-to-Terahertz Superconducting Plasmonic Waveguides for Integrated Nanophotonics at Cryogenic Temperatures. *Materials*, **2021**, 14,	3.5	1
114	Ultra-Shallow All-Epitaxial Aluminum Gate GaAs/AlxGa1□As Transistors with High Electron Mobility. *Advanced Functional Materials*,2104213	15.6	1
113	High electron mobility and low noise quantum point contacts in an ultra-shallow all-epitaxial metal gate GaAs/AlxGa1□As heterostructure. *Applied Physics Letters*, **2021**, 119, 063105	3.4	1
112	Geometric Control of Universal Hydrodynamic Flow in a Two-Dimensional Electron Fluid. *Physical Review X*, **2021**, 11,	9.1	1
111	Observing separate spin and charge Fermi seas in a strongly correlated one-dimensional conductor. *Science Advances*, **2022**, 8,	14.3	1
110	Suspended two-dimensional electron gases in In0.75Ga0.25As quantum wells. *Applied Physics Letters*, **2020**, 116, 232106	3.4	0
109	Demonstration of electron focusing using electronic lenses in low-dimensional system. *Scientific Reports*, **2020**, 10, 2593	4.9	0
108	Photovoltage detection of Damon□shbach and dipolar edge spin waves of nanomagnets with two-dimensional electron gas system. *Japanese Journal of Applied Physics*, **2018**, 57, 09TF01	1.4	0
107	Optical side-band generation in THz Fabry-Perot laser cavities. *Applied Physics Letters*, **2017**, 111, 231106	3.4	0
106	The dependence of fractal conductance fluctuations on soft-wall profile in a double-2DEG billiard. *Physica E: Low-Dimensional Systems and Nanostructures*, **2002**, 12, 841-844	3	0
105	Cooling low-dimensional electron systems into the microkelvin regime.. *Nature Communications*, **2022**, 13, 667	17.4	0
104	Conductance in Quantum Boxes: Interference and Single Electron Effects. *NATO ASI Series Series B: Physics*, **1995**, 201-216		0
103	Magnetoresistance in an electronic cavity coupled to one-dimensional systems. *Applied Physics Letters*, **2018**, 113, 112101	3.4	0

102	Reappearance of linear hole transport in an ambipolar undoped GaAs/AlGaAs quantum well. *Journal of Physics Condensed Matter*, **2017**, 29, 185302	1.8
101	Molecular Beam Epitaxial Growth of Terahertz Quantum Cascade Lasers **2019**, 175-190	
100	Cavity assisted spin reconfiguration in a quantum wire. *Journal of Physics: Conference Series*, **2018**, 964, 012003	0.3
99	Properties of GaN nanowires with ScxGa1□N insertion. *Physica Status Solidi (B): Basic Research*, **2017**, 254, 1600740	1.3
98	Landau-level mixing, floating-up extended states, and scaling behavior in a GaAs-based two-dimensional electron system containing self-assembled InAs dots. *Semiconductor Science and Technology*, **2017**, 32, 085011	1.8
97	Investigation of Quantum Dot Solar Cell Device Performance. *Materials Research Society Symposia Proceedings*, **2013**, 1551, 137-142	
96	Charge conversion of nearly free and impurity bound magneto-trions immersed in 2D electron or hole gas with optically tunable concentration. *Journal of Physics: Conference Series*, **2013**, 456, 012017	0.3
95	Entangled-Photon Pair Emission from a Light-Emitting Diode. *Journal of Physics: Conference Series*, **2011**, 286, 012022	0.3
94	Crossover from negative to positive magnetoresistance in the double quantum well system with different starting disorder. *Journal of Physics Condensed Matter*, **2010**, 22, 045802	1.8
93	A High Efficiency, Purcell-enhanced Microcavity Single Photon Emitting Diode. *Materials Research Society Symposia Proceedings*, **2009**, 1208, 1	
92	Micron-scale confinement of light and current: single photon sources with oxide apertures. *Journal of Modern Optics*, **2009**, 56, 175-178	1.1
91	Microwave power generation by magnetic superlattices. *Applied Physics Letters*, **2011**, 99, 242107	3.4
90	Observation of anticrossings in the exciton state of single quantum dots via electrical tuning of the fine-structure splitting. *Journal of Physics: Conference Series*, **2011**, 286, 012026	0.3
89	Characterisation of spin-incoherent transport in one dimension. *Journal of Physics: Conference Series*, **2009**, 150, 032029	0.3
88	Noise induced amplification of sub-threshold pulses in multi-thread excitable semiconductor □eurons□*Physica E: Low-Dimensional Systems and Nanostructures*, **2010**, 42, 2853-2856	3
87	Resonant Rayleigh Scattering by Confined Two-Dimensional Excitonic States. *Physica Status Solidi (B): Basic Research*, **1997**, 204, 45-48	1.3
86	Far-infrared study of a quasi-one-dimensional electron gas formed on (100) GaAs with hole gas sidegates on a (311)A GaAs substrate. *Microelectronic Engineering*, **1998**, 43-44, 431-436	2.5
85	Interaction Effects in Resonant Tunneling through Localised States. *Physica Status Solidi (B): Basic Research*, **1998**, 205, 405-411	1.3

84	Experimental studies of T-shaped quantum dot transistors: Phase-coherent electron transport. *Solid State Communications*, **1998**, 105, 109-111	1.6
83	The far-infrared magneto-optical response of strongly coupled 2DEGs near the quantum and semi-classical limits. *Solid-State Electronics*, **1998**, 42, 1195-1198	1.7
82	Experimental evidence for a metal□insulator transition and geometric effect in a half-filled Landau level. *Physica E: Low-Dimensional Systems and Nanostructures*, **1998**, 2, 78-81	3
81	Raman scattering study of the plasmon modes in bilayer systems. *Physica E: Low-Dimensional Systems and Nanostructures*, **1998**, 2, 834-838	3
80	Charged excitons under applied electric and magnetic fields. *Physica B: Condensed Matter*, **1998**, 249-251, 584-588	2.8
79	A study of the relative strengths of spin-pseudospin phases in a strongly coupled double quantum well system. *Physica B: Condensed Matter*, **1998**, 256-258, 130-135	2.8
78	Probing the transition from insulating to metallic behaviour using bi-layer electron systems. *Physica B: Condensed Matter*, **1998**, 256-258, 417-423	2.8
77	Coincidence detection and spike regeneration in artificial neurons. *Physica Status Solidi (A) Applications and Materials Science*, **2008**, 205, 2651-2654	1.6
76	Biphoton interference with a quantum dot source of entangled light. *Physica E: Low-Dimensional Systems and Nanostructures*, **2008**, 40, 1888-1890	3
75	Self-assembled InAs quantum dots to investigate the tunneling between edge states in an AlGaAs/GaAs double quantum well system. *Physica E: Low-Dimensional Systems and Nanostructures*, **2008**, 40, 1442-1445	3
74	Photoresistance oscillations of magnetic quantum wires. *Physica E: Low-Dimensional Systems and Nanostructures*, **2008**, 40, 1436-1438	3
73	0.7 Structure and zero bias anomaly in one-dimensional hole systems. *Physica E: Low-Dimensional Systems and Nanostructures*, **2008**, 40, 1501-1503	3
72	Oxide□emiconductor micro-pillar cavities. *Physica E: Low-Dimensional Systems and Nanostructures*, **2008**, 40, 2093-2095	3
71	Metallic behavior in low-disorder two-dimensional hole systems in the presence of long- and short-range disorder. *Physica E: Low-Dimensional Systems and Nanostructures*, **2008**, 40, 1599-1601	3
70	Terahertz quantum cascade lasers with quasi-periodic resonators. *Physica E: Low-Dimensional Systems and Nanostructures*, **2008**, 40, 2176-2178	3
69	Analogue summation of electrical spike trains in semiconductor nerve fibres. *Physica E: Low-Dimensional Systems and Nanostructures*, **2008**, 40, 2214-2216	3
68	Resistively detected microwave absorption by planar spin oscillators. *Journal of Physics: Conference Series*, **2006**, 51, 419-422	0.3
67	The effect of a non-uniform scattering potential on conductance fluctuations in a quantum wire. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2006**, 3, 325-328	

66	Effects of interactions and disorder on the compressibility of two-dimensional electron and hole systems. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2006**, 3, 343-346	
65	Entangled photon pairs from a quantum dot source. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2006**, 3, 3697-3701	
64	Effect of a mixed scattering potential on the conductance fluctuations of a quasi-ballistic wire. *Physica E: Low-Dimensional Systems and Nanostructures*, **2006**, 34, 580-583	3
63	Closely spaced, independently contacted electron–hole bilayers in GaAs/AlGaAs heterostructures. *Physica E: Low-Dimensional Systems and Nanostructures*, **2006**, 34, 689-692	3
62	Electron interaction and memory effects in the presence of mixed disorder. *Physica E: Low-Dimensional Systems and Nanostructures*, **2006**, 34, 264-267	3
61	DEVIATION FROM EXACT CONDUCTANCE QUANTIZATION IN A SHORT CLEAN ONE-DIMENSIONAL CHANNEL. *International Journal of Nanoscience*, **2003**, 02, 551-558	0.6
60	Suppression and enhancement of shot noise in mesoscopic transport through localized states **2003**, 5115, 142	
59	Two processing techniques to sandwich a 100 nm GaAs layer between ferromagnetic metallic electrodes. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **2003**, 21, 1449	
58	Phonon-drag thermopower of lateral superlattices: the role of anisotropic scattering. *Journal of Physics Condensed Matter*, **2003**, 15, 6985-6995	1.8
57	Selective spin-resolved edge-current injection into a quantum antidot. *Physica E: Low-Dimensional Systems and Nanostructures*, **2004**, 22, 168-172	3
56	Standing waves of magnetic edge states in mesoscopic magnetic rings. *Physica E: Low-Dimensional Systems and Nanostructures*, **2004**, 22, 193-196	3
55	Can the conductance step of a single-mode ballistic constriction be lower than 2e2/h?. *Physica E: Low-Dimensional Systems and Nanostructures*, **2004**, 22, 268-271	3
54	Leakage current induced anomalies in the photoluminescence of GaAs coupled quantum wells. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2004**, 1, 612-615	
53	Upshift of the fractional quantum Hall plateaux: evidence for repulsive scattering for composite fermions. *Physica E: Low-Dimensional Systems and Nanostructures*, **2004**, 22, 135-137	3
52	Kondo-like behaviour as manifestation of many-body interactions around a quantum antidot. *Physica E: Low-Dimensional Systems and Nanostructures*, **2004**, 22, 558-561	3
51	Erasable electrostatic lithography for quantum components. *Physica E: Low-Dimensional Systems and Nanostructures*, **2004**, 25, 319-325	3
50	Coulomb Drag Measurements of a Double Quantum Well **2002**, 519-522	
49	The dependence of fractal conductance fluctuations on semiconductor billiard parameters. *Physica B: Condensed Matter*, **2002**, 314, 477-480	2.8

48	Spin-dependent transport in a two-dimensional GaAs electron gas in a parallel magnetic field. *Physica E: Low-Dimensional Systems and Nanostructures*, **2002**, 12, 412-415	3
47	Fermi-liquid behaviour near the crossover from metallic to insulating behaviour of 2D electron and hole systems. *Physica E: Low-Dimensional Systems and Nanostructures*, **2002**, 12, 595-599	3
46	Investigation of an open quantum dot with a Coulomb blockade quantum dot detector. *Physica E: Low-Dimensional Systems and Nanostructures*, **2002**, 12, 827-829	3
45	Tuning of the intersubband emission below the longitudinal optical phonon energy in GaAs/AlGaAs quantum cascade emitters. *Applied Physics Letters*, **2003**, 83, 1063-1065	3.4
44	Evidence for a finite compressibility of a quasi-one-dimensional ballistic channel. *Microelectronics Journal*, **2005**, 36, 331-333	1.8
43	Daily calibration of InAs growth rates using pyrometry. *Journal of Crystal Growth*, **2005**, 278, 473-477	1.6
42	Far-infrared spectroscopy of a two-dimensional electron gas in a tunable, periodically modulated magnetic field. *Physica E: Low-Dimensional Systems and Nanostructures*, **2000**, 6, 738-741	3
41	Single electron transport in samples containing InAs self-assembled dashes and dots. *Physica E: Low-Dimensional Systems and Nanostructures*, **2000**, 6, 486-489	3
40	Current flow past an etched barrier: field emission from a two-dimensional electron gas. *Europhysics Letters*, **1998**, 41, 327-332	1.6
39	Selective area oxide desorption by electron irradiation in a H2 ambient on GaAs (100). *Applied Physics Letters*, **1999**, 74, 950-952	3.4
38	Haematogenous vertebral osteomyelitis and septic arthritis of the wrist complicating septic arthritis of the foot in a diabetic patient. *Practical Diabetes International: the International Journal for Diabetes Care Teams Worldwide*, **1999**, 16, 121-123	
37	Low-dimensional devices fabricated by molecular beam epitaxy regrowth over patterned delta-doped backgates. *Microelectronics Journal*, **1999**, 30, 315-318	1.8
36	Anomalous integer quantum Hall states in coupled double quantum wells and the effect of Landau level broadening. *Journal of Physics Condensed Matter*, **1999**, 11, 3711-3728	1.8
35	Growth Temperature Dependence of Size Distribution of Self-Assembled Inas Quantum Dots on Gaas(001): From Diffusion-To Strain-Limited Growth. *Materials Research Society Symposia Proceedings*, **1999**, 583, 63	
34	Side-gated double barrier resonant tunnelling diodes formed by patterned substrate regrowth. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **1995**, 35, 198-202	3.1
33	A hole facet wire formed by MBE regrowth over an ex-situ patterned GaAs substrate. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **1995**, 35, 203-207	3.1
32	Universal dissipative resistivity in the fractional quantum Hall effect of two-dimensional hole systems. *Physical Review B*, **1995**, 52, R5507-R5510	3.3
31	Excitations of a drifting 2DEG. *Solid-State Electronics*, **1996**, 40, 719-723	1.7

30	The Growth and Physics of MBE Structures. *Physica Scripta*, **1989**, T29, 141-146	2.6
29	One-dimensional transport phenomena in GaAs heterojunction structures. *Physica A: Statistical Mechanics and Its Applications*, **1990**, 168, 112-120	3.3
28	Texture and terahertz analysis of YBa2Cu3O7 grown onto LaAlO3 by the chemical solution deposition technique. *Heat Treatment and Surface Engineering*, **2021**, 3, 1-8	0.3
27	Quantum dots for single photon and photon pair technology **2006**, 288-297	
26	Interactions in High-Mobility 2D Electron and Hole Systems **2004**, 349-370	
25	Effect of Injector Doping on Non-Equilibrium Electron Dynamics in Mid-Infrared GaAs/AlGaAs Quantum Cascade Lasers **2006**, 85-88	
24	Quantum Dots in Planar Cavities Single and Entangled Photon Sources **2008**, 59-69	
23	Single-electron pump with highly controllable plateaus. *Applied Physics Letters*, **2021**, 119, 153102	3.4
22	Is there a true metallic state in two dimensions?. *Springer Proceedings in Physics*, **2001**, 735-738	0.2
21	Rapid recombination process of free trions. *Springer Proceedings in Physics*, **2001**, 497-498	0.2
20	Localised Exciton Transitions in High-Quality GaAs/AlGaAs Quantum Wells. *Springer Proceedings in Physics*, **2001**, 533-534	0.2
19	Excess carrier effects upon the excitonic absorption thresholds of remotely doped GaAs/AlGaAs quantum wells. *Springer Proceedings in Physics*, **2001**, 505-506	0.2
18	A method of determining potential barrier heights at semiconductor heterointerfaces. *Springer Proceedings in Physics*, **2001**, 753-754	0.2
17	Off-axis electron holography of focused ion beam milled GaAs and Si p-n junctions. *Springer Proceedings in Physics*, **2005**, 221-224	0.2
16	Non-Invasive Charge Detectors **2006**, 213-227	
15	Control of Exciton Fine Structure Splitting in Quantum Dots. *Acta Physica Polonica A*, **2006**, 110, 311-318	0.6
14	Ballistic Transport in Quasi-One-Dimensional Structures. *NATO ASI Series Series B: Physics*, **1989**, 115-141	
13	Quantisation of Resistance in One-Dimensional Ballistic Transport. *Springer Series in Solid-state Sciences*, **1989**, 366-370	0.4

12	Controllable Scattering, Fabry-PÉot States and Quantum Coupling in Ballistic Devices. *Springer Series in Solid-state Sciences*, **1990**, 88-98	0.4
11	Aspects of One Dimensional Transport Effects in Gallium Arsenide Heterojunction Structures. *NATO ASI Series Series B: Physics*, **1991**, 451-467	
10	Photoconductive Response of a Quasi-One Dimensional Channel. *NATO ASI Series Series B: Physics*, **1991**, 551-554	
9	Thermal Transport in Free-Standing GaAs Wires in a High Magnetic Field. *Springer Series in Solid-state Sciences*, **1992**, 325-328	0.4
8	Indentation of Semiconductor Superlattices **1993**, 489-494	
7	Real Time 3-D Patterned Crystal Growth of GaAs Using a Low Energy Focused Ion Beam and Molecular Beam Epitaxy **1996**, 41-45	
6	3-D Patterned III-V Semiconductor Devices Using High Energy In-Situ Focused Ion Beam Lithography and MBE **1996**, 35-39	
5	Nanosession: Qubit Systems357-366	
4	Ballistic Hall Photovoltammetry of Magnetic Resonance in Individual Nanomagnets. *Physical Review Letters*, **2021**, 126, 207701	7.4
3	Non-invasive charge detection in surface-acoustic-wave-defined dynamic quantum dots. *Applied Physics Letters*, **2016**, 109, 183501	3.4
2	Conductance quantisation in patterned gate InGaAs structures up to 6 □(2e /h). *Journal of Physics Condensed Matter*, **2019**, 31, 104002	1.8
1	Continuous wave vertical emission from terahertz microcavity lasers with a dual injection scheme. *Optics Express*, **2021**, 29, 33602-33614	3.3