Chi-Te Liang

List of Publications by Year
in descending order

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238 papers	5,152 citations	147566 31 h-index	102304 66 g-index
239 all docs	239 docs citations	239 times ranked	8887 citing authors

#	Article	IF	Citations
1	Ultrahigh-Gain Photodetectors Based on Atomically Thin Graphene-MoS2 Heterostructures. Scientific Reports, 2014, 4, 3826.	1.6	771
2	Wafer-scale MoS2 thin layers prepared by MoO3 sulfurization. Nanoscale, 2012, 4, 6637.	2.8	621
3	Nitrogen-Doped Graphene Sheets Grown by Chemical Vapor Deposition: Synthesis and Influence of Nitrogen Impurities on Carrier Transport. ACS Nano, 2013, 7, 6522-6532.	7.3	264
4	Synthesis of Graphene-ZnO-Au Nanocomposites for Efficient Photocatalytic Reduction of Nitrobenzene. Environmental Science & Technology, 2013, 47, 6688-6695.	4.6	204
5	Cleanâ€Lifting Transfer of Largeâ€area Residualâ€Free Graphene Films. Advanced Materials, 2013, 25, 4521-4526.	11.1	157
6	Intermixing-seeded growth for high-performance planar heterojunction perovskite solar cells assisted by precursor-capped nanoparticles. Energy and Environmental Science, 2016, 9, 1282-1289.	15.6	157
7	Plant leaf-derived graphene quantum dots and applications for white LEDs. New Journal of Chemistry, 2014, 38, 4946-4951.	1.4	134
8	Extrinsic Origin of Persistent Photoconductivity in Monolayer MoS2 Field Effect Transistors. Scientific Reports, 2015, 5, 11472.	1.6	110
9	Photoluminescent graphene quantum dots for in vivo imaging of apoptotic cells. Nanoscale, 2015, 7, 2504-2510.	2.8	100
10	Electricalâ€Polarizationâ€Induced Ultrahigh Responsivity Photodetectors Based on Graphene and Graphene Quantum Dots. Advanced Functional Materials, 2016, 26, 620-628.	7.8	98
11	Thermoelectric signature of the excitation spectrum of a quantum dot. Physical Review B, 1997, 55, R10197-R10200.	1.1	97
12	Electroluminescence from ZnO/Si-Nanotips Light-Emitting Diodes. Nano Letters, 2009, 9, 1839-1843.	4.5	83
13	Detection of Coulomb Charging around an Antidot in the Quantum Hall Regime. Physical Review Letters, 1999, 83, 160-163.	2.9	67
14	Mechanism of giant enhancement of light emission from Au/CdSe nanocomposites. Nanotechnology, 2007, 18, 415707.	1.3	64
15	Synthesis of enzyme mimics of iron telluride nanorods for the detection of glucose. Chemical Communications, 2012, 48, 4079.	2.2	61
16	Low Carrier Density Epitaxial Graphene Devices On SiC. Small, 2015, 11, 90-95.	5.2	59
17	Spin-dependent transport in a quasiballistic quantum wire. Physical Review B, 2000, 61, 9952-9955.	1.1	51
18	Experimental Evidence for Coulomb Charging Effects in an Open Quantum Dot at Zero Magnetic Field. Physical Review Letters, 1998, 81, 3507-3510.	2.9	50

#	Article	IF	Citations
19	Strong luminescence from strain relaxed InGaN/GaN nanotips for highly efficient light emitters. Optics Express, 2007, 15, 9357.	1.7	50
20	Ultrasensitive Gas Sensors Based on Vertical Graphene Nanowalls/SiC/Si Heterostructure. ACS Sensors, 2019, 4, 406-412.	4.0	46
21	Experimental evidence for Efrosâ€“Shklovskii variable range hopping in hydrogenated graphene. Solid State Communications, 2012, 152, 905-908.	0.9	45
22	Sunlight-activated graphene-heterostructure transparent cathodes: enabling high-performance n-graphene/p-Si Schottky junction photovoltaics. Energy and Environmental Science, 2015, 8, 2085-2092.	15.6	42
23	Cross-linked PMMA as a low-dimensional dielectric sacrificial layer. Journal of Microelectromechanical Systems, 2003, 12, 641-648.	1.7	41
24	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.	1.5	37
25	Spin-dependent photocurrent induced by Rashba-type spin splitting inAl0.25Ga0.75Nâˆ•GaNheterostructures. Physical Review B, 2007, 75, .	1.1	36
26	Zero-field spin splitting in modulation-doped AlxGa1â^'xNâˆ•GaN two-dimensional electron systems. Applied Physics Letters, 2005, 86, 222102.	1.5	35
27	High-Performance InSe Transistors with Ohmic Contact Enabled by Nonrectifying Barrier-Type Indium Electrodes. ACS Applied Materials & Interfaces, 2018, 10, 33450-33456.	4.0	35
28	Multicolor Ultralowâ€Threshold Random Laser Assisted by Verticalâ€Graphene Network. Advanced Optical Materials, 2018, 6, 1800382.	3.6	35
29	Effective mass of two-dimensional electron gas in an Al0.2Ga0.8N/GaN heterojunction. Applied Physics Letters, 2001, 79, 66-68.	1.5	34
30	Transport in a gated Al0.18Ga0.82N/GaN electron system. Journal of Applied Physics, 2003, 94, 3181-3184.	1.1	32
31	Exchange-enhanced gâ€factors in an Al0.25Ga0.75Nâˆ•GaN two-dimensional electron system. Journal of Applied Physics, 2004, 96, 7370-7373.	1.1	32
32	Magnesium Doping of In-rich InGaN. Japanese Journal of Applied Physics, 2007, 46, 2840-2843.	0.8	32
33	Ultrahigh contrast light valve driven by electrocapillarity of liquid gallium. Applied Physics Letters, 2009, 95, .	1.5	31
34	Growth and characterization of ZnO/ZnTe core/shell nanowire arrays on transparent conducting oxide glass substrates. Nanoscale Research Letters, 2012, 7, 401.	3.1	30
35	Characterization of Single-Crystalline Aluminum Thin Film on (100) GaAs Substrate. Japanese Journal of Applied Physics, 2013, 52, 045801.	0.8	30
36	Insulator-quantum Hall conductor transitions at low magnetic field. Physical Review B, 2001, 65, .	1.1	29

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37	Transport in disordered monolayer MoS₂nanoflakesâ€"evidence for inhomogeneous charge transport. Nanotechnology, 2014, 25, 375201.	1.3	29
38	Resonant transmission through an open quantum dot. Physical Review B, 1997, 55, 6723-6726.	1.1	28
39	Fabrication and photoresponse of ZnO nanowires/CuO coaxial heterojunction. Nanoscale Research Letters, 2013, 8, 387.	3.1	28
40	Rational design of hetero-dimensional C-ZnO/MoS2 nanocomposite anchored on 3D mesoporous carbon framework towards synergistically enhanced stability and efficient visible-light-driven photocatalytic activity. Chemosphere, 2021, 266, 129148.	4.2	28
41	Transport behavior and negative magnetoresistance in chemically reduced graphene oxide nanofilms. Nanotechnology, 2011, 22, 335701.	1.3	27
42	Robust fractional quantum Hall effect in the N=2 Landau level in bilayer graphene. Nature Communications, 2016, 7, 13908.	5.8	27
43	Electron transport in In-rich InxGa1â^'xN films. Journal of Applied Physics, 2005, 97, 046101.	1.1	26
44	From localization to Landau quantization in a two-dimensional GaAs electron system containing self-assembled InAs quantum dots. Physical Review B, 2004, 69, .	1.1	25
45	Fe₂O₃/Al₂O₃microboxes for efficient removal of heavy metal ions. New Journal of Chemistry, 2017, 41, 7751-7757.	1.4	25
46	Room-temperature violet luminescence and ultraviolet photodetection of Sb-doped ZnO/Al-doped ZnO homojunction array. Nanoscale Research Letters, 2013, 8, 313.	3.1	24
47	Spin-orbit-coupled superconductivity. Scientific Reports, 2014, 4, 5438.	1.6	22
48	Epitaxial growth of Bi 2 Te 3 topological insulator thin films by temperature-gradient induced physical vapor deposition (PVD). Journal of Alloys and Compounds, 2016, 686, 989-997.	2.8	22
49	Spin-dependent transport in a clean one-dimensional channel. Physical Review B, 1999, 60, 10687-10690.	1.1	21
50	Electrically detected and microwave-modulated Shubnikovâ€"de Haas oscillations in an Al0.4Ga0.6N/GaN heterostructure. Journal of Applied Physics, 2003, 93, 2055-2058.	1.1	21
51	A study on the epitaxial Bi2Se3 thin film grown by vapor phase epitaxy. AIP Advances, 2016, 6, .	0.6	20
52	2D CTAB-MoSe2 Nanosheets and 0D MoSe2 Quantum Dots: Facile Top-Down Preparations and Their Peroxidase-Like Catalytic Activity for Colorimetric Detection of Hydrogen Peroxide. Nanomaterials, 2020, 10, 2045.	1.9	20
53	Graphene quantum Hall effect parallel resistance arrays. Physical Review B, 2021, 103, .	1.1	20
54	Atypical quantized resistances in millimeter-scale epitaxial graphene p-n junctions. Carbon, 2019, 154, 230-237.	5.4	19

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55	Unprecedented random lasing in 2D organolead halide single-crystalline perovskite microrods. Nanoscale, 2020, 12, 18269-18277.	2.8	19
56	Effect of nitrogen contents on the temperature dependence of photoluminescence in InGaAsNâˆ•GaAs single quantum wells. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2006, 24, 1223-1227.	0.9	17
57	Coulomb charging effects in an open quantum dot device. Journal of Physics Condensed Matter, 2001, 13, 9515-9534.	0.7	16
58	Chemical-doping-driven crossover from graphene to â€œordinary metalâ€•in epitaxial graphene grown on SiC. Nanoscale, 2017, 9, 11537-11544.	2.8	16
59	On the low-field insulator-quantum Hall conductor transitions. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 22, 240-243.	1.3	15
60	Design Optimization for Maximized Thermoelectric Generator Performance. Journal of Electronic Materials, 2020, 49, 306-310.	1.0	15
61	Multilayered gated lateral quantum dot devices. Applied Physics Letters, 2000, 76, 1134-1136.	1.5	14
62	Substrate dependence of large ordinary magnetoresistance in sputtered Bi films. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1769-1771.	1.0	14
63	Huge positive magnetoresistance in an InN film. Applied Physics Letters, 2007, 90, 172101.	1.5	14
64	Optical characteristics of nonpolara-plane ZnO thin film on (010) LiGaO2substrate. Semiconductor Science and Technology, 2014, 29, 085004.	1.0	14
65	Linear magnetoresistance in monolayer epitaxial graphene grown on SiC. Materials Letters, 2016, 174, 118-121.	1.3	14
66	Theory of the quantum Hall effect in finite graphene devices. Physical Review B, 2010, 81, .	1.1	13
67	Atomic-scale epitaxial aluminum film on GaAs substrate. AIP Advances, 2017, 7, 075213.	0.6	13
68	Highly sensitive broadband binary photoresponse in gateless epitaxial graphene on 4Hâ€“SiC. Carbon, 2021, 184, 72-81.	5.4	13
69	Ferroelectric 2D ice under graphene confinement. Nature Communications, 2021, 12, 6291.	5.8	13
70	Measurements of a composite fermion split-gate device. Physical Review B, 1996, 53, R7596-R7598.	1.1	12
71	A study on the universality of the magnetic-field-induced phase transitions in the two-dimensional electron system in an AlGaAs/GaAs heterostructure. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 22, 232-235.	1.3	12
72	Huge positive magnetoresistance of GaAsâˆ•AlGaAs high electron mobility transistor structures at high temperatures. Applied Physics Letters, 2007, 90, 252106.	1.5	12

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73	Efficient reduction of graphene oxide catalyzed by copper. Physical Chemistry Chemical Physics, 2012, 14, 3083.	1.3	12
74	Mesoscopic conductance fluctuations in multi-layer graphene. Applied Physics Letters, 2013, 103, 043117.	1.5	12
75	Insulator-quantum Hall transition in monolayer epitaxial graphene. RSC Advances, 2016, 6, 71977-71982.	1.7	12
76	Large, non-saturating magnetoresistance in single layer chemical vapor deposition graphene with an h-BN capping layer. Carbon, 2018, 136, 211-216.	5.4	12
77	Tunnelling transmission resonances through a zero-dimensional structure. Semiconductor Science and Technology, 1997, 12, 875-880.	1.0	11
78	Temperature-dependent optical properties of single quantum well with high nitrogen content for application grown by molecular beam epitaxy. Journal of Crystal Growth, 2006, 291, 27-33.	0.7	11
79	From insulator to quantum Hall liquid at low magnetic fields. Physical Review B, 2008, 78, .	1.1	11
80	Evidence for formation of multi-quantum dots in hydrogenated graphene. Nanoscale Research Letters, 2012, 7, 459.	3.1	11
81	Weak localization and universal conductance fluctuations in multi-layer graphene. Current Applied Physics, 2014, 14, 108-111.	1.1	11
82	Electron-electron interactions in Al0.15Ga0.85Nâˆ•GaN high electron mobility transistor structures grown on Si substrates. Applied Physics Letters, 2007, 90, 022107.	1.5	10
83	Non-ohmic behavior of carrier transport in highly disordered graphene. Nanotechnology, 2013, 24, 165201.	1.3	10
84	Green synthesis of Siâ€“GQD nanocomposites as cost-effective catalysts for oxygen reduction reaction. RSC Advances, 2016, 6, 108941-108947.	1.7	10
85	Temperature dependence of electron density and electronâ€“electron interactions in monolayer epitaxial graphene grown on SiC. 2D Materials, 2017, 4, 025007.	2.0	10
86	Weak localization and electron-electron interactions in a two-dimensional grid lateral surface superlattice. Physical Review B, 1994, 49, 8518-8521.	1.1	9
87	One-dimensional ballistic channel with a triple-barrier longitudinal potential: Measurement and model. Physical Review B, 1994, 49, 14078-14080.	1.1	9
88	Transport properties of two-dimensional electron gases containing linear ordering InAs self-assembled quantum dots. Applied Physics Letters, 2001, 78, 3896-3898.	1.5	9
89	Gradual decrease of conductance of an adiabatic ballistic constriction below2e2âˆ•h. Physical Review B, 2004, 70, .	1.1	9
90	Superconductivity and mixed-state characteristic of InN films by metal-organic vapor phase epitaxy. Diamond and Related Materials, 2006, 15, 1179-1183.	1.8	9

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91	An experimental study on Î“(2) modular symmetry in the quantum Hall system with a small spin splitting. Journal of Physics Condensed Matter, 2007, 19, 026205.	0.7	9
92	Probing Landau quantization with the presence of insulatorâ€“quantum Hall transition in a GaAs two-dimensional electron system. Journal of Physics Condensed Matter, 2008, 20, 295223.	0.7	9
93	The Growth and Characterization of ZnO/ZnTe Coreâ€“Shell Nanowires and the Electrical Properties of ZnO/ZnTe Coreâ€“Shell Nanowire Field Effect Transistor. Journal of Nanoscience and Nanotechnology, 2011, 11, 2042-2046.	0.9	9
94	On the direct insulator-quantum Hall transition in two-dimensional electron systems in the vicinity of nanoscaled scatterers. Nanoscale Research Letters, 2011, 6, 131.	3.1	9
95	A delta-doped quantum well system with additional modulation doping. Nanoscale Research Letters, 2011, 6, 139.	3.1	9
96	Experimental evidence for direct insulator-quantum Hall transition in multi-layer graphene. Nanoscale Research Letters, 2013, 8, 214.	3.1	9
97	Spin polarization in a two-dimensional electron gas in GaAs. Physica Scripta, 2013, 87, 045703.	1.2	9
98	Dirac fermion heating, current scaling, and direct insulator-quantum Hall transition in multilayer epitaxial graphene. Nanoscale Research Letters, 2013, 8, 360.	3.1	9
99	Intrinsic magnetic properties of plant leaf-derived graphene quantum dots. Materials Letters, 2016, 170, 110-113.	1.3	9
100	Demonstration of Rashba spin splitting in an Al0.25Ga0.75N/GaN heterostructure by microwave-modulated Shubnikovâ€“de Haas oscillations. Semiconductor Science and Technology, 2007, 22, 870-874.	1.0	8
101	Direct deposition of single-walled carbon nanotube thin films via electrostatic spray assisted chemical vapor deposition. Nanotechnology, 2009, 20, 065601.	1.3	8
102	Chiral angle dependence of resonance window widths in (2n+m) families of single-walled carbon nanotubes. Applied Physics Letters, 2010, 96, .	1.5	8
103	Iron telluride nanorods-based system for the detection of total mercury in blood. Journal of Hazardous Materials, 2012, 243, 286-291.	6.5	8
104	Pure electron-electron dephasing in percolative aluminum ultrathin film grown by molecular beam epitaxy. Nanoscale Research Letters, 2015, 10, 71.	3.1	8
105	Variable range hopping and nonlinear transport in monolayer epitaxial graphene grown on SiC. Semiconductor Science and Technology, 2016, 31, 105008.	1.0	8
106	Crossover from Efrosâ€“Shklovskii to Mott variable range hopping in monolayer epitaxial graphene grown on SiC. Chinese Journal of Physics, 2017, 55, 1235-1241.	2.0	8
107	Conductance interference effects in an electron-beam-resist-free chemical vapor deposition graphene device sandwiched between two h-BN sheets. Carbon, 2019, 154, 238-243.	5.4	8
108	Large transconductance oscillations in a single-well vertical Aharonov-Bohm interferometer. Physical Review B, 2000, 62, R10630-R10632.	1.1	7

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109	Effects of Zeeman spin splitting on the modular symmetry in the quantum Hall effect. Microelectronics Journal, 2005, 36, 469-471.	1.1	7
110	Influence of the incorporation of metals on the optical properties of MCM-41. Journal of Luminescence, 2008, 128, 553-558.	1.5	7
111	Crossover from negative to positive magnetoresistance in a Si delta-doped GaAs single quantum well. Solid State Communications, 2010, 150, 1104-1107.	0.9	7
112	Controllable Disorder in a Hybrid Nanoelectronic System: Realization of a Superconducting Diode. Scientific Reports, 2013, 3, 2274.	1.6	7
113	Magnetotransport in variable-coupling one-dimensional ballistic constrictions. Journal of Applied Physics, 2002, 92, 5304-5309.	1.1	6
114	Transport and quantum lifetime dependence on electron density in gated GaAs/AlGaAs heterostructures. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 22, 312-315.	1.3	6
115	Growth and characterization of GaN/AlGaN high-electron mobility transistors grown on p-type Si substrates. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 32, 566-568.	1.3	6
116	Electron heating and huge positive magnetoresistance in an AlGaAsâˆ•GaAs high electron mobility transistor structure at high temperatures. Applied Physics Letters, 2008, 92, 152117.	1.5	6
117	Probing two-dimensional metallic-like and localization effects at low magnetic fields. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 1142-1144.	1.3	6
118	Probing the onset of strong localization and electronâ€“electron interactions with the presence of a direct insulatorâ€“quantum Hall transition. Solid State Communications, 2010, 150, 1902-1905.	0.9	6
119	Proposed Nonmagnetic Stern-Gerlach Experiment Using Electron Diffraction. Physical Review Letters, 2010, 105, 217205.	2.9	6
120	Electronâ€“electron interaction in high-quality epitaxial graphene. New Journal of Physics, 2011, 13, 113005.	1.2	6
121	Application of Impedance Measurement Technology in Distinguishing Different Tea Samples with Ppy/SWCNT Composite Sensing Material. Journal of the Chinese Chemical Society, 2011, 58, 714-722.	0.8	6
122	Probing temperature-driven flow lines in a gated two-dimensional electron gas with tunable spin-splitting. Journal of Physics Condensed Matter, 2012, 24, 405801.	0.7	6
123	Electron transport in a GaPSb film. Nanoscale Research Letters, 2012, 7, 640.	3.1	6
124	Probing weak localization in chemical vapor deposition graphene wide constriction using scanning gate microscopy. Nanotechnology, 2016, 27, 075601.	1.3	6
125	Accessing ratios of quantized resistances in graphene pâ€“n junction devices using multiple terminals. AIP Advances, 2020, 10, 025112.	0.6	6
126	Two-dimensional molybdenum trioxide nanoflakes wrapped with interlayer-expanded molybdenum disulfide nanosheets: Superior performances in supercapacitive energy storage and visible-light-driven photocatalysis. International Journal of Hydrogen Energy, 2021, 46, 34663-34678.	3.8	6

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127	Measurements of a composite fermion split-gate. Surface Science, 1996, 361-362, 71-74.	0.8	5
128	Al0.15Ga0.85Nâˆ•GaN high electron mobility transistor structures grown on p-type Si substrates. Applied Physics Letters, 2006, 89, 132107.	1.5	5
129	Optical investigation of an AlGaN/GaN interface with the presence of a two-dimensional electron gas. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 43, 125-129.	1.3	5
130	Ballistic Transport in 1D GaAs/AlGaAs Heterostructures. , 2011, , 279-325.		5
131	Insulator, semiclassical oscillations and quantum Hall liquids at low magnetic fields. Journal of Physics Condensed Matter, 2012, 24, 405601.	0.7	5
132	Size effects on phonon localization and Raman enhancement in silicon nanotips. Journal of Raman Spectroscopy, 2013, 44, 81-85.	1.2	5
133	Observation of quantum Hall plateau-plateau transition and scaling behavior of the zeroth Landau level in graphene‹mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"›‹mml:mrow›‹mml:mi›p‹/mml:mi›‹mml:mtext›â^'‹/mml:mtext›‹mml:mi›n‹ Physical Review B, 2016, 93, .	1.1	5
134	Experimental Evidence for Weak Insulator-Quantum Hall Transitions in GaN/AlGaN Two-Dimensional Electron Systems. Journal of the Korean Physical Society, 2007, 50, 1643.	0.3	5
135	Electron Heating and Current Scaling in a GaAs Two-Dimensional Electron System. Journal of the Korean Physical Society, 2007, 50, 1662.	0.3	5
136	Phase Modulation of Self-Gating in Ionic Liquid-Functionalized InSe Field-Effect Transistors. Nano Letters, 2022, 22, 2270-2276.	4.5	5
137	Ballistic composite fermions in semiconductor nanostructures. Physical Review B, 1996, 53, 9602-9605.	1.1	4
138	Exchange-enhanced LandÃ© g-factor, effective disorder and collapse of spin-splitting in a two-dimensional GaAs electron system. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 12, 424-427.	1.3	4
139	Effect of Buffer Layers on Electrical, Optical and Structural Properties of AlGaN/GaN Heterostructures Grown on Si. Japanese Journal of Applied Physics, 2006, 45, 2516-2518.	0.8	4
140	Tunable insulator-quantum Hall transition in a weakly interacting two-dimensional electron system. Nanoscale Research Letters, 2013, 8, 307.	3.1	4
141	Hot carriers in epitaxial graphene sheets with and without hydrogen intercalation: role of substrate coupling. Nanoscale, 2014, 6, 10562-10568.	2.8	4
142	Imaging coherent transport in chemical vapor deposition graphene wide constriction by scanning gate microscopy. Applied Physics Letters, 2016, 108, .	1.5	4
143	Modulation of spin-charge conversion in silicon. Applied Physics Letters, 2019, 115, 232101.	1.5	4
144	A Self-Assembled Graphene Ribbon Device on SiC. ACS Applied Electronic Materials, 2020, 2, 204-212.	2.0	4

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145	Disorder-induced 2D superconductivity in a NbTiN film grown on Si by ultrahigh-vacuum magneton sputtering. Superconductor Science and Technology, 2022, 35, 064003.	1.8	4
146	Dynamics of transient hole doping in epitaxial graphene. Physical Review B, 2022, 105, .	1.1	4
147	Reflection of edge states in the fractional quantum Hall regime. Solid State Communications, 1995, 96, 327-331.	0.9	3
148	Experimental evidence of a metal-insulator transition in a half-filled Landau level. Solid State Communications, 1997, 102, 327-330.	0.9	3
149	Evidence for charging effects in an open dot at zero magnetic field. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 6, 418-422.	1.3	3
150	Detection of Coulomb charging around an antidot. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 6, 495-498.	1.3	3
151	Quantum magneto-transport in two-dimensional GaAs electron gases and SiGe hole gases. Journal of Physics and Chemistry of Solids, 2001, 62, 1789-1796.	1.9	3
152	Coulomb oscillations of the ballistic conductance in a quasi-one-dimensional quantum dot. JETP Letters, 2001, 74, 209-212.	0.4	3
153	Spin-dependent transport in a dilute two-dimensional GaAs electron gas in a parallel magnetic field. Physical Review B, 2001, 64, .	1.1	3
154	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.	1.3	3
155	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.	1.3	3
156	Experimental evidence for screening effects from surface states in GaAs/AlGaAs based nanostructures. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 22, 570-573.	1.3	3
157	Experimental evidence for Drude-Boltzmann-like transport in a two-dimensional electron gas in an AlGaN/GaN heterostructure. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 1713-1716.	0.8	3
158	Effect of the electromagnetic environment on the dynamics of charge and phase particles in one-dimensional arrays of small Josephson junctions. Europhysics Letters, 2011, 96, 47004.	0.7	3
159	Direct measurement of the spin gaps in a gated GaAs two-dimensional electron gas. Nanoscale Research Letters, 2013, 8, 138.	3.1	3
160	Non-monotonic magnetoresistivity in two-dimensional electron systems. Journal of the Korean Physical Society, 2014, 65, 1503-1507.	0.3	3
161	Localization and electron-electron interactions in few-layer epitaxial graphene. Nanotechnology, 2014, 25, 245201.	1.3	3
162	Hot Carriers in CVD-Grown Graphene Device with a Top h-BN Layer. Journal of Nanomaterials, 2018, 2018, 1-7.	1.5	3

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163	Spin Hall angle and spin diffusion length of permalloy. AIP Advances, 2020, 10, .	0.6	3
164	Onsager-Casimir frustration from resistance anisotropy in graphene quantum Hall devices. Physical Review B, 2021, 104, .	1.1	3
165	Magnetotransport in hybrid InSe/monolayer graphene on SiC. Nanotechnology, 2021, 32, 155704.	1.3	3
166	Berezinskiiâ€“Kosterlitzâ€“Thouless transition in an Al superconducting nanofilm grown on GaAs by molecular beam epitaxy. Nanotechnology, 2020, 31, 205002.	1.3	3
167	Probing Insulator-quantum Hall Transitions by Current Heating. Journal of the Korean Physical Society, 2009, 55, 64-67.	0.3	3
168	Microwave-modulated Shubnikovâ€“de Haas oscillations in a two-dimensional GaN electron gas. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 22, 578-581.	1.3	2
169	Experimental determination of electron and hole sublevels in modulation-doped InAsâˆ•GaAs quantum dots. Applied Physics Letters, 2005, 87, 232110.	1.5	2
170	Electron heating in Al0.15Ga0.85N/GaN heterostructures grown on p-type Si. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 40, 343-346.	1.3	2
171	Huge positive magnetoresistance in a gated AlGaAsâˆ•GaAs high electron mobility transistor structure at high temperatures. Applied Physics Letters, 2008, 92, 132111.	1.5	2
172	Magnetotransport in an aluminum thin film on a GaAs substrate grown by molecular beam epitaxy. Nanoscale Research Letters, 2011, 6, 102.	3.1	2
173	On the coexistence of localization and semiclassical transport in the low-field quantum Hall effect. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 1558-1561.	1.3	2
174	Probing the coexistence of semiclassical transport and localization in a two-dimensional electron gas using microwave radiation. Solid State Communications, 2013, 156, 45-48.	0.9	2
175	Insulating state to quantum Hall-like state transition in a spin-orbit-coupled two-dimensional electron system. Applied Physics Letters, 2014, 105, .	1.5	2
176	Charge Trapping in Monolayer and Multilayer Epitaxial Graphene. Journal of Nanomaterials, 2016, 2016, 1-4.	1.5	2
177	High Current-Induced Electron Redistribution in a CVD-Grown Graphene Wide Constriction. Journal of Nanomaterials, 2016, 2016, 1-7.	1.5	2
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