

Chi-Te Liang

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217
papers

4,335
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61
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238
ext. papers

4,765
ext. citations

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avg, IF

5.09
L-index

#	Paper	IF	Citations
217	Ultrahigh-gain photodetectors based on atomically thin graphene-MoS ₂ heterostructures. <i>Scientific Reports</i> , 2014 , 4, 3826	4.9	678
216	Wafer-scale MoS ₂ thin layers prepared by MoO ₃ sulfurization. <i>Nanoscale</i> , 2012 , 4, 6637-41	7.7	538
215	Nitrogen-doped graphene sheets grown by chemical vapor deposition: synthesis and influence of nitrogen impurities on carrier transport. <i>ACS Nano</i> , 2013 , 7, 6522-32	16.7	229
214	Synthesis of graphene-ZnO-Au nanocomposites for efficient photocatalytic reduction of nitrobenzene. <i>Environmental Science & Technology</i> , 2013 , 47, 6688-95	10.3	179
213	Clean-lifting transfer of large-area residual-free graphene films. <i>Advanced Materials</i> , 2013 , 25, 4521-6	24	139
212	Intermixing-seeded growth for high-performance planar heterojunction perovskite solar cells assisted by precursor-capped nanoparticles. <i>Energy and Environmental Science</i> , 2016 , 9, 1282-1289	35.4	125
211	Plant leaf-derived graphene quantum dots and applications for white LEDs. <i>New Journal of Chemistry</i> , 2014 , 38, 4946-4951	3.6	102
210	Extrinsic Origin of Persistent Photoconductivity in Monolayer MoS ₂ Field Effect Transistors. <i>Scientific Reports</i> , 2015 , 5, 11472	4.9	94
209	Thermoelectric signature of the excitation spectrum of a quantum dot. <i>Physical Review B</i> , 1997 , 55, R10197-R10200	3.9	200
208	Photoluminescent graphene quantum dots for in vivo imaging of apoptotic cells. <i>Nanoscale</i> , 2015 , 7, 2504-10	7.7	83
207	Electroluminescence from ZnO/Si-nanotips light-emitting diodes. <i>Nano Letters</i> , 2009 , 9, 1839-43	11.5	79
206	Electrical-Polarization-Induced Ultrahigh Responsivity Photodetectors Based on Graphene and Graphene Quantum Dots. <i>Advanced Functional Materials</i> , 2016 , 26, 620-628	15.6	74
205	Detection of Coulomb Charging around an Antidot in the Quantum Hall Regime. <i>Physical Review Letters</i> , 1999 , 83, 160-163	7.4	62
204	Mechanism of giant enhancement of light emission from Au/CdSe nanocomposites. <i>Nanotechnology</i> , 2007 , 18, 415707	3.4	58
203	Synthesis of enzyme mimics of iron telluride nanorods for the detection of glucose. <i>Chemical Communications</i> , 2012 , 48, 4079-81	5.8	56
202	Spin-dependent transport in a quasiballistic quantum wire. <i>Physical Review B</i> , 2000 , 61, 9952-9955	3.3	50
201	Low carrier density epitaxial graphene devices on SiC. <i>Small</i> , 2015 , 11, 90-5	11	49

200	Experimental Evidence for Coulomb Charging Effects in an Open Quantum Dot at Zero Magnetic Field. <i>Physical Review Letters</i> , 1998 , 81, 3507-3510	7.4	49
199	Experimental evidence for Efros-Shklovskii variable range hopping in hydrogenated graphene. <i>Solid State Communications</i> , 2012 , 152, 905-908	1.6	40
198	Strong luminescence from strain relaxed InGaN/GaN nanotips for highly efficient light emitters. <i>Optics Express</i> , 2007 , 15, 9357-65	3.3	39
197	Cross-linked PMMA as a low-dimensional dielectric sacrificial layer. <i>Journal of Microelectromechanical Systems</i> , 2003 , 12, 641-648	2.5	38
196	Fabrication and transport properties of clean long one-dimensional quantum wires formed in modulation-doped GaAs/AlGaAs heterostructures. <i>Applied Physics Letters</i> , 1999 , 75, 2975-2977	3.4	36
195	Spin-dependent photocurrent induced by Rashba-type spin splitting in Al _{0.25} Ga _{0.75} N/GaN heterostructures. <i>Physical Review B</i> , 2007 , 75,	3.3	34
194	Zero-field spin splitting in modulation-doped Al _x Ga _{1-x} N/GaN two-dimensional electron systems. <i>Applied Physics Letters</i> , 2005 , 86, 222102	3.4	33
193	Sunlight-activated graphene-heterostructure transparent cathodes: enabling high-performance n-graphene/p-Si Schottky junction photovoltaics. <i>Energy and Environmental Science</i> , 2015 , 8, 2085-2092	35.4	32
192	Magnesium Doping of In-rich InGaN. <i>Japanese Journal of Applied Physics</i> , 2007 , 46, 2840-2843	1.4	29
191	Exchange-enhanced g-factors in an Al _{0.25} Ga _{0.75} N/GaN two-dimensional electron system. <i>Journal of Applied Physics</i> , 2004 , 96, 7370-7373	2.5	29
190	Transport in a gated Al _{0.18} Ga _{0.82} N/GaN electron system. <i>Journal of Applied Physics</i> , 2003 , 94, 3181-3184	4.5	29
189	Insulator-quantum Hall conductor transitions at low magnetic field. <i>Physical Review B</i> , 2001 , 65,	3.3	28
188	Effective mass of two-dimensional electron gas in an Al _{0.2} Ga _{0.8} N/GaN heterojunction. <i>Applied Physics Letters</i> , 2001 , 79, 66-68	3.4	28
187	Growth and characterization of ZnO/ZnTe core/shell nanowire arrays on transparent conducting oxide glass substrates. <i>Nanoscale Research Letters</i> , 2012 , 7, 401	5	26
186	Transport behavior and negative magnetoresistance in chemically reduced graphene oxide nanofilms. <i>Nanotechnology</i> , 2011 , 22, 335701	3.4	25
185	Ultrahigh contrast light valve driven by electrocapillarity of liquid gallium. <i>Applied Physics Letters</i> , 2009 , 95, 251110	3.4	25
184	Resonant transmission through an open quantum dot. <i>Physical Review B</i> , 1997 , 55, 6723-6726	3.3	25
183	Multicolor Ultralow-Threshold Random Laser Assisted by Vertical-Graphene Network. <i>Advanced Optical Materials</i> , 2018 , 6, 1800382	8.1	25

182	From localization to Landau quantization in a two-dimensional GaAs electron system containing self-assembled InAs quantum dots. <i>Physical Review B</i> , 2004 , 69,	3.3	24
181	Transport in disordered monolayer MoS ₂ nanoflakes—evidence for inhomogeneous charge transport. <i>Nanotechnology</i> , 2014 , 25, 375201	3.4	23
180	Room-temperature violet luminescence and ultraviolet photodetection of Sb-doped ZnO/Al-doped ZnO homojunction array. <i>Nanoscale Research Letters</i> , 2013 , 8, 313	5	23
179	Characterization of Single-Crystalline Aluminum Thin Film on (100) GaAs Substrate. <i>Japanese Journal of Applied Physics</i> , 2013 , 52, 045801	1.4	23
178	Fabrication and photoresponse of ZnO nanowires/CuO coaxial heterojunction. <i>Nanoscale Research Letters</i> , 2013 , 8, 387	5	23
177	Electrically detected and microwave-modulated Shubnikov–de Haas oscillations in an Al _{0.4} Ga _{0.6} N/GaN heterostructure. <i>Journal of Applied Physics</i> , 2003 , 93, 2055-2058	2.5	21
176	Ultrasensitive Gas Sensors Based on Vertical Graphene Nanowalls/SiC/Si Heterostructure. <i>ACS Sensors</i> , 2019 , 4, 406-412	9.2	20
175	Spin-dependent transport in a clean one-dimensional channel. <i>Physical Review B</i> , 1999 , 60, 10687-10690	3.3	20
174	High-Performance InSe Transistors with Ohmic Contact Enabled by Nonrectifying Barrier-Type Indium Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 33450-33456	9.5	20
173	Fe ₂ O ₃ /Al ₂ O ₃ microboxes for efficient removal of heavy metal ions. <i>New Journal of Chemistry</i> , 2017 , 41, 7751-7757	3.6	19
172	Epitaxial growth of Bi ₂ Te ₃ topological insulator thin films by temperature-gradient induced physical vapor deposition (PVD). <i>Journal of Alloys and Compounds</i> , 2016 , 686, 989-997	5.7	19
171	Effect of nitrogen contents on the temperature dependence of photoluminescence in InGaAsN/GaAs single quantum wells. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2006 , 24, 1223-1227	2.9	17
170	Robust fractional quantum Hall effect in the N=2 Landau level in bilayer graphene. <i>Nature Communications</i> , 2016 , 7, 13908	17.4	17
169	Coulomb charging effects in an open quantum dot device. <i>Journal of Physics Condensed Matter</i> , 2001 , 13, 9515-9534	1.8	16
168	On the low-field insulator-quantum Hall conductor transitions. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004 , 22, 240-243	3	15
167	Rational design of hetero-dimensional C-ZnO/MoS nanocomposite anchored on 3D mesoporous carbon framework towards synergistically enhanced stability and efficient visible-light-driven photocatalytic activity. <i>Chemosphere</i> , 2021 , 266, 129148	8.4	14
166	Optical characteristics of nonpolar-plane ZnO thin film on (010) LiGaO ₂ substrate. <i>Semiconductor Science and Technology</i> , 2014 , 29, 085004	1.8	13
165	Substrate dependence of large ordinary magnetoresistance in sputtered Bi films. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 1769-1771	2.8	13

164	Multilayered gated lateral quantum dot devices. <i>Applied Physics Letters</i> , 2000 , 76, 1134-1136	3.4	13
163	Spin-orbit-coupled superconductivity. <i>Scientific Reports</i> , 2014 , 4, 5438	4.9	12
162	A study on the epitaxial Bi ₂ Se ₃ thin film grown by vapor phase epitaxy. <i>AIP Advances</i> , 2016 , 6, 065218	1.5	12
161	Huge positive magnetoresistance in an InN film. <i>Applied Physics Letters</i> , 2007 , 90, 172101	3.4	12
160	Insulator-quantum Hall transition in monolayer epitaxial graphene. <i>RSC Advances</i> , 2016 , 6, 71977-71982	3.7	11
159	Chemical-doping-driven crossover from graphene to "ordinary metal" in epitaxial graphene grown on SiC. <i>Nanoscale</i> , 2017 , 9, 11537-11544	7.7	11
158	Efficient reduction of graphene oxide catalyzed by copper. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 3083-8	3.6	11
157	Theory of the quantum Hall effect in finite graphene devices. <i>Physical Review B</i> , 2010 , 81,	3.3	11
156	Measurements of a composite fermion split-gate device. <i>Physical Review B</i> , 1996 , 53, R7596-R7598	3.3	11
155	Atypical Quantized Resistances in Millimeter-Scale Epitaxial Graphene Junctions. <i>Carbon</i> , 2019 , 154, 230-239	12.4	10
154	Mesoscopic conductance fluctuations in multi-layer graphene. <i>Applied Physics Letters</i> , 2013 , 103, 043117	3.4	10
153	Weak localization and universal conductance fluctuations in multi-layer graphene. <i>Current Applied Physics</i> , 2014 , 14, 108-111	2.6	10
152	Tunnelling transmission resonances through a zero-dimensional structure. <i>Semiconductor Science and Technology</i> , 1997 , 12, 875-880	1.8	10
151	Electron-electron interactions in Al _{0.15} Ga _{0.85} N/GaN high electron mobility transistor structures grown on Si substrates. <i>Applied Physics Letters</i> , 2007 , 90, 022107	3.4	10
150	Design Optimization for Maximized Thermoelectric Generator Performance. <i>Journal of Electronic Materials</i> , 2020 , 49, 306-310	1.9	10
149	Unprecedented random lasing in 2D organolead halide single-crystalline perovskite microrods. <i>Nanoscale</i> , 2020 , 12, 18269-18277	7.7	10
148	Linear magnetoresistance in monolayer epitaxial graphene grown on SiC. <i>Materials Letters</i> , 2016 , 174, 118-121	3.3	10
147	Temperature dependence of electron density and electron-electron interactions in monolayer epitaxial graphene grown on SiC. <i>2D Materials</i> , 2017 , 4,	5.9	9

146	Experimental evidence for direct insulator-quantum Hall transition in multi-layer graphene. <i>Nanoscale Research Letters</i> , 2013 , 8, 214	5	9
145	Dirac fermion heating, current scaling, and direct insulator-quantum Hall transition in multilayer epitaxial graphene. <i>Nanoscale Research Letters</i> , 2013 , 8, 360	5	9
144	Evidence for formation of multi-quantum dots in hydrogenated graphene. <i>Nanoscale Research Letters</i> , 2012 , 7, 459	5	9
143	Non-ohmic behavior of carrier transport in highly disordered graphene. <i>Nanotechnology</i> , 2013 , 24, 1652014	5.4	9
142	A delta-doped quantum well system with additional modulation doping. <i>Nanoscale Research Letters</i> , 2011 , 6, 139	5	9
141	From insulator to quantum Hall liquid at low magnetic fields. <i>Physical Review B</i> , 2008 , 78,	3.3	9
140	Huge positive magnetoresistance of GaAs/AlGaAs high electron mobility transistor structures at high temperatures. <i>Applied Physics Letters</i> , 2007 , 90, 252106	3.4	9
139	Superconductivity and mixed-state characteristic of InN films by metal-organic vapor phase epitaxy. <i>Diamond and Related Materials</i> , 2006 , 15, 1179-1183	3.5	9
138	Temperature-dependent optical properties of In _{0.34} Ga _{0.66} As _{1-x} N _x /GaAs single quantum well with high nitrogen content for 1.55 μ m application grown by molecular beam epitaxy. <i>Journal of Crystal Growth</i> , 2006 , 291, 27-33	1.6	9
137	A study on the universality of the magnetic-field-induced phase transitions in the two-dimensional electron system in an AlGaAs/GaAs heterostructure. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004 , 22, 232-235	3	9
136	Weak localization and electron-electron interactions in a two-dimensional grid lateral surface superlattice. <i>Physical Review B</i> , 1994 , 49, 8518-8521	3.3	9
135	One-dimensional ballistic channel with a triple-barrier longitudinal potential: Measurement and model. <i>Physical Review B</i> , 1994 , 49, 14078-14080	3.3	9
134	Atomic-scale epitaxial aluminum film on GaAs substrate. <i>AIP Advances</i> , 2017 , 7, 075213	1.5	8
133	Variable range hopping and nonlinear transport in monolayer epitaxial graphene grown on SiC. <i>Semiconductor Science and Technology</i> , 2016 , 31, 105008	1.8	8
132	The growth and characterization of ZnO/ZnTe core-shell nanowires and the electrical properties of ZnO/ZnTe core-shell nanowire field effect transistor. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 2042-6	1.3	8
131	On the direct insulator-quantum Hall transition in two-dimensional electron systems in the vicinity of nanoscaled scatterers. <i>Nanoscale Research Letters</i> , 2011 , 6, 131	5	8
130	Chiral angle dependence of resonance window widths in (2n+m) families of single-walled carbon nanotubes. <i>Applied Physics Letters</i> , 2010 , 96, 103118	3.4	8
129	Direct deposition of single-walled carbon nanotube thin films via electrostatic spray assisted chemical vapor deposition. <i>Nanotechnology</i> , 2009 , 20, 065601	3.4	8

128	An experimental study on \mathbb{Z}_2 modular symmetry in the quantum Hall system with a small spin splitting. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 026205	1.8	8
127	Demonstration of Rashba spin splitting in an Al _{0.25} Ga _{0.75} N/GaN heterostructure by microwave-modulated Shubnikov-de Haas oscillations. <i>Semiconductor Science and Technology</i> , 2007 , 22, 870-874	1.8	8
126	Gradual decrease of conductance of an adiabatic ballistic constriction below $2e^2/h$. <i>Physical Review B</i> , 2004 , 70,	3.3	8
125	2D CTAB-MoSe Nanosheets and 0D MoSe Quantum Dots: Facile Top-Down Preparations and Their Peroxidase-Like Catalytic Activity for Colorimetric Detection of Hydrogen Peroxide. <i>Nanomaterials</i> , 2020 , 10,	5.4	8
124	Pure electron-electron dephasing in percolative aluminum ultrathin film grown by molecular beam epitaxy. <i>Nanoscale Research Letters</i> , 2015 , 10, 71	5	7
123	Spin polarization in a two-dimensional electron gas in GaAs. <i>Physica Scripta</i> , 2013 , 87, 045703	2.6	7
122	Crossover from Efros-Shklovskii to Mott variable range hopping in monolayer epitaxial graphene grown on SiC. <i>Chinese Journal of Physics</i> , 2017 , 55, 1235-1241	3.5	7
121	Iron telluride nanorods-based system for the detection of total mercury in blood. <i>Journal of Hazardous Materials</i> , 2012 , 243, 286-91	12.8	7
120	Controllable disorder in a hybrid nanoelectronic system: realization of a superconducting diode. <i>Scientific Reports</i> , 2013 , 3, 2274	4.9	7
119	Influence of the incorporation of metals on the optical properties of MCM-41. <i>Journal of Luminescence</i> , 2008 , 128, 553-558	3.8	7
118	Transport properties of two-dimensional electron gases containing linear ordering InAs self-assembled quantum dots. <i>Applied Physics Letters</i> , 2001 , 78, 3896-3898	3.4	7
117	Large transconductance oscillations in a single-well vertical Aharonov-Bohm interferometer. <i>Physical Review B</i> , 2000 , 62, R10630-R10632	3.3	7
116	Green synthesis of SiO ₂ /QD nanocomposites as cost-effective catalysts for oxygen reduction reaction. <i>RSC Advances</i> , 2016 , 6, 108941-108947	3.7	6
115	Intrinsic magnetic properties of plant leaf-derived graphene quantum dots. <i>Materials Letters</i> , 2016 , 170, 110-113	3.3	6
114	Large, non-saturating magnetoresistance in single layer chemical vapor deposition graphene with an h-BN capping layer. <i>Carbon</i> , 2018 , 136, 211-216	10.4	6
113	Electron transport in a GaPSb film. <i>Nanoscale Research Letters</i> , 2012 , 7, 640	5	6
112	Application of Impedance Measurement Technology in Distinguishing Different Tea Samples with Ppy/SWCNT Composite Sensing Material. <i>Journal of the Chinese Chemical Society</i> , 2011 , 58, 714-722	1.5	6
111	Probing temperature-driven flow lines in a gated two-dimensional electron gas with tunable spin-splitting. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 405801	1.8	6

110	Probing two-dimensional metallic-like and localization effects at low magnetic fields. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010 , 42, 1142-1144	3	6
109	Crossover from negative to positive magnetoresistance in a Si delta-doped GaAs single quantum well. <i>Solid State Communications</i> , 2010 , 150, 1104-1107	1.6	6
108	Probing the onset of strong localization and electron-electron interactions with the presence of a direct insulator-quantum Hall transition. <i>Solid State Communications</i> , 2010 , 150, 1902-1905	1.6	6
107	Probing Landau quantization with the presence of insulator-quantum Hall transition in a GaAs two-dimensional electron system. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 295223	1.8	6
106	Transport and quantum lifetime dependence on electron density in gated GaAs/AlGaAs heterostructures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004 , 22, 312-315	3	6
105	Effects of Zeeman spin splitting on the modular symmetry in the quantum Hall effect. <i>Microelectronics Journal</i> , 2005 , 36, 469-471	1.8	6
104	Size effects on phonon localization and Raman enhancement in silicon nanotips. <i>Journal of Raman Spectroscopy</i> , 2013 , 44, 81-85	2.3	5
103	Electron-electron interaction in high-quality epitaxial graphene. <i>New Journal of Physics</i> , 2011 , 13, 113005.2.9	2.9	5
102	Proposed nonmagnetic Stern-Gerlach experiment using electron diffraction. <i>Physical Review Letters</i> , 2010 , 105, 217205	7.4	5
101	Insulator, semiclassical oscillations and quantum Hall liquids at low magnetic fields. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 405601	1.8	5
100	Optical investigation of an AlGaIn/GaN interface with the presence of a two-dimensional electron gas. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010 , 43, 125-129	3	5
99	Electron heating and huge positive magnetoresistance in an AlGaAs/GaAs high electron mobility transistor structure at high temperatures. <i>Applied Physics Letters</i> , 2008 , 92, 152117	3.4	5
98	Al _{0.15} Ga _{0.85} N/GaN high electron mobility transistor structures grown on p-type Si substrates. <i>Applied Physics Letters</i> , 2006 , 89, 132107	3.4	5
97	Growth and characterization of GaN/AlGaIn high-electron mobility transistors grown on p-type Si substrates. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2006 , 32, 566-568	3	5
96	Magnetotransport in variable-coupling one-dimensional ballistic constrictions. <i>Journal of Applied Physics</i> , 2002 , 92, 5304-5309	2.5	5
95	Measurements of a composite fermion split-gate. <i>Surface Science</i> , 1996 , 361-362, 71-74	1.8	5
94	Experimental Evidence for Weak Insulator-Quantum Hall Transitions in GaN/AlGaIn Two-Dimensional Electron Systems. <i>Journal of the Korean Physical Society</i> , 2007 , 50, 1643	0.6	5
93	Electron Heating and Current Scaling in a GaAs Two-Dimensional Electron System. <i>Journal of the Korean Physical Society</i> , 2007 , 50, 1662	0.6	5

92	Observation of quantum Hall plateau-plateau transition and scaling behavior of the zeroth Landau level in graphene p <i>n</i> i junctions. <i>Physical Review B</i> , 2016 , 93,	3.3	4
91	Hot carriers in epitaxial graphene sheets with and without hydrogen intercalation: role of substrate coupling. <i>Nanoscale</i> , 2014 , 6, 10562-8	7.7	4
90	Effect of Buffer Layers on Electrical, Optical and Structural Properties of AlGaIn/GaN Heterostructures Grown on Si. <i>Japanese Journal of Applied Physics</i> , 2006 , 45, 2516-2518	1.4	4
89	Exchange-enhanced Landau-factor, effective disorder and collapse of spin-splitting in a two-dimensional GaAs electron system. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002 , 12, 424-427	3	4
88	Ballistic composite fermions in semiconductor nanostructures. <i>Physical Review B</i> , 1996 , 53, 9602-9605	3.3	4
87	Accessing ratios of quantized resistances in graphene p <i>n</i> i junction devices using multiple terminals. <i>AIP Advances</i> , 2020 , 10, 025112	1.5	3
86	Probing weak localization in chemical vapor deposition graphene wide constriction using scanning gate microscopy. <i>Nanotechnology</i> , 2016 , 27, 075601	3.4	3
85	Localization and electron-electron interactions in few-layer epitaxial graphene. <i>Nanotechnology</i> , 2014 , 25, 245201	3.4	3
84	Tunable insulator-quantum Hall transition in a weakly interacting two-dimensional electron system. <i>Nanoscale Research Letters</i> , 2013 , 8, 307	5	3
83	Non-monotonic magnetoresistivity in two-dimensional electron systems. <i>Journal of the Korean Physical Society</i> , 2014 , 65, 1503-1507	0.6	3
82	Effect of the electromagnetic environment on the dynamics of charge and phase particles in one-dimensional arrays of small Josephson junctions. <i>Europhysics Letters</i> , 2011 , 96, 47004	1.6	3
81	Experimental evidence of a metal-insulator transition in a half-filled Landau level. <i>Solid State Communications</i> , 1997 , 102, 327-330	1.6	3
80	Experimental evidence for screening effects from surface states in GaAs/AlGaAs based nanostructures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004 , 22, 570-573	3	3
79	Insulator-quantum Hall transitions in two-dimensional electron gas containing self-assembled InAs dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003 , 17, 292-293	3	3
78	Quantum magneto-transport in two-dimensional GaAs electron gases and SiGe hole gases. <i>Journal of Physics and Chemistry of Solids</i> , 2001 , 62, 1789-1796	3.9	3
77	Coulomb oscillations of the ballistic conductance in a quasi-one-dimensional quantum dot. <i>JETP Letters</i> , 2001 , 74, 209-212	1.2	3
76	Spin-dependent transport in a dilute two-dimensional GaAs electron gas in a parallel magnetic field. <i>Physical Review B</i> , 2001 , 64,	3.3	3
75	Evidence for charging effects in an open dot at zero magnetic field. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2000 , 6, 418-422	3	3

74	Detection of Coulomb charging around an antidot. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2000 , 6, 495-498	3	3
73	Reflection of edge states in the fractional quantum Hall regime. <i>Solid State Communications</i> , 1995 , 96, 327-331	1.6	3
72	Probing Insulator-quantum Hall Transitions by Current Heating. <i>Journal of the Korean Physical Society</i> , 2009 , 55, 64-67	0.6	3
71	Ferroelectric 2D ice under graphene confinement. <i>Nature Communications</i> , 2021 , 12, 6291	17.4	3
70	Hot Carriers in CVD-Grown Graphene Device with a Top h-BN Layer. <i>Journal of Nanomaterials</i> , 2018 , 2018, 1-7	3.2	3
69	Edge-state-mediated collective charging effects in a gate-controlled quantum dot array. <i>Physical Review B</i> , 2017 , 95,	3.3	2
68	Conductance interference effects in an electron-beam-resist-free chemical vapor deposition graphene device sandwiched between two h-BN sheets. <i>Carbon</i> , 2019 , 154, 238-243	10.4	2
67	Direct measurement of the spin gaps in a gated GaAs two-dimensional electron gas. <i>Nanoscale Research Letters</i> , 2013 , 8, 138	5	2
66	Probing the coexistence of semiclassical transport and localization in a two-dimensional electron gas using microwave radiation. <i>Solid State Communications</i> , 2013 , 156, 45-48	1.6	2
65	Insulating state to quantum Hall-like state transition in a spin-orbit-coupled two-dimensional electron system. <i>Applied Physics Letters</i> , 2014 , 105, 012106	3.4	2
64	On the coexistence of localization and semiclassical transport in the low-field quantum Hall effect. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012 , 44, 1558-1561	3	2
63	Ballistic Transport in 1D GaAs/AlGaAs Heterostructures 2011 , 279-325		2
62	Electron heating in Al _{0.15} Ga _{0.85} N/GaN heterostructures grown on p-type Si. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2007 , 40, 343-346	3	2
61	Experimental evidence for Drude-Boltzmann-like transport in a two-dimensional electron gas in an AlGa _N /Ga _N heterostructure. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006 , 3, 1713-1716		2
60	Microwave-modulated Shubnikov-de Haas oscillations in a two-dimensional GaN electron gas. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004 , 22, 578-581	3	2
59	Spin-dependent transport in a dilute two-dimensional GaAs electron gas in an in-plane magnetic field. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003 , 18, 141-142	3	2
58	Experimental determination of electron and hole sublevels in modulation-doped InAs/GaAs quantum dots. <i>Applied Physics Letters</i> , 2005 , 87, 232110	3.4	2
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