Shingo Katsumoto

List of Publications by Year
in descending order

263	7,085	126901	58576
papers	citations	33 h-index	82 g-index

265	265	265	4563
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	(Ga,Mn)As: A new diluted magnetic semiconductor based on GaAs. Applied Physics Letters, 1996, 69, 363-365.	3.3	2,213
2	Ferromagnetic Order Induced by Photogenerated Carriers in Magnetic III-V Semiconductor Heterostructures of (In,Mn)As/GaSb. Physical Review Letters, 1997, 78, 4617-4620.	7.8	600
3	Tuning of the Fano Effect through a Quantum Dot in an Aharonov-Bohm Interferometer. Physical Review Letters, 2002, 88, 256806.	7.8	520
4	Effect of low-temperature annealing on transport and magnetism of diluted magnetic semiconductor (Ga,â€ŠMn)As. Applied Physics Letters, 2001, 78, 1691-1693.	3.3	254
5	Fano resonance in a quantum wire with a side-coupled quantum dot. Physical Review B, 2004, 70, .	3.2	246
6	Epitaxy of (Ga, Mn)As, a new diluted magnetic semiconductor based on GaAs. Journal of Crystal Growth, 1997, 175-176, 1069-1074.	1.5	183
7	Mesoscopic Fano effect in a quantum dot embedded in an Aharonov-Bohm ring. Physical Review B, 2003, 68, .	3.2	155
8	Nonmetal-metal-nonmetal transition and large negative magnetoresistance in (Ga, Mn)As/GaAs. Solid State Communications, 1997, 103, 209-213.	1.9	150
9	Observation of the Fano-Kondo Antiresonance in a Quantum Wire with a Side-Coupled Quantum Dot. Physical Review Letters, 2005, 95, 066801.	7.8	135
10	Evidence for localization effects in compensated semiconductors. Physical Review B, 1982, 25, 4288-4290.	3.2	106
11	Temperature-dependent conductivity of metallic doped semiconductors. Physical Review B, 1982, 26, 2113-2119.	3.2	105
12	Gate-Tunable Atomically Thin Lateral MoS₂ Schottky Junction Patterned by Electron Beam. Nano Letters, 2016, 16, 3788-3794.	9.1	99
13	Magnetoresistance Oscillation in Two-Dimensional Electron Gas under Spatially Modulated Vector Potential. Journal of the Physical Society of Japan, 1995, 64, 706-710.	1.6	92
14	Magnetic and transport properties of the ferromagnetic semiconductor heterostructures (In,Mn)As/(Ga,Al)Sb. Physical Review B, 1999, 59, 5826-5831.	3.2	80
15	Fine Tuning of Metal-Insulator Transition in Al0.3Ga0.7As Using Persistent Photoconductivity. Journal of the Physical Society of Japan, 1987, 56, 2259-2262.	1.6	77
16	Light-induced ferromagnetism in III-V-based diluted magnetic semiconductor heterostructures. Journal of Applied Physics, 1997, 81, 4862-4864.	2.5	76
17	Metalâ€“insulator transition and magnetotransport in IIIâ€“V compound diluted magnetic semiconductors. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1999, 63, 88-95.	3.5	64
18	Double-exchange-like interaction inGa1â^'xMnxAsinvestigated by infrared absorption spectroscopy. Physical Review B, 2002, 65, .	3.2	58

#	Article	IF	Citations
19	Observation of the spin-charge thermal isolation of ferromagneticGa0.94Mn0.06Asby time-resolved magneto-optical measurements. Physical Review B, 2003, 68, .	3.2	58
20	Interlayer exchange in (Ga,Mn)As/(Al,Ga)As/(Ga,Mn)As semiconducting ferromagnet/nonmagnet/ferromagnet trilayer structures. Applied Physics Letters, 1998, 73, 2122-2124.	3.3	53
21	Two-dimensional electron gas under a spatially modulated magnetic field: A test ground for electron-electron scattering in a controlled environment. Physical Review B, 1998, 58, 4876-4881.	3.2	53
22	Adiabatic measurements of magneto-caloric effects in pulsed high magnetic fields up to 55 T. Review of Scientific Instruments, 2013, 84, 074901.	1.3	50
23	Observation of â€œPartial Coherenceâ€•in an Aharonov-Bohm Interferometer with a Quantum Dot. Physical Review Letters, 2004, 92, 176802.	7.8	49
24	Filtering and analyzing mobile qubit information via Rashbaâ€“Dresselhausâ€“Aharonovâ€“Bohm interferometers. Physical Review B, 2011, 84, .	3.2	49
25	Manganese concentration and low-temperature annealing dependence ofGa1â^'xMnxAsby x-ray absorption spectroscopy. Physical Review B, 2002, 65, .	3.2	45
26	Spin filtering by a periodic spintronic device. Physical Review B, 2008, 78, .	3.2	43
27	Magnetism and metal-insulator transition in III-V based diluted magnetic semiconductors. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2001, 84, 88-95.	3.5	41
28	Probe-Configuration-Dependent Decoherence in an Aharonovâ€“Bohm Ring. Journal of the Physical Society of Japan, 2002, 71, 2094-2097.	1.6	41
29	Envelope of commensurability magnetoresistance oscillation in unidirectional lateral superlattices. Physical Review B, 2000, 62, 16761-16767.	3.2	39
30	Strain-induced spontaneous Hall effect in an epitaxial thin film of a Luttinger semimetal. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8803-8808.	7.1	37
31	Evidence for a quantum spin Hall phase in graphene decorated with Bi ₂ Te ₃ nanoparticles. Science Advances, 2018, 4, eaau6915.	10.3	36
32	Electron propagation through a fibonacci lattice. Solid State Communications, 1993, 85, 223-226.	1.9	34
33	Breakdown of phase rigidity and variations of the Fano effect in closed Aharonov-Bohm interferometers. Physical Review B, 2006, 73, .	3.2	34
34	Transport in a two-dimensional electron-gas narrow channel with a magnetic-field gradient. Physical Review B, 2004, 69, .	3.2	33
35	Strongly Anisotropic Hopping Conduction in (Ga, Mn)As/GaAs. Physica Status Solidi (B): Basic Research, 1998, 205, 115-118.	1.5	32
36	Low-Temperature Specific Heat of Organic Superconductor Îº-(BEDT-TTF)2Cu(NCS)2. Journal of the Physical Society of Japan, 1988, 57, 3672-3673.	1.6	29

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37	Hofstadter butterflies in a modulated magnetic field:â€ƒSuperconducting wire network with magnetic decoration. Physical Review B, 2004, 70, .	3.2	28
38	Aharonovâ€“Bohm-type Effects in Triangular Antidot Lattice. Journal of the Physical Society of Japan, 2004, 73, 3370-3377.	1.6	27
39	Large edge magnetism in oxidized few-layer black phosphorus nanomeshes. Nano Research, 2017, 10, 718-728.	10.4	27
40	Quantum Interference in Radial Heterostructure Nanowires. Nano Letters, 2008, 8, 3189-3193.	9.1	26
41	Growth and properties of (Ga, Mn) As: A new IIIâ€“V diluted magnetic semiconductor. Applied Surface Science, 1997, 113-114, 178-182.	6.1	24
42	Laser-Beam-Patterned Topological Insulating States on Thin Semiconducting <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>MoS</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow> Physical Review Letters, 2019, 123, 146803.	7.8	23
43	Charge-Soliton Transport Properties in Two-Dimensional Array of Small Josephson Junctions. Journal of the Physical Society of Japan, 1994, 63, 4306-4309.	1.6	22
44	Low-temperature conduction and giant negative magnetoresistance in IIIâ€“V-based diluted magnetic semiconductor:(Ga,Mn)As/GaAs. Physica B: Condensed Matter, 1998, 249-251, 775-779.	2.7	22
45	Ultrahigh-field hole cyclotron resonance absorption inIn1â^'xMnxAsfilms. Physical Review B, 2004, 70, .	3.2	22
46	Quantum Size Effect of Cu Small Particles in Magnetic Field. Journal of the Physical Society of Japan, 1987, 56, 2256-2258.	1.6	21
47	Terahertz radiation emission from GaMnAs. Applied Physics Letters, 2006, 88, 221110.	3.3	20
48	Epitaxy and properties of diluted magnetic IIIâ€“V semiconductor heterostructures. Applied Surface Science, 1997, 113-114, 183-188.	6.1	19
49	Electron-Electron Umklapp Process in Two-Dimensional Electron Gas under a Spatially Alternating Magnetic Field. Journal of the Physical Society of Japan, 1999, 68, 1492-1495.	1.6	19
50	Interference Effect in Multilevel Transport through a Quantum Dot. Journal of the Physical Society of Japan, 2004, 73, 3235-3238.	1.6	19
51	Coherence and spin effects in quantum dots. Journal of Physics Condensed Matter, 2007, 19, 233201.	1.8	19
52	Low-Temperature Static Magnetic Susceptibility of Al0.3Ga0.7As with DX Centers. Japanese Journal of Applied Physics, 1990, 29, L1572-L1574.	1.5	18
53	Single-electron tunneling and phase transitions in granular films. Journal of Low Temperature Physics, 1995, 98, 287-349.	1.4	18
54	Magnetotransport ofÎ½=3/2composite fermions under periodic effective magnetic-field modulation. Physical Review B, 2001, 63, .	3.2	18

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55	Electrical coherent control of nuclear spins in a breakdown regime of quantum Hall effect. Applied Physics Letters, 2007, 91, .	3.3	17
56	Heat-pulse measurements of specific heat in 36 ms pulsed magnetic fields. Measurement Science and Technology, 2013, 24, 115005.	2.6	16
57	Giant Negative Magnetoresistance of (Ga,Mn)As/GaAs in the Vicinity of a Metal-Insulator Transition. Physica Status Solidi (B): Basic Research, 1998, 205, 167-171.	1.5	15
58	Anisotropy and Barkhausen jumps in diluted magnetic semiconductor (Ga,Mn)As. Physica B: Condensed Matter, 2000, 284-288, 1175-1176.	2.7	15
59	Detection of spin polarization with a side-coupled quantum dot. Physical Review B, 2009, 79, .	3.2	15
60	Robustness of spin filtering against current leakage in a Rashba-Dresselhaus-Aharonov-Bohm interferometer. Physical Review B, 2013, 87, .	3.2	15
61	In0.14Ga0.86As Solar Cells Grown by Molecular-Beam Epitaxy. Japanese Journal of Applied Physics, 1985, 24, 636-637.	1.5	14
62	Dispersive lineshape of the resistively-detected NMR in the vicinity of Landau level filling Î½ = 1. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 4380-4383.	0.8	14
63	Aharonov-Bohm-type oscillations in antidot lattices in the quantum Hall regime. Physical Review B, 2008, 77, .	3.2	14
64	Edge-spin-derived magnetism in few-layer MoS2 nanomeshes. AIP Advances, 2017, 7, 125019.	1.3	14
65	Transport in two-dimensional electron gas in inhomogeneous magnetic field. Physica B: Condensed Matter, 2000, 284-288, 1900-1901.	2.7	13
66	Magnetotransport in ultrashort period unidirectional lateral superlattices. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 12, 200-203.	2.7	13
67	Fano Effect in a Few-Electron Quantum Dot. Journal of the Physical Society of Japan, 2007, 76, 084706.	1.6	13
68	Spinâ€“orbit interaction in Pt or Bi2Te3 nanoparticle-decorated graphene realized by a nanoneedle method. Applied Physics Letters, 2018, 113, .	3.3	13
69	Magnetoresistance oscillation in a two-dimensional electron gas under periodic modulation of electric and magnetic fields. Surface Science, 1996, 361-362, 333-336.	1.9	12
70	Strain-induced enhancement of electric quadrupole splitting in resistively detected nuclear magnetic resonance spectrum in quantum Hall systems. Applied Physics Letters, 2010, 96, .	3.3	12
71	A Possible Charge Kosterlitz-Thouless-Berezinskii Transition in Granular Films. Journal of the Physical Society of Japan, 1993, 62, 2229-2232.	1.6	11
72	Tunable Fano-Kondo effect in a quantum dot with an Aharonov-Bohmring. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 4208-4213.	0.8	11

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73	Evidence for Spin-Triplet Electron Pairing in the Proximity-Induced Superconducting State of an Fe-Doped InAs Semiconductor. Physical Review Letters, 2019, 122, 107001.	7.8	11
74	Global Coherence and Grain Size in Superconducting Granular Films. Journal of the Physical Society of Japan, 1992, 61, 2656-2659.	1.6	10
75	Dynamic nuclear polarization induced by breakdown of fractional quantum Hall effect. Physical Review B, 2009, 79, .	3.2	10
76	Measurement of diffusion thermopower in the quantum Hall systems. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 1030-1033.	2.7	10
77	Evidence of Spin-Filtering in Quantum Constrictions with Spinâ€“Orbit Interaction. Journal of the Physical Society of Japan, 2012, 81, 054706.	1.6	10
78	Anisotropic magnetoconductance in metallic doped Ge:Sb. Solid-State Electronics, 1985, 28, 101-107.	1.4	9
79	Angular dependent magnetoresistance oscillation in GaAs/AlGaAs superlattice. Physica B: Condensed Matter, 1998, 249-251, 882-886.	2.7	9
80	Quantum Hall effect in semiconductor superlattice in a tilted magnetic field. Physica B: Condensed Matter, 2001, 298, 48-51.	2.7	9
81	Quantum oscillation and decoherence in triangular antidot lattice. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 22, 365-368.	2.7	9
82	Excited-state spectroscopy on a quantum dot side coupled to a quantum wire. Applied Physics Letters, 2008, 93, 112111.	3.3	9
83	Optoelectronic properties of laser-beam-patterned few-layer lateral MoS2 Schottky junctions. Applied Physics Letters, 2020, 117, .	3.3	9
84	Magnetotransport in modulated and magnetic fields. Physica B: Condensed Matter, 1996, 227, 122-126.	2.7	8
85	Quantum coherence in quantum dotâ€”Aharonovâ€“Bohm ring hybrid systems. Superlattices and Microstructures, 2003, 34, 151-157.	3.1	8
86	Experimental investigation of polaron effects inGa1â^'xMnxAsby time-resolved and continuous-wave midinfrared spectroscopy. Physical Review B, 2007, 76, .	3.2	8
87	Temperature-Dependent Screening of the Edge State around Antidots in the Quantum Hall Regime. Physical Review Letters, 2009, 102, 086802.	7.8	8
88	Probing local electronic states in the quantum Hall regime with a side-coupled quantum dot. Physical Review B, 2010, 81, .	3.2	8
89	Geometric resonances in the magnetoresistance of hexagonal lateral superlattices. Physical Review B, 2012, 86, .	3.2	8
90	Transverse Resistance in Two-Dimensional Electron Gas in Oblique Lateral Superlattice. Journal of the Physical Society of Japan, 1999, 68, 2870-2871.	1.6	7

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91	Hofstadter Butterfly in Checkerboard Field. Journal of the Physical Society of Japan, 1999, 68, 3462-3463.	1.6	7
92	Direct observation of a neutralMnacceptor inGa1â^'xMnxAsby resonant x-ray emission spectroscopy. Physical Review B, 2005, 71, .	3.2	7
93	Detection of spin polarization utilizing singlet and triplet states in a single-lead quantum dot. Physical Review B, 2012, 86, .	3.2	7
94	Dielectric Constant Measurement near the Metal-Insulator Transition in Al0.3Ga0.7As. Journal of the Physical Society of Japan, 1989, 58, 791-794.	1.6	6
95	Spin-Orbit Interaction in Small Metallic Particles. Journal of the Physical Society of Japan, 1992, 61, 1856-1858.	1.6	6
96	Magnetoresistance Oscillation in Two-Dimensional Electron Gas under Spatially Modulated Magnetic Field. Japanese Journal of Applied Physics, 1995, 34, 4306-4308.	1.5	6
97	Aharonov-Bohm Oscillation and Coulomb Oscillation in Parallel Quantum Dots. Journal of the Physical Society of Japan, 1996, 65, 4086-4087.	1.6	6
98	Superconducting Network in Spatially Modulated Magnetic Field â€“ Hofstadter-Type Problem in Checkerboard Field. Journal of the Physical Society of Japan, 1999, 68, 3158-3161.	1.6	6
99	Effect of localized spins in coherent transport through quantum dots. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 34, 36-41.	2.7	6
100	Dynamic Nuclear Polarization in a Quantum Hall Corbino Disk. Journal of the Physical Society of Japan, 2008, 77, 023710.	1.6	6
101	Spin phase protection in interference of electron spin waves in lightly hydrogenated graphene. RSC Advances, 2016, 6, 67586-67591.	3.6	6
102	Photoresponse in gate-tunable atomically thin lateral MoS2 Schottky junction patterned by electron beam. Applied Physics Letters, 2017, 110, .	3.3	6
103	Room-temperature quantum spin Hall phase in laser-patterned few-layer 1Tâ€²- MoS2. Communications Materials, 2020, 1, .	6.9	6
104	63Cu Spin-Lattice Relaxation in Cuâ€“Mn and Cuâ€“Au Fine Metallic Particles. Journal of the Physical Society of Japan, 1993, 62, 1439-1441.	1.6	6
105	Charging Effect and Phase Coherence through Parallel Quantum Dots. Japanese Journal of Applied Physics, 1997, 36, 3978-3980.	1.5	5
106	Conduction through point contacts in fractional quantum Hall liquid. Physica B: Condensed Matter, 1998, 249-251, 426-429.	2.7	5
107	Transport in Two-Dimensional Electron Gas with Isolated Magnetic Barriers. Journal of the Physical Society of Japan, 2002, 71, 543-549.	1.6	5
108	Effect of low-temperature annealing on the crystallinity of IIIâ€“V-based diluted magnetic semiconductors. Journal of Crystal Growth, 2002, 237-239, 1334-1338.	1.5	5

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109	Tunable Fano system: a quantum dot embedded in an Aharonovâ€“Bohm ring. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 18, 56-59.	2.7	5
110	Construction of an N-Body Cuâ€“Ta Potential and Study of Interfacial Behavior between Immiscible Cu and Ta through Molecular Dynamics Simulation. Journal of the Physical Society of Japan, 2003, 72, 5-8.	1.6	5
111	Intersubband electronic Raman scattering in narrow GaAs single quantum wells dominated by single-particle excitations. Physical Review B, 2004, 70, .	3.2	5
112	Aharonovâ€“Bohm-type effects in different arrays of antidots. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 34, 534-537.	2.7	5
113	Spin filtering due to quantum interference in periodic mesoscopic networks. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 629-633.	2.7	5
114	The Metal-Insulator Transition in a Persistent Photoconductor. Springer Proceedings in Physics, 1988, , 45-52.	0.2	5
115	Spin Scattering in Small Metallic Particles. Journal of the Physical Society of Japan, 1992, 61, 762-764.	1.6	5
116	Single-Electron Tunneling in One-Dimensional Arrays of Small Tunnel Junctions. Journal of the Physical Society of Japan, 1992, 61, 1871-1874.	1.6	4
117	Vortex state in microfabricated superconducting disk probed by tunneling spectroscopy. Physica B: Condensed Matter, 2000, 284-288, 817-818.	2.7	4
118	Quantum interference and decoherence in hexagonal antidot lattices. Superlattices and Microstructures, 2003, 34, 165-171.	3.1	4
119	Dynamic nuclear polarization and Knight shift measurements in a breakdown regime of integer quantum Hall effect. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1389-1391.	2.7	4
120	Resistance Fluctuations and Aharonovâ€“Bohm-Type Oscillations in Antidot Arrays in the Quantum Hall Regime. Journal of the Physical Society of Japan, 2008, 77, 093715.	1.6	4
121	Conductance fluctuations in InAs quantum wells possibly driven by Zitterbewegung. Scientific Reports, 2017, 7, 7909.	3.3	4
122	Proximity-Induced Superconductivity in a Ferromagnetic Semiconductor (In,Fe)As. Journal of Physics: Conference Series, 2018, 969, 012036.	0.4	4
123	Spatial distribution of thermoelectric voltages in a Hall-bar shaped two-dimensional electron system under a magnetic field. Journal of Physics Communications, 2019, 3, 055005.	1.2	4
124	Gate-controlled unitary operation on flying spin qubits in quantum Hall edge states. Physical Review B, 2020, 102, .	3.2	4
125	Interference through Parallel Quantum Point Contacts. Journal of the Physical Society of Japan, 1992, 61, 1153-1156.	1.6	4
126	Strong Non-Ohmicity in Vertical Transport in Multilayered Quantum Hall Systems. Journal of the Physical Society of Japan, 1999, 68, 2186-2189.	1.6	4

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127	Single-Electron Tunneling in Coupled Quantum Dots. Japanese Journal of Applied Physics, 1992, 31, L759-L761.	1.5	3
128	A unified model for radiation-resistance of advanced space solar cells. , 0, , .		3
129	Microstructured thin films and multilayers of superconductor and ferromagnetic metal. Solid-State Electronics, 1998, 42, 1481-1488.	1.4	3
130	Coulomb blockade in arrays of quantum dots. Physica B: Condensed Matter, 1998, 249-251, 252-256.	2.7	3
131	Magnetic Flux Configuration in Mesoscopic Superconductor Probed by Scanning Tunneling Spectroscopy. Journal of the Physical Society of Japan, 1999, 68, 2872-2873.	1.6	3
132	Staircase-like hysteresis loop in IIIâ€“V compound diluted magnetic semiconductor (In,Mn)As at low temperatures. Physica B: Condensed Matter, 2000, 284-288, 1173-1174.	2.7	3
133	Two-dimensional electrons in spatially inhomogeneous magnetic field. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2001, 84, 37-43.	3.5	3
134	Control of material parameters and metalâ€“insulator transition in (Ga,Mn)As. Physica E: Low-Dimensional Systems and Nanostructures, 2001, 10, 130-134.	2.7	3
135	Collective and single-particle intersubband excitations in narrow quantum wells selected by infrared absorption and resonant Raman scattering. Physical Review B, 2006, 74, .	3.2	3
136	Superconducting Transitions in Wire Network under Spatially Modulated Magnetic Field. Journal of the Physical Society of Japan, 2007, 76, 094707.	1.6	3
137	Spatial gradient of dynamic nuclear spin polarization induced by breakdown of the quantum Hall effect. Physical Review B, 2011, 83, .	3.2	3
138	Spin polarization in the vicinity of quantum point contact with spin-orbit interaction. Physical Review B, 2016, 94, .	3.2	3
139	Two-carrier model on the magnetotransport of epitaxial graphene containing coexisting single-layer and bilayer areas. Philosophical Magazine, 2017, 97, 1755-1767.	1.6	3
140	Observation of Conductance Fluctuation due to Zitterbewegung in InAs 2-dimentional Electron Gas. Journal of Physics: Conference Series, 2017, 864, 012054.	0.4	3
141	Frequencies of the Edge-Magnetoplasmon Excitations in Gated Quantum Hall Edges. Journal of the Physical Society of Japan, 2018, 87, 064709.	1.6	3
142	Commensurability oscillations in the Hall resistance of unidirectional lateral superlattices. Physical Review B, 2021, 103, .	3.2	3
143	Toward Small Consumption of Helium with Recycling Activities at the Institute for Solid State Physics, The University of Tokyo. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society) Tj ETQq1 1 0.784314 rgBT /O		
144	Observation of Spinâ€“Orbit Berry's Phase in Magnetoresistance of a Two-Dimensional Hole Anti-dot System. Journal of the Physical Society of Japan, 2007, 76, 083704.	1.6	3

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145	Spin-Resolved Edge States around an Antidot in the Vicinity of the Î½= 2 Quantum Hall State. Journal of the Physical Society of Japan, 2009, 78, 124704.	1.6	3
146	Magnetotransport Properties of (Ga, Mn)As/GaAs/(Ga, Mn)As Trilayer Structures. Journal of the Magnetics Society of Japan, 1999, 23, 99-101.	0.4	3
147	Quantum Size Effect in Magnetic Field in Cu Small Particles. Japanese Journal of Applied Physics, 1987, 26, 897.	1.5	2
148	Effects of substrate temperature on GaAs tunneling diodes grown by molecular beam epitaxy. Journal of Applied Physics, 1988, 63, 1238-1240.	2.5	2
149	Hall coefficient of a persistent photoconductor near the metal-insulator transition. Solid State Communications, 1989, 71, 441-444.	1.9	2
150	Anomalous Current-Voltage Characteristics in a Network of Small Josephson Junctions. Journal of the Physical Society of Japan, 1989, 58, 797-800.	1.6	2
151	Application of In-Beam Perturbed Angular Distribution to the Study of High-TcOxides. Japanese Journal of Applied Physics, 1990, 29, L594-L595.	1.5	2
152	Charge Kosterlitz-Thouless-Berezinskii transition in Sn granular films. Physica B: Condensed Matter, 1994, 194-196, 1123-1124.	2.7	2
153	Tunable Parity Effect in Coupled Superconducting Single-Electron Transistors. Journal of the Physical Society of Japan, 1996, 65, 3704-3707.	1.6	2
154	Detection of fractional edge channel by quantum point contacts. Solid-State Electronics, 1998, 42, 1179-1182.	1.4	2
155	Fluxoid states in mesoscopic superconductors. Physica B: Condensed Matter, 1998, 249-251, 453-457.	2.7	2
156	Magnetotransport properties of all semiconductor (Ga,Mn)As/(Al,Ga)As/(Ga,Mn)As tri-layer structures. Physica B: Condensed Matter, 1998, 256-258, 573-576.	2.7	2
157	Duality between Single-Electron Phenomena and Flux Quantization in Mesoscopic Superconductors. Japanese Journal of Applied Physics, 1999, 38, 350-353.	1.5	2
158	Non-ohmic vertical transport in multilayered quantum hall systems. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 6, 698-701.	2.7	2
159	Magnetotransport in 2DEG with magnetic barriers. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 12, 224-228.	2.7	2
160	Reduction of quantum decoherence in non-local resistance measurement. Microelectronic Engineering, 2002, 63, 53-56.	2.4	2
161	Suppression of Quantum Decoherence in an Aharonovâ€“Bohm Ring. Journal of the Physical Society of Japan, 2003, 72, 5-6.	1.6	2
162	Transport in ferromagnet/semiconductor 2DEG hybrid network structure. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 22, 345-348.	2.7	2

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163	Mesoscopic Fano effect through a quantum dot in an Aharonovâ€“Bohm ring. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 22, 468-473.	2.7	2
164	Ultrafast magneto-optical spectroscopy of GaMnAs (Invited Paper). , 2005, , .		2
165	Temperature scaling of quantum Hall plateau transition in bilayer systems. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 34, 112-115.	2.7	2
166	Anisotropic Transport of Two-Dimensional Hole System in Higher Landau Levels: Effect of In-Plane Magnetic Field. Journal of the Physical Society of Japan, 2007, 76, 074712.	1.6	2
167	Evolution of h/2e Aharonovâ€“Bohm oscillation with the Zeeman energy around an antidot. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1517-1519.	2.7	2
168	Coherent manipulation of nuclear spins in the breakdown regime of integer quantum Hall states. Journal of Physics: Conference Series, 2009, 150, 022034.	0.4	2
169	Control of magnetic anisotropy in (Ga,Mn)As with etching depth of specimen boundaries. Journal of Crystal Growth, 2013, 378, 381-384.	1.5	2
170	Giant Negative Magnetoresistance of (Ga,Mn)As/GaAs in the Vicinity of a Metalâ€“Insulator Transition. Physica Status Solidi (B): Basic Research, 1998, 205, 167-171.	1.5	2
171	Homemade-HEMT-based transimpedance amplifier for high-resolution shot-noise measurements. Review of Scientific Instruments, 2021, 92, 124712.	1.3	2
172	One-Dimensional Conduction in NiAl Wires. Journal of the Physical Society of Japan, 1993, 62, 424-426.	1.6	1
173	Charge Kosterlitz-Thouless transition in granular films. Physica B: Condensed Matter, 1994, 194-196, 1125-1126.	2.7	1
174	Non-invasive measurements of mesoscopic superconductors by superconducting single electron transistors. Solid-State Electronics, 1998, 42, 1463-1466.	1.4	1
175	Strain-induced potential modulation versus magnetic field modulation on two-dimensional electron gas at the GaAs/AlGaAs heterointerface. Physica B: Condensed Matter, 1998, 249-251, 753-757.	2.7	1
176	Spin diffusion length and giant magnetoresistance in spin-valve tri-layers. Physica B: Condensed Matter, 2000, 284-288, 1247-1248.	2.7	1
177	Electronâ€“electron scattering in two-dimensional electron gas under a controllable spatially modulated magnetic field. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 6, 735-737.	2.7	1
178	Detection of Edge-Conducting Channels in Quantum Hall Systems Using a Single-Electron Transistor. Japanese Journal of Applied Physics, 2001, 40, 2073-2076.	1.5	1
179	Suppression of exchange enhancement of spin gap in quantum Hall systems by ultra-short period lateral superlattice. Journal of Physics and Chemistry of Solids, 2002, 63, 1297-1300.	4.0	1
180	Observation of an enhanced Aharonovâ€“Bohm effect. Journal of Physics and Chemistry of Solids, 2002, 63, 1301-1305.	4.0	1

#	Article	IF	Citations
181	Universal Conductance Fluctuations in a Narrow Channel of Two-dimensional Electron Gas under Gradient Magnetic Field with Zero Mean. Journal of the Physical Society of Japan, 2004, 73, 2928-2931.	1.6	1
182	Magnetoresistance anomalies at level crossing in double layer quantum Hall systems. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 22, 64-67.	2.7	1
183	Anomalous Aharonov-Bohm-Type Effects in Square Array of Antidots. AIP Conference Proceedings, 2007, , .	0.4	1
184	Superconducting transition in wire network under spatially modulated magnetic field. Physica C: Superconductivity and Its Applications, 2008, 468, 824-827.	1.2	1
185	Observation of spinâ€“orbit Berry phase in magnetoresistance of a two-dimensional hole antidot system. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1051-1054.	2.7	1
186	Detection of spin polarization in a quantum wire. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 809-812.	2.7	1
187	Novel microwave resonance around integer Landau level fillings in unidirectional lateral superlattices. , 2011, , .		1
188	Novel blockade due to spin-filtering with spin-orbit interaction. Journal of Physics: Conference Series, 2012, 400, 042032.	0.4	1
189	Heat Pulse Measurements of Specific Heat under High Magnetic Fields at Low Temperatures. , 2014, , .		1
190	Introduction of Spinâ€“Orbit Interaction into Graphene with Hydrogenation. Journal of the Physical Society of Japan, 2016, 85, 105002.	1.6	1
191	Edge-derived magnetisms in very thin non-doped Bi2Te3 nanomesh. Applied Physics Letters, 2019, 115, 093101.	3.3	1
192	Strongly Anisotropic Hopping Conduction in (Ga, Mn)As/GaAs. , 1998, 205, 115.		1
193	Magnetic interaction at oxygen sites of YBa2Cu3O6.25 studied by TDPAD with 19F isomer. Physica B: Condensed Matter, 1991, 169, 625-626.	2.7	0
194	Magnetic Susceptibility of AlGaAs:Te with Al Content 0.4. Journal of the Physical Society of Japan, 1992, 61, 4253-4254.	1.6	0
195	Effect of charge fluctuation on the coulomb oscillation in quantum dots. European Physical Journal D, 1996, 46, 2285-2286.	0.4	0
196	Magnetoresistance in a Superconducting Single-Electron Transistor with a Multiply Connected Coulomb Island. Japanese Journal of Applied Physics, 1997, 36, 4022-4024.	1.5	0
197	Control of magnetic field modulationon two-dimensional electron gas at theGaAs/AlGaAs heterointerface by parallel magnetic field. Solid-State Electronics, 1998, 42, 1121-1124.	1.4	0
198	Photocarrier induced ferromagnetic order in IIIâ€“V-based magnetic semiconductor heterostructures of (In,Mn)As/GaSb. Physica E: Low-Dimensional Systems and Nanostructures, 1998, 2, 417-420.	2.7	0

#	Article	IF	Citations
199	Effects of Skyrmion excitations on the temperature dependence of diagonal resistivity at Î½=1 quantum Hall regime. Physica B: Condensed Matter, 1998, 246-247, 12-15.	2.7	0
200	Possible explanation of the high temperature extrapolated value of diagonal resistivity at Î½=1 in terms of skyrmions. Physica B: Condensed Matter, 1998, 249-251, 391-394.	2.7	0
201	Nonlinear transport properties of samples with inner current contacts in quantum Hall regime. Physica B: Condensed Matter, 1998, 256-258, 78-81.	2.7	0
202	Non-ohmic out-of-plane conductance in a multilayered quantum Hall system. Physica B: Condensed Matter, 2000, 280, 380-381.	2.7	0
203	Electronâ€“electron umklapp scattering in two-dimensional electron gas under lateral magnetic periodicity. Physica B: Condensed Matter, 2000, 284-288, 1902-1903.	2.7	0
204	Quantum Charge Fluctuations in Quantum Dots. Journal of the Physical Society of Japan, 2000, 69, 828-835.	1.6	0
205	Metalâ€“insulator transition in (Ga, Mn)As. Journal of Physics and Chemistry of Solids, 2002, 63, 1315-1318.	4.0	0
206	SUPPRESSION OF BACKSCATTERING IN QUANTUM HALL NARROW CHANNEL UNDER TRANSVERSALLY MODULATED MAGNETIC FIELD. International Journal of Modern Physics B, 2004, 18, 3563-3568.	2.0	0
207	Spin-flip process and quantum decoherence in a quantum dot. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 22, 474-477.	2.7	0
208	Transport in a two-dimensional electron gas narrow channel with a magnetic field gradient. AIP Conference Proceedings, 2005, , .	0.4	0
209	Interference through a Single Quantum Dot. AIP Conference Proceedings, 2005, , .	0.4	0
210	Terahertz emission from ferromagnetic GaMnAs. , 2005, , .		0
211	The Fano-Kondo Effect in Semiconductor Quantum Dots. AIP Conference Proceedings, 2006, , .	0.4	0
212	Quantum Hall Resistance Anomalies Observed at Î½ = 1/3 and 1 < Î½ < 2 in Two-Dimensional Hole System. AIP Conference Proceedings, 2006, , .	0.4	0
213	Superconducting Wire Network under Spatially Modulated Magnetic Field. AIP Conference Proceedings, 2006, , .	0.4	0
214	Large Magnetoconductance through an Interface between a Two-Dimensional Hole System and a (Ga,Mn)As Layer. AIP Conference Proceedings, 2006, , .	0.4	0
215	Aharonov-Bohm-type Oscillations of Small Array of Antidots in Quantum Hall Regime. AIP Conference Proceedings, 2006, , .	0.4	0
216	Temperature Scaling Anomalies in Quantum Hall Plateau Transitions with Ultra-Short Period Lateral Superlattice. AIP Conference Proceedings, 2006, , .	0.4	0

#	Article	IF	Citations
217	Metastable spin configuration of two-dimensional hole system in the quantum Hall regime. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 4255-4258.	0.8	0
218	Magnetoresistance in the strongly insulating regime of GaAs two-dimensional hole systems. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 34, 697-700.	2.7	0
219	Magnetization-induced terahertz emission from GaMnAs. , 2006, , .		0
220	Resistively-Detected NMR Studies of Quantum Hall Systems. AIP Conference Proceedings, 2007, , .	0.4	0
221	Control of shell filling with Coulomb interaction in quantum dots sideâ€coupled to quantum wires. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 2873-2875.	0.8	0
222	Magnetotransport through a twoâ€dimensional hole antidot lattice: Signatures of Berry phase. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 2847-2849.	0.8	0
223	Band warping effect appeared in commensurability oscillations in antidot lattices of a twoâ€dimensional hole gas. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 2876-2878.	0.8	0
224	Potential dependent intra-dot Coulomb interaction in quantum dots side-coupled to quantum wires. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1270-1272.	2.7	0
225	Study of vortex state in mesoscopic superconductors by Hall magnetometry. Journal of Physics: Conference Series, 2009, 150, 052223.	0.4	0
226	Spectroscopy of charge states of a superconducting single-electron transistor in an engineered electromagnetic environment. Journal of Physics: Conference Series, 2009, 150, 052001.	0.4	0
227	Magnetization Dependent Current Rectification in (Ga,Mn)As Magnetic Tunnel Junctions. Applied Physics Express, 2011, 4, 063004.	2.4	0
228	Experimental Verification of the Mott Relation in the Thermoelectric Effect of the Quantum Hall Systems. AIP Conference Proceedings, 2011, , .	0.4	0
229	Energy level spectroscopy of a quantum dot with a side-coupled satellite dot. AIP Conference Proceedings, 2011, , .	0.4	0
230	Dynamic nuclear polarization induced by the breakdown of fractional quantum Hall effect. Journal of Physics: Conference Series, 2011, 334, 012028.	0.4	0
231	Magnetization dependent rectification in (Ga,Mn)As tri-layer tunnel junctions. Journal of Physics: Conference Series, 2012, 400, 042016.	0.4	0
232	Suppression of Andreev current due to transverse current flow in an InAs two-dimensional electrons. Journal of Crystal Growth, 2013, 378, 400-403.	1.5	0
233	Effect of transverse current on Andreev bound state. , 2013, , .		0
234	Mechanical modification of magnetic anisotropy in (Ga,Mn)As. , 2013, , .		0

#	Article	IF	Citations
235	Spin Hall reduction of Josephson effect in InAs twoâ€dimensional electrons. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1473-1476.	0.8	0
236	Frequency dependent ac transport of films of close-packed carbon nanotube arrays. Journal of Physics: Conference Series, 2018, 969, 012129.	0.4	0
237	Spin Filtering Magnetoresistance in Doubleâ€Well Resonant Structures. Physica Status Solidi (B): Basic Research, 2019, 256, 1970027.	1.5	0
238	Spin Filtering Magnetoresistance in Doubleâ€Well Resonant Structures. Physica Status Solidi (B): Basic Research, 2019, 256, 1800560.	1.5	0
239	Superconductor connection to InAs two-dimensional electrons with accumulation edges. , 2019, , .		0
240	Spin Blockade and Magnetoresistance in Double Quantum Well Diode with Inverted Electric Field. , 2019, , .		0
241	The Josephson effect in InAs quantum wells with the spin Hall effect. , 2019, , .		0
242	Quantitative Evaluation of Electron-Electron Scattering Rate in Two-Dimensional Electron Gas by Magnetic Lateral Superlattice. Springer Proceedings in Physics, 2001, , 761-762.	0.2	0
243	Magnetic-Field-Driven Metal-Insulator Transition in Magnetic Semiconductor (Ga,Mn)As. Springer Proceedings in Physics, 2001, , 254-255.	0.2	0
244	QUANTUM TRANSPORT IN TWO-DIMENSIONAL ELECTRON GAS IN ULTRA-SHORT PERIOD LATERAL SUPERLATTICES. , 2002, , .		0
245	OBSERVATION-DEPENDENT DECOHERENCE IN AN AHARONOV-BOHM RING. , 2002, , .		0
246	New Tricks in Quantum Point Contacts. JPSJ News and Comments, 2005, 2, 06.	0.1	0
247	GIANT MAGNETOCONDUCTANCE AT INTERFACE BETWEEN A TWO-DIMENSIONAL HOLE SYSTEM AND A MAGNETIC SEMICONDUCTOR (GA,MN)AS. , 2005, , .		0
248	ELECTRON TRANSPORT IN 2DEG NARROW CHANNEL UNDER GRADIENT MAGNETIC FIELD. , 2005, , .		0
249	SUPERCONDUCTING NETWORK WITH MAGNETIC DECORATION â€" HOFSTADTER BUTTERFLY IN SPATIALLY MODULATED MAGNETIC FIELD. , 2005, , .		0
250	SUPERCONDUCTING WIRE NETWORK UNDER SPATIALLY MODULATED MAGNETIC FIELD. , 2006, , .		0
251	AHARONOV-BOHM-TYPE EFFECTS IN ANTIDOT ARRAYS AND THEIR DECOHERENCE. , 2006, , .		0
252	COHERENT TRANSPORT THROUGH QUANTUM DOTS. , 2006, , .		0

#	Article	IF	Citations
253	Phase Information from Two-Terminal Conductance of Quantum Dot Systems. AIP Conference Proceedings, 2007, , .	0.4	0
254	Single-particle Nature of Intersubband Electronic Raman Scattering and Dynamical Many-body Effects in Narrow GaAs Quantum Wells. AIP Conference Proceedings, 2007, , .	0.4	0
255	SPECTROSCOPY OF CHARGE STATES OF A SUPERCONDUCTING SINGLE-ELECTRON TRANSISTOR IN AN ENGINEERED ELECTROMAGNTIC ENVIRONMENT. , 2009, , .		0
256	Mesoscopic Phenomena and Their Applications.. Hyomen Kagaku, 1995, 16, 280-285.	0.0	0
257	Kubo Effects in Small Particles of Metals. Springer Series in Cluster Physics, 1999, , 113-122.	0.3	0
258	Superconducting Order Parameters Detected by Single-Electron Transistors. , 1999, , 225-228.		0
259	Anomalous giant Barkhausen jumps in IIIâ€“V-based diluted magnetic semiconductor (In,Mn)As at low temperatures. , 1999, , 177-180.		0
260	Electron-electron scattering in two-dimensional electron gas under spatially modulated magnetic field. , 1999, , 211-214.		0
261	Control of electron spin at spin-resolved quantum Hall edges. , 2019, , .		0
262	Extracting the Chiral Contribution to the Negative Longitudinal Magnetoresistance in Epitaxial Pr₂Ir₂O₇ Thin Films. , 2020, , .		0
263	Variable Range Hopping Conduction in Al0.3Ga0.7As:Si. Journal of the Physical Society of Japan, 1989, 58, 2634-2637.	1.6	0