

Shingo Katsumoto

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

226
papers

6,443
citations

31
h-index

78
g-index

265
ext. papers

6,794
ext. citations

2.7
avg, IF

5.06
L-index

#	Paper	IF	Citations
226	Toward Small Consumption of Helium with Recycling Activities at the Institute for Solid State Physics, The University of Tokyo. <i>TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan)</i> , 2021 , 56, 119-124	0.1	0
225	Homemade-HEMT-based transimpedance amplifier for high-resolution shot-noise measurements.. <i>Review of Scientific Instruments</i> , 2021 , 92, 124712	1.7	1
224	Gate-controlled unitary operation on flying spin qubits in quantum Hall edge states. <i>Physical Review B</i> , 2020 , 102,	3.3	1
223	Optoelectronic properties of laser-beam-patterned few-layer lateral MoS ₂ Schottky junctions. <i>Applied Physics Letters</i> , 2020 , 117, 043101	3.4	7
222	Room-temperature quantum spin Hall phase in laser-patterned few-layer 1T'- MoS ₂ . <i>Communications Materials</i> , 2020 , 1,	6	1
221	Edge-derived magnetisms in very thin non-doped Bi ₂ Te ₃ nanomesh. <i>Applied Physics Letters</i> , 2019 , 115, 093101	3.4	
220	Laser-Beam-Patterned Topological Insulating States on Thin Semiconducting MoS ₂ . <i>Physical Review Letters</i> , 2019 , 123, 146803	7.4	13
219	Spin Filtering Magnetoresistance in Double-Well Resonant Structures. <i>Physica Status Solidi (B): Basic Research</i> , 2019 , 256, 1800560	1.3	
218	Strain-induced spontaneous Hall effect in an epitaxial thin film of a Luttinger semimetal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 8803-8808	11.5	19
217	Evidence for Spin-Triplet Electron Pairing in the Proximity-Induced Superconducting State of an Fe-Doped InAs Semiconductor. <i>Physical Review Letters</i> , 2019 , 122, 107001	7.4	6
216	Spatial distribution of thermoelectric voltages in a Hall-bar shaped two-dimensional electron system under a magnetic field. <i>Journal of Physics Communications</i> , 2019 , 3, 055005	1.2	3
215	Spin Filtering Magnetoresistance in Double-Well Resonant Structures. <i>Physica Status Solidi (B): Basic Research</i> , 2019 , 256, 1970027	1.3	
214	Spin-orbit interaction in Pt or Bi ₂ Te ₃ nanoparticle-decorated graphene realized by a nanoneedle method. <i>Applied Physics Letters</i> , 2018 , 113, 053106	3.4	9
213	Frequency dependent ac transport of films of close-packed carbon nanotube arrays. <i>Journal of Physics: Conference Series</i> , 2018 , 969, 012129	0.3	
212	Proximity-Induced Superconductivity in a Ferromagnetic Semiconductor (In,Fe)As. <i>Journal of Physics: Conference Series</i> , 2018 , 969, 012036	0.3	3
211	Evidence for a quantum spin Hall phase in graphene decorated with BiTe nanoparticles. <i>Science Advances</i> , 2018 , 4, eaau6915	14.3	22
210	Frequencies of the Edge-Magnetoplasmon Excitations in Gated Quantum Hall Edges. <i>Journal of the Physical Society of Japan</i> , 2018 , 87, 064709	1.5	2

209	Large edge magnetism in oxidized few-layer black phosphorus nanomeshes. <i>Nano Research</i> , 2017 , 10, 718-728	10	24
208	Photoresponse in gate-tunable atomically thin lateral MoS ₂ Schottky junction patterned by electron beam. <i>Applied Physics Letters</i> , 2017 , 110, 143109	3.4	6
207	Two-carrier model on the magnetotransport of epitaxial graphene containing coexisting single-layer and bilayer areas. <i>Philosophical Magazine</i> , 2017 , 97, 1755-1767	1.6	2
206	Conductance fluctuations in InAs quantum wells possibly driven by Zitterbewegung. <i>Scientific Reports</i> , 2017 , 7, 7909	4.9	3
205	Edge-spin-derived magnetism in few-layer MoS ₂ nanomeshes. <i>AIP Advances</i> , 2017 , 7, 125019	1.5	9
204	Observation of Conductance Fluctuation due to Zitterbewegung in InAs 2-dimensional Electron Gas. <i>Journal of Physics: Conference Series</i> , 2017 , 864, 012054	0.3	3
203	Spin phase protection in interference of electron spin waves in lightly hydrogenated graphene. <i>RSC Advances</i> , 2016 , 6, 67586-67591	3.7	4
202	Introduction of SpinOrbit Interaction into Graphene with Hydrogenation. <i>Journal of the Physical Society of Japan</i> , 2016 , 85, 105002	1.5	1
201	Gate-Tunable Atomically Thin Lateral MoS ₂ Schottky Junction Patterned by Electron Beam. <i>Nano Letters</i> , 2016 , 16, 3788-94	11.5	82
200	Spin polarization in the vicinity of quantum point contact with spin-orbit interaction. <i>Physical Review B</i> , 2016 , 94,	3.3	3
199	Adiabatic measurements of magneto-caloric effects in pulsed high magnetic fields up to 55 T. <i>Review of Scientific Instruments</i> , 2013 , 84, 074901	1.7	32
198	Control of magnetic anisotropy in (Ga,Mn)As with etching depth of specimen boundaries. <i>Journal of Crystal Growth</i> , 2013 , 378, 381-384	1.6	1
197	Heat-pulse measurements of specific heat in 36 ms pulsed magnetic fields. <i>Measurement Science and Technology</i> , 2013 , 24, 115005	2	11
196	Suppression of Andreev current due to transverse current flow in an InAs two-dimensional electrons. <i>Journal of Crystal Growth</i> , 2013 , 378, 400-403	1.6	
195	Robustness of spin filtering against current leakage in a Rashba-Dresselhaus-Aharonov-Bohm interferometer. <i>Physical Review B</i> , 2013 , 87,	3.3	14
194	Spin Hall reduction of Josephson effect in InAs two-dimensional electrons. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2013 , 10, 1473-1476		
193	Geometric resonances in the magnetoresistance of hexagonal lateral superlattices. <i>Physical Review B</i> , 2012 , 86,	3.3	7
192	Evidence of Spin-Filtering in Quantum Constrictions with SpinOrbit Interaction. <i>Journal of the Physical Society of Japan</i> , 2012 , 81, 054706	1.5	10

191	Detection of spin polarization utilizing singlet and triplet states in a single-lead quantum dot. <i>Physical Review B</i> , 2012 , 86,	3.3	7
190	Magnetization dependent rectification in (Ga,Mn)As tri-layer tunnel junctions. <i>Journal of Physics: Conference Series</i> , 2012 , 400, 042016	0.3	
189	Novel blockade due to spin-filtering with spin-orbit interaction. <i>Journal of Physics: Conference Series</i> , 2012 , 400, 042032	0.3	1
188	Magnetization Dependent Current Rectification in (Ga,Mn)As Magnetic Tunnel Junctions. <i>Applied Physics Express</i> , 2011 , 4, 063004	2.4	
187	Dynamic nuclear polarization induced by the breakdown of fractional quantum Hall effect. <i>Journal of Physics: Conference Series</i> , 2011 , 334, 012028	0.3	
186	Filtering and analyzing mobile qubit information via Rashba-Dresselhaus-Aharonov-Bohm interferometers. <i>Physical Review B</i> , 2011 , 84,	3.3	45
185	Spatial gradient of dynamic nuclear spin polarization induced by breakdown of the quantum Hall effect. <i>Physical Review B</i> , 2011 , 83,	3.3	3
184	Probing local electronic states in the quantum Hall regime with a side-coupled quantum dot. <i>Physical Review B</i> , 2010 , 81,	3.3	7
183	Strain-induced enhancement of electric quadrupole splitting in resistively detected nuclear magnetic resonance spectrum in quantum Hall systems. <i>Applied Physics Letters</i> , 2010 , 96, 032102	3.4	12
182	Spin filtering due to quantum interference in periodic mesoscopic networks. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010 , 42, 629-633	3	5
181	Measurement of diffusion thermopower in the quantum Hall systems. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010 , 42, 1030-1033	3	9
180	Detection of spin polarization in a quantum wire. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010 , 42, 809-812	3	1
179	Detection of spin polarization with a side-coupled quantum dot. <i>Physical Review B</i> , 2009 , 79,	3.3	14
178	Dynamic nuclear polarization induced by breakdown of fractional quantum Hall effect. <i>Physical Review B</i> , 2009 , 79,	3.3	10
177	Temperature-dependent screening of the edge state around antidots in the quantum Hall regime. <i>Physical Review Letters</i> , 2009 , 102, 086802	7.4	8
176	Coherent manipulation of nuclear spins in the breakdown regime of integer quantum Hall states. <i>Journal of Physics: Conference Series</i> , 2009 , 150, 022034	0.3	2
175	Study of vortex state in mesoscopic superconductors by Hall magnetometry. <i>Journal of Physics: Conference Series</i> , 2009 , 150, 052223	0.3	
174	Spectroscopy of charge states of a superconducting single-electron transistor in an engineered electromagnetic environment. <i>Journal of Physics: Conference Series</i> , 2009 , 150, 052001	0.3	

173	Spin-Resolved Edge States around an Antidot in the Vicinity of the $\nu = 2$ Quantum Hall State. <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 124704	1.5	3
172	Quantum interference in radial heterostructure nanowires. <i>Nano Letters</i> , 2008 , 8, 3189-93	11.5	26
171	Aharonov-Bohm-type oscillations in antidot lattices in the quantum Hall regime. <i>Physical Review B</i> , 2008 , 77,	3.3	12
170	Spin filtering by a periodic spintronic device. <i>Physical Review B</i> , 2008 , 78,	3.3	40
169	Excited-state spectroscopy on a quantum dot side coupled to a quantum wire. <i>Applied Physics Letters</i> , 2008 , 93, 112111	3.4	9
168	Dynamic Nuclear Polarization in a Quantum Hall Corbino Disk. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 023710	1.5	6
167	Resistance Fluctuations and Aharonov-Bohm-Type Oscillations in Antidot Arrays in the Quantum Hall Regime. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 093715	1.5	3
166	Superconducting transition in wire network under spatially modulated magnetic field. <i>Physica C: Superconductivity and Its Applications</i> , 2008 , 468, 824-827	1.3	1
165	Control of shell filling with Coulomb interaction in quantum dots side-coupled to quantum wires. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008 , 5, 2873-2875		
164	Magnetotransport through a two-dimensional hole antidot lattice: Signatures of Berry phase. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008 , 5, 2847-2849		
163	Band warping effect appeared in commensurability oscillations in antidot lattices of a two-dimensional hole gas. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008 , 5, 2876-2878		
162	Potential dependent intra-dot Coulomb interaction in quantum dots side-coupled to quantum wires. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008 , 40, 1270-1272	3	
161	Dynamic nuclear polarization and Knight shift measurements in a breakdown regime of integer quantum Hall effect. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008 , 40, 1389-1391	3	3
160	Evolution of $h/2e$ Aharonov-Bohm oscillation with the Zeeman energy around an antidot. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008 , 40, 1517-1519	3	2
159	Observation of spin-orbit Berry phase in magnetoresistance of a two-dimensional hole antidot system. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008 , 40, 1051-1054	3	1
158	Coherence and spin effects in quantum dots. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 233201	1.8	18
157	Superconducting Transitions in Wire Network under Spatially Modulated Magnetic Field. <i>Journal of the Physical Society of Japan</i> , 2007 , 76, 094707	1.5	3
156	Electrical coherent control of nuclear spins in a breakdown regime of quantum Hall effect. <i>Applied Physics Letters</i> , 2007 , 91, 092120	3.4	16

155	Experimental investigation of polaron effects in Ga _{1-x} MnxAs by time-resolved and continuous-wave midinfrared spectroscopy. <i>Physical Review B</i> , 2007 , 76,	3-3	8
154	Fano Effect in a Few-Electron Quantum Dot. <i>Journal of the Physical Society of Japan</i> , 2007 , 76, 084706	1-5	13
153	Anisotropic Transport of Two-Dimensional Hole System in Higher Landau Levels: Effect of In-Plane Magnetic Field. <i>Journal of the Physical Society of Japan</i> , 2007 , 76, 074712	1-5	2
152	Observation of Spin-Orbit Berry-Phase in Magnetoresistance of a Two-Dimensional Hole Anti-dot System. <i>Journal of the Physical Society of Japan</i> , 2007 , 76, 083704	1-5	3
151	Breakdown of phase rigidity and variations of the Fano effect in closed Aharonov-Bohm interferometers. <i>Physical Review B</i> , 2006 , 73,	3-3	31
150	Collective and single-particle intersubband excitations in narrow quantum wells selected by infrared absorption and resonant Raman scattering. <i>Physical Review B</i> , 2006 , 74,	3-3	3
149	Terahertz radiation emission from GaMnAs. <i>Applied Physics Letters</i> , 2006 , 88, 221110	3-4	16
148	Dispersive lineshape of the resistively-detected NMR in the vicinity of Landau level filling $\nu = 1$. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006 , 3, 4380-4383		14
147	Metastable spin configuration of two-dimensional hole system in the quantum Hall regime. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006 , 3, 4255-4258		
146	Tunable Fano-Kondo effect in a quantum dot with an Aharonov-Bohm ring. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006 , 3, 4208-4213		11
145	Effect of localized spins in coherent transport through quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2006 , 34, 36-41	3	6
144	Temperature scaling of quantum Hall plateau transition in bilayer systems. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2006 , 34, 112-115	3	2
143	Aharonov-Bohm-type effects in different arrays of antidots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2006 , 34, 534-537	3	5
142	Magnetoresistance in the strongly insulating regime of GaAs two-dimensional hole systems. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2006 , 34, 697-700	3	
141	Ultrafast magneto-optical spectroscopy of GaMnAs (Invited Paper) 2005 ,		1
140	Photo-induced demagnetization observed by time-resolved mid-infrared transmittance spectroscopy in Ga _{0.94} Mn _{0.06} As. <i>Springer Series in Chemical Physics</i> , 2005 , 319-321	0-3	
139	Observation of the Fano-Kondo antiresonance in a quantum wire with a side-coupled quantum dot. <i>Physical Review Letters</i> , 2005 , 95, 066801	7-4	125
138	Direct observation of a neutral Mn acceptor in Ga _{1-x} MnxAs by resonant x-ray emission spectroscopy. <i>Physical Review B</i> , 2005 , 71,	3-3	7

137	New Tricks in Quantum Point Contacts. <i>JPSJ News and Comments</i> , 2005 , 2, 06		0.1
136	Fano resonance in a quantum wire with a side-coupled quantum dot. <i>Physical Review B</i> , 2004 , 70,	3.3	225
135	Transport in a two-dimensional electron-gas narrow channel with a magnetic-field gradient. <i>Physical Review B</i> , 2004 , 69,	3.3	31
134	Observation of "partial coherence" in an Aharonov-Bohm interferometer with a quantum dot. <i>Physical Review Letters</i> , 2004 , 92, 176802	7.4	46
133	Intersubband electronic Raman scattering in narrow GaAs single quantum wells dominated by single-particle excitations. <i>Physical Review B</i> , 2004 , 70,	3.3	5
132	Hofstadter butterflies in a modulated magnetic field: Superconducting wire network with magnetic decoration. <i>Physical Review B</i> , 2004 , 70,	3.3	28
131	Interference Effect in Multilevel Transport through a Quantum Dot. <i>Journal of the Physical Society of Japan</i> , 2004 , 73, 3235-3238	1.5	18
130	SUPPRESSION OF BACKSCATTERING IN QUANTUM HALL NARROW CHANNEL UNDER TRANSVERSALLY MODULATED MAGNETIC FIELD. <i>International Journal of Modern Physics B</i> , 2004 , 18, 3563-3568	1.1	
129	Universal Conductance Fluctuations in a Narrow Channel of Two-dimensional Electron Gas under Gradient Magnetic Field with Zero Mean. <i>Journal of the Physical Society of Japan</i> , 2004 , 73, 2928-2931	1.5	
128	Ultrahigh-field hole cyclotron resonance absorption in In _{1-x} MnxAs films. <i>Physical Review B</i> , 2004 , 70,	3.3	20
127	Magnetoresistance anomalies at level crossing in double layer quantum Hall systems. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004 , 22, 64-67	3	
126	Transport in ferromagnet/semiconductor 2DEG hybrid network structure. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004 , 22, 345-348	3	2
125	Quantum oscillation and decoherence in triangular antidot lattice. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004 , 22, 365-368	3	9
124	Mesoscopic Fano effect through a quantum dot in an Aharonov-Bohm ring. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004 , 22, 468-473	3	2
123	Spin-flip process and quantum decoherence in a quantum dot. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004 , 22, 474-477	3	
122	Aharonov-Bohm-type Effects in Triangular Antidot Lattice. <i>Journal of the Physical Society of Japan</i> , 2004 , 73, 3370-3377	1.5	25
121	Construction of an N-Body Cu-Ta Potential and Study of Interfacial Behavior between Immiscible Cu and Ta through Molecular Dynamics Simulation. <i>Journal of the Physical Society of Japan</i> , 2003 , 72, 5-8	1.5	4
120	Suppression of Quantum Decoherence in an Aharonov-Bohm Ring. <i>Journal of the Physical Society of Japan</i> , 2003 , 72, 5-6	1.5	2

119	Quantum interference and decoherence in hexagonal antidot lattices. <i>Superlattices and Microstructures</i> , 2003 , 34, 165-171	2.8	4
118	Quantum coherence in quantum dot-Aharonov-Bohm ring hybrid systems. <i>Superlattices and Microstructures</i> , 2003 , 34, 151-157	2.8	7
117	Tunable Fano system: a quantum dot embedded in an Aharonov-Bohm ring. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003 , 18, 56-59	3	5
116	Mesoscopic Fano effect in a quantum dot embedded in an Aharonov-Bohm ring. <i>Physical Review B</i> , 2003 , 68,	3.3	142
115	Observation of the spin-charge thermal isolation of ferromagnetic Ga _{0.94} Mn _{0.06} As by time-resolved magneto-optical measurements. <i>Physical Review B</i> , 2003 , 68,	3.3	52
114	Magnetotransport in ultrashort period unidirectional lateral superlattices. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002 , 12, 200-203	3	13
113	Magnetotransport in 2DEG with magnetic barriers. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002 , 12, 224-228	3	2
112	Suppression of exchange enhancement of spin gap in quantum Hall systems by ultra-short period lateral superlattice. <i>Journal of Physics and Chemistry of Solids</i> , 2002 , 63, 1297-1300	3.9	1
111	Reduction of quantum decoherence in non-local resistance measurement. <i>Microelectronic Engineering</i> , 2002 , 63, 53-56	2.5	1
110	Metal-insulator transition in (Ga, Mn)As. <i>Journal of Physics and Chemistry of Solids</i> , 2002 , 63, 1315-1318	3.9	
109	Observation of an enhanced Aharonov-Bohm effect. <i>Journal of Physics and Chemistry of Solids</i> , 2002 , 63, 1301-1305	3.9	1
108	Effect of low-temperature annealing on the crystallinity of III-V-based diluted magnetic semiconductors. <i>Journal of Crystal Growth</i> , 2002 , 237-239, 1334-1338	1.6	5
107	Double-exchange-like interaction in Ga _{1-x} Mn _x As investigated by infrared absorption spectroscopy. <i>Physical Review B</i> , 2002 , 65,	3.3	55
106	Probe-Configuration-Dependent Decoherence in an Aharonov-Bohm Ring. <i>Journal of the Physical Society of Japan</i> , 2002 , 71, 2094-2097	1.5	40
105	Transport in Two-Dimensional Electron Gas with Isolated Magnetic Barriers. <i>Journal of the Physical Society of Japan</i> , 2002 , 71, 543-549	1.5	5
104	Manganese concentration and low-temperature annealing dependence of Ga _{1-x} Mn _x As by x-ray absorption spectroscopy. <i>Physical Review B</i> , 2002 , 65,	3.3	43
103	Tuning of the Fano effect through a quantum dot in an Aharonov-Bohm interferometer. <i>Physical Review Letters</i> , 2002 , 88, 256806	7.4	479
102	Quantum Hall effect in semiconductor superlattice in a tilted magnetic field. <i>Physica B: Condensed Matter</i> , 2001 , 298, 48-51	2.8	8

101	Two-dimensional electrons in spatially inhomogeneous magnetic field. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2001 , 84, 37-43	3.1	3
100	Magnetism and metal-insulator transition in III-V based diluted magnetic semiconductors. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2001 , 84, 88-95	3.1	39
99	Control of material parameters and metal-insulator transition in (Ga,Mn)As. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2001 , 10, 130-134	3	3
98	Magnetotransport of $\nu=3/2$ composite fermions under periodic effective magnetic-field modulation. <i>Physical Review B</i> , 2001 , 63,	3.3	18
97	Effect of low-temperature annealing on transport and magnetism of diluted magnetic semiconductor (Ga, Mn)As. <i>Applied Physics Letters</i> , 2001 , 78, 1691-1693	3.4	24 ⁰
96	Quantitative Evaluation of Electron-Electron Scattering Rate in Two-Dimensional Electron Gas by Magnetic Lateral Superlattice. <i>Springer Proceedings in Physics</i> , 2001 , 761-762	0.2	
95	Magnetic-Field-Driven Metal-Insulator Transition in Magnetic Semiconductor (Ga,Mn)As. <i>Springer Proceedings in Physics</i> , 2001 , 254-255	0.2	
94	Non-ohmic out-of-plane conductance in a multilayered quantum Hall system. <i>Physica B: Condensed Matter</i> , 2000 , 280, 380-381	2.8	
93	Vortex state in microfabricated superconducting disk probed by tunneling spectroscopy. <i>Physica B: Condensed Matter</i> , 2000 , 284-288, 817-818	2.8	4
92	Spin diffusion length and giant magnetoresistance in spin-valve tri-layers. <i>Physica B: Condensed Matter</i> , 2000 , 284-288, 1247-1248	2.8	1
91	Staircase-like hysteresis loop in III-V compound diluted magnetic semiconductor (In,Mn)As at low temperatures. <i>Physica B: Condensed Matter</i> , 2000 , 284-288, 1173-1174	2.8	3
90	Anisotropy and Barkhausen jumps in diluted magnetic semiconductor (Ga,Mn)As. <i>Physica B: Condensed Matter</i> , 2000 , 284-288, 1175-1176	2.8	14
89	Transport in two-dimensional electron gas in inhomogeneous magnetic field. <i>Physica B: Condensed Matter</i> , 2000 , 284-288, 1900-1901	2.8	12
88	Electron-electron umklapp scattering in two-dimensional electron gas under lateral magnetic periodicity. <i>Physica B: Condensed Matter</i> , 2000 , 284-288, 1902-1903	2.8	
87	Non-ohmic vertical transport in multilayered quantum hall systems. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2000 , 6, 698-701	3	1
86	Electron-electron scattering in two-dimensional electron gas under a controllable spatially modulated magnetic field. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2000 , 6, 735-737	3	1
85	Quantum Charge Fluctuations in Quantum Dots. <i>Journal of the Physical Society of Japan</i> , 2000 , 69, 828-835		
84	Envelope of commensurability magnetoresistance oscillation in unidirectional lateral superlattices. <i>Physical Review B</i> , 2000 , 62, 16761-16767	3.3	37

83	Magnetic and transport properties of the ferromagnetic semiconductor heterostructures (In,Mn)As/(Ga,Al)Sb. <i>Physical Review B</i> , 1999 , 59, 5826-5831	3.3	69
82	Metal-Insulator transition and magnetotransport in III \bar{V} compound diluted magnetic semiconductors. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1999 , 63, 88-95	3.1	58
81	Electron-Electron Umklapp Process in Two-Dimensional Electron Gas under a Spatially Alternating Magnetic Field. <i>Journal of the Physical Society of Japan</i> , 1999 , 68, 1492-1495	1.5	18
80	Magnetic Flux Configuration in Mesoscopic Superconductor Probed by Scanning Tunneling Spectroscopy. <i>Journal of the Physical Society of Japan</i> , 1999 , 68, 2872-2873	1.5	3
79	Transverse Resistance in Two-Dimensional Electron Gas in Oblique Lateral Superlattice. <i>Journal of the Physical Society of Japan</i> , 1999 , 68, 2870-2871	1.5	7
78	Superconducting Network in Spatially Modulated Magnetic Field - Hofstadter-Type Problem in Checkerboard Field. <i>Journal of the Physical Society of Japan</i> , 1999 , 68, 3158-3161	1.5	6
77	Hofstadter Butterfly in Checkerboard Field. <i>Journal of the Physical Society of Japan</i> , 1999 , 68, 3462-3463	1.5	7
76	Strong Non-Ohmicity in Vertical Transport in Multilayered Quantum Hall Systems. <i>Journal of the Physical Society of Japan</i> , 1999 , 68, 2186-2189	1.5	3
75	Magnetotransport Properties of (Ga, Mn)As/GaAs/(Ga, Mn)As Trilayer Structures. <i>Journal of the Magnetism Society of Japan</i> , 1999 , 23, 99-101		3
74	Kubo Effects in Small Particles of Metals. <i>Springer Series in Cluster Physics</i> , 1999 , 113-122		
73	Superconducting Order Parameters Detected by Single-Electron Transistors 1999 , 225-228		
72	Anomalous giant Barkhausen jumps in III \bar{V} -based diluted magnetic semiconductor (In,Mn)As at low temperatures 1999 , 177-180		
71	Electron-electron scattering in two-dimensional electron gas under spatially modulated magnetic field 1999 , 211-214		
70	Strongly Anisotropic Hopping Conduction in (Ga, Mn)As/GaAs. <i>Physica Status Solidi (B): Basic Research</i> , 1998 , 205, 115-118	1.3	30
69	Giant Negative Magnetoresistance of (Ga,Mn)As/GaAs in the Vicinity of a Metal-Insulator Transition. <i>Physica Status Solidi (B): Basic Research</i> , 1998 , 205, 167-171	1.3	13
68	Control of magnetic field modulation on two-dimensional electron gas at the GaAs/AlGaAs heterointerface by parallel magnetic field. <i>Solid-State Electronics</i> , 1998 , 42, 1121-1124	1.7	
67	Detection of fractional edge channel by quantum point contacts. <i>Solid-State Electronics</i> , 1998 , 42, 1179-1182		2
66	Non-invasive measurements of mesoscopic superconductors by superconducting single electron transistors. <i>Solid-State Electronics</i> , 1998 , 42, 1463-1466	1.7	1

65	Microstructured thin films and multilayers of superconductor and ferromagnetic metal. <i>Solid-State Electronics</i> , 1998 , 42, 1481-1488	1.7	2
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