

Mansour Shayegan

List of Publications by Year in descending order

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358
papers

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23697

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90
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360
all docs

360
docs citations

360
times ranked

4159
citing authors

#	ARTICLE	IF	CITATIONS
1	Correlated States of 2D Electrons near the Landau Level Filling $\nu = 1/2$. Physical Review Letters, 2022, 128, 026802.	7.9	8
2	Record-quality GaAs two-dimensional hole systems. Physical Review Materials, 2022, 6, .	2.5	12
3	Wigner crystals in flat band 2D electron systems. Nature Reviews Physics, 2022, 4, 212-213.	26.9	16
4	Anisotropic Two-Dimensional Disordered Wigner Solid. Physical Review Letters, 2022, 129, .	7.9	12
5	Composite fermion mass: Experimental measurements in ultrahigh quality two-dimensional electron systems. Physical Review B, 2022, 106, .	3.2	2
6	Bloch ferromagnetism of composite fermions. Nature Physics, 2021, 17, 48-52.	16.8	16
7	Competition between fractional quantum Hall liquid and Wigner solid at small fillings: Role of layer thickness and Landau level mixing. Physical Review Research, 2021, 3, .	3.6	5
8	Ultra-high-quality two-dimensional electron systems. Nature Materials, 2021, 20, 632-637.	28.1	76
9	Local signatures of electron-electron scattering in an electronic cavity. Physical Review Research, 2021, 3, .	3.6	0
10	Fractional Quantum Hall Effect Energy Gaps: Role of Electron Layer Thickness. Physical Review Letters, 2021, 127, 056801.	7.9	12
11	Spontaneous Valley Polarization of Itinerant Electrons. Physical Review Letters, 2021, 127, 116601.	7.9	14
12	Melting phase diagram of bubble phases in high Landau levels. Physical Review B, 2021, 104, .	3.2	0
13	Heterostructure design to achieve high quality, high density GaAs 2D electron system with g-factor tending to zero. Applied Physics Letters, 2020, 117, 022102.	3.4	0
14	Precise Experimental Test of the Luttinger Theorem and Particle-Hole Symmetry for a Strongly Correlated Fermionic System. Physical Review Letters, 2020, 125, 046601.	7.9	9
15	Thermal and Quantum Melting Phase Diagrams for a Magnetic-Field-Induced Wigner Solid. Physical Review Letters, 2020, 125, 036601.	7.9	23
16	Observation of spontaneous ferromagnetism in a two-dimensional electron system. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32244-32250.	7.2	28
17	Spin Reversal of a Quantum Hall Ferromagnet at a Landau Level Crossing. Physical Review Letters, 2020, 125, 067404.	7.9	7
18	Working principles of doping-well structures for high-mobility two-dimensional electron systems. Physical Review Materials, 2020, 4, .	2.5	18

#	ARTICLE	IF	CITATIONS
19	Probing Composite Fermions Near Half-Filled Landau Levels. , 2020, , 133-181.		0
20	Geometric resonance of four-flux composite fermions. Physical Review B, 2019, 100, .	3.2	9
21	Negative longitudinal magnetoresistance in gallium arsenide quantum wells. Nature Communications, 2019, 10, 287.	13.0	18
22	Wigner solid pinning modes tuned by fractional quantum Hall states of a nearby layer. Science Advances, 2019, 5, eaao2848.	10.5	2
23	Probing the Melting of a Two-Dimensional Quantum Wigner Crystal via its Screening Efficiency. Physical Review Letters, 2019, 122, 116601.	7.9	20
24	Spatial Mapping of Local Density Variations in Two-dimensional Electron Systems Using Scanning Photoluminescence. Nano Letters, 2019, 19, 1908-1913.	9.3	7
25	Cyclotron Orbits of Composite Fermions in the Fractional Quantum Hall Regime. Physical Review Letters, 2018, 120, 016802.	7.9	6
26	Unconventional Anisotropic Even-Denominator Fractional Quantum Hall State in a System with Mass Anisotropy. Physical Review Letters, 2018, 121, 256601.	7.9	13
27	Wigner solids of wide quantum wells near Landau filling $\hat{\nu}=1$. Physical Review B, 2018, 98, .	3.2	1
28	Realization of a Valley Superlattice. Physical Review Letters, 2018, 121, 036802.	7.9	11
29	Anomalous coupling between magnetic and nematic orders in quantum Hall systems. Physical Review B, 2018, 98, .	3.2	5
30	Critical filling factor for the formation of a quantum Wigner crystal screened by a nearby layer. Physical Review B, 2018, 98, .	3.2	2
31	Direct Observation of Composite Fermions and Their Fully-Spin-Polarized Fermi Sea near $\nu=5/2$. Physical Review Letters, 2018, 120, 256601.	7.9	21
32	Surface segregation and the AI problem in GaAs quantum wells. Physical Review Materials, 2018, 2, . Multivalley two-dimensional electron system in an AIAs quantum well with mobility exceeding	2.5	14
33	$\nu=5/2$ quantum Hall state in a GaAs quantum well with mobility exceeding 10^6 cm ² /Vs. Physical Review Letters, 2018, 120, 256601.	2.5	16
34	Tuning of Fermi contour anisotropy in GaAs (001) 2D holes via strain. Applied Physics Letters, 2017, 110, .	3.4	7
35	Microwave spectroscopic observation of a Wigner solid within the $\nu=5/2$ fractional quantum Hall effect. Physical Review B, 2017, 95, .	3.2	3
36	Search for composite fermions at filling factor $5/2$: Role of Landau level and subband index. Physical Review B, 2017, 95, .	3.2	3

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37	Signatures of an annular Fermi sea. Physical Review B, 2017, 95, .	3.2	9
38	Interaction-induced interlayer charge transfer in the extreme quantum limit. Physical Review B, 2017, 96, .	3.2	7
39	Observation of fractional quantum Hall effect in an InAs quantum well. Physical Review B, 2017, 96, .	3.2	14
40	Transference of Fermi Contour Anisotropy to Composite Fermions. Physical Review Letters, 2017, 119, 016402.	7.9	27
41	Design rules for modulation-doped AIAs quantum wells. Physical Review Materials, 2017, 1, .	2.5	16
42	Geometric Resonance of Composite Fermions near Bilayer Quantum Hall States. Physical Review Letters, 2016, 117, 246801.	7.9	15
43	Interplay between quantum well width and interface roughness for electron transport mobility in GaAs quantum wells. Applied Physics Letters, 2016, 109, .	3.4	12
44	Observation of an Anisotropic Wigner Crystal. Physical Review Letters, 2016, 117, 106802.	7.9	10
45	Commensurability Oscillations of Composite Fermions Induced by the Periodic Potential of a Wigner Crystal. Physical Review Letters, 2016, 117, 096601.	7.9	41
46	Reorientation of the Stripe Phase of 2D Electrons by a Minute Density Modulation. Physical Review Letters, 2016, 117, 076803.	7.9	13
47	Anisotropic composite fermions and fractional quantum Hall effect. Physical Review B, 2016, 93, .	3.2	11
48	Morphing of two-dimensional hole systems at $\nu = 1/2$ parallel magnetic fields: Compressible, stripe, and fractional quantum Hall phases. Physical Review B, 2016, 94, .	3.2	5
49	Unusual Landau level pinning and correlated $\nu = 1/2$ Hall effect in hole systems confined to wide GaAs quantum wells. Physical Review B, 2015, 92, .	3.2	17
50	Multicomponent fractional quantum Hall states with subband and spin degrees of freedom. Physical Review B, 2015, 92, .	3.2	10
51	Splitting of the Fermi Contour of Quasi-2D Electrons in Parallel Magnetic Fields. Physical Review Letters, 2015, 114, 236404.	7.9	18
52	Geometric Resonance of Composite Fermions Near the $\nu = 1/2$ Quantum Hall State. Physical Review Letters, 2015, 114, 236406.	7.9	19
53	Composite Fermions with a Warped Fermi Contour. Physical Review Letters, 2015, 114, 176805.	7.9	22
54	$\nu = 1/2$ quantum Hall effect in tilted magnetic fields. Physical Review B, 2015, 91, .	3.2	14

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55	Microwave spectroscopy of the low-filling-factor bilayer electron solid in a wide quantum well. Nature Communications, 2015, 6, 7071.	13.0	11
56	Fractional Quantum Hall Effect and Wigner Crystal of Interacting Composite Fermions. Physical Review Letters, 2014, 113, 246803.	7.9	26
57	Determination of Fermi contour and spin polarization of $\nu = 1/2$ composite fermions via ballistic commensurability measurements. Physical Review B, 2014, 90, .	3.2	35
58	Microwave spectroscopic observation of distinct electron solid phases in wide quantum wells. Nature Communications, 2014, 5, 4154.	13.0	18
59	Spin polarization of composite fermions and particle-hole symmetry breaking. Physical Review B, 2014, 90, .	3.2	31
60	Fermi contour anisotropy of GaAs electron-flux composite fermions in parallel magnetic fields. Physical Review B, 2014, 89, .	3.2	34
61	What Determines the Fermi Wave Vector of Composite Fermions?. Physical Review Letters, 2014, 113, 196801.	7.9	59
62	Fractional Quantum Hall Effect at $\nu = 1/2$ Hole Systems Confined to GaAs Quantum Wells. Physical Review Letters, 2014, 112, 046804.	7.9	27
63	Even-denominator fractional quantum Hall effect at a Landau level crossing. Physical Review B, 2014, 89, .	3.2	26
64	Anisotropic Fermi contour of (001) GaAs electrons in parallel magnetic fields. Physical Review B, 2013, 88, .	3.2	14
65	Phase diagrams for the stability of the $\nu = 2/5$ quantum Hall effect in electron systems confined to symmetric, wide GaAs quantum wells. Physical Review B, 2013, 88, .	3.2	35
66	Evidence for a $\nu = 5/2$ quantum Hall nematic state in parallel magnetic fields. Physical Review B, 2013, 88, .	3.2	45
67	Spin and charge distribution symmetry dependence of stripe phases in two-dimensional electron systems confined to wide quantum wells. Physical Review B, 2013, 87, .	3.2	13
68	Composite Fermions with Tunable Fermi Contour Anisotropy. Physical Review Letters, 2013, 110, 206801.	7.9	47
69	Ballistic transport of (001) GaAs two-dimensional holes through a strain-induced lateral superlattice. Physical Review B, 2012, 85, .	3.2	23
70	Commensurability Oscillations of Hole-Flux Composite Fermions. Physical Review Letters, 2012, 109, 236401.	7.9	29
71	Unequal layer densities in bilayer Wigner crystal at high magnetic fields. Physical Review B, 2012, 85, .	3.2	9
72	Anisotropic Fermi contour of (001) GaAs holes in parallel magnetic fields. Physical Review B, 2012, 86, .	3.2	19

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73	Observation of Reentrant Integer Quantum Hall States in the Lowest Landau Level. Physical Review Letters, 2012, 109, 036801.	7.9	18
74	Anomalous Robustness of the $\nu = 5$ Quantum Hall State near a Sharp Phase Boundary. Physical Review Letters, 2011, 107, 176805.	7.9	28
75	Evolution of the $\nu = 2$ Fractional Quantum Hall State in Two-Subband Systems. Physical Review Letters, 2011, 107, 266802.	7.9	19
76	Imaging of Coulomb-Driven Quantum Hall Edge States. Physical Review Letters, 2011, 107, 176809.	7.9	70
77	Effective mass and spin susceptibility of dilute two-dimensional holes in GaAs. Physical Review B, 2011, 84, .	3.2	15
78	Stability of the $\nu = 3$ fractional quantum Hall states. Physical Review B, 2011, 84, .	3.2	17
79	Reentrant $\nu = 1$ Quantum Hall State in a Two-Dimensional Hole System. Physical Review Letters, 2011, 107, 176810.	7.9	8
80	Temperature dependence of piezoresistance of composite Fermions with a valley degree of freedom. Solid State Communications, 2010, 150, 1165-1168.	1.9	2
81	Transference of transport anisotropy to composite fermions. Nature Physics, 2010, 6, 621-624.	16.8	53
82	Ferromagnetic Fractional Quantum Hall States in a Valley-Degenerate Two-Dimensional Electron System. Physical Review Letters, 2010, 104, 016805.	7.9	31
83	Density and strain dependence of $\nu = 1$ energy gap in a valley-degenerate AlAs quantum well. Physical Review B, 2010, 81, .	3.2	9
84	Contrast between spin and valley degrees of freedom. Physical Review B, 2010, 81, .	3.2	23
85	Fractional Quantum Hall Effect at High Fillings in a Two-Subband Electron System. Physical Review Letters, 2010, 105, 246805.	7.9	23
86	Composite fermion valley polarization energies: Evidence for particle-hole asymmetry. Physical Review B, 2010, 81, .	3.2	26
87	Density dependence of valley polarization energy for composite fermions. Physical Review B, 2009, 80, .	3.2	34
88	Correlated States of Electrons in Wide Quantum Wells at Low Fillings: The Role of Charge Distribution Symmetry. Physical Review Letters, 2009, 103, 046805.	7.9	31
89	Giant frictional drag in strongly interacting bilayers near filling factor one. Physical Review B, 2009, 79, .	3.2	10
90	Effective mass suppression in a ferromagnetic two-dimensional electron liquid. Physical Review B, 2009, 79, .	3.2	15

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91	Guideline for Developing Fractional Quantum Hall States at Even Denominator $\nu = 2n/(2n+1)$ and $\nu = 2n/(2n-1)$ Fillings in Asymmetric Wide Quantum Wells. <i>Physical Review Letters</i> , 2009, 103, 256802.	7.9	38
92	Spin-orbit interaction and transport in GaAs two-dimensional holes. <i>Semiconductor Science and Technology</i> , 2009, 24, 064002.	2.0	23
93	Valley susceptibility of interacting electrons and composite fermions. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 986-989.	2.8	3
94	Spin susceptibility and effective mass of two-dimensional electrons in MgSi . <i>Physical Review B</i> , 2008, 78, .	3.2	56
95	Spin orientation of holes in quantum wells. <i>Semiconductor Science and Technology</i> , 2008, 23, 114017.	2.0	63
96	High-quality quantum point contact in two-dimensional GaAs (311)A hole system. <i>Applied Physics Letters</i> , 2008, 93, .	3.4	5
97	Parallel magnetic-field tuning of valley splitting in AlAs two-dimensional electrons. <i>Physical Review B</i> , 2008, 78, .	3.2	11
98	Enhancement of valley susceptibility upon complete spin polarization. <i>Physical Review B</i> , 2008, 78, .	3.2	6
99	Dependence of Effective Mass on Spin and Valley Degrees of Freedom. <i>Physical Review Letters</i> , 2008, 101, 146405.	7.9	10
100	Strain-Induced Fermi Contour Anisotropy of GaAs 2D holes. <i>Physical Review Letters</i> , 2008, 100, 096803.	7.9	11
101	In-plane magnetic-field-induced metal-insulator transition in (311)A GaAs two-dimensional hole systems probed by thermopower. <i>Physical Review B</i> , 2007, 76, .	3.2	9
102	Strong Aharonov-Bohm oscillations in GaAs two-dimensional holes. <i>Applied Physics Letters</i> , 2007, 90, 152104.	3.4	19
103	Dephasing time of two-dimensional holes in GaAs open quantum dots: Magnetotransport measurements. <i>Physical Review B</i> , 2007, 75, .	3.2	6
104	Valley Polarization and Susceptibility of Composite Fermions around a Filling Factor $\nu = 3/2$. <i>Physical Review Letters</i> , 2007, 98, 266404.	7.9	67
105	Tuning of the spin-orbit interaction in two-dimensional GaAs holes via strain. <i>Physical Review B</i> , 2007, 75, .	3.2	21
106	Pinning Modes and Interlayer Correlation in High-Magnetic-Field Bilayer Wigner Solids. <i>Physical Review Letters</i> , 2007, 99, 136804.	7.9	14
107	Spin susceptibility of interacting two-dimensional electrons with anisotropic effective mass. <i>Physical Review B</i> , 2007, 76, .	3.2	26
108	QUANTUM HALL EFFECT IN A MULTI-VALLEY TWO-DIMENSIONAL ELECTRON SYSTEM. <i>International Journal of Modern Physics B</i> , 2007, 21, 1388-1397.	2.0	8

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109	NMR study of large skyrmions in $\text{Al}_{0.13}\text{Ga}_{0.87}\text{As}$ quantum wells. <i>Physical Review B</i> , 2007, 76, .	3.2	10
110	Charge neutral counterflow transport at filling factor 1 in GaAs hole bilayers. <i>Solid State Communications</i> , 2007, 144, 405-408.	1.9	5
111	Spin-valley phase diagram of the two-dimensional metal-insulator transition. <i>Nature Physics</i> , 2007, 3, 388-391.	16.8	39
112	Zeeman splitting of interacting two-dimensional electrons with two effective masses. <i>Solid State Communications</i> , 2006, 140, 285-288.	1.9	2
113	Valley Susceptibility of an Interacting Two-Dimensional Electron System. <i>Physical Review Letters</i> , 2006, 97, 186404.	7.9	261
114	FLATLAND ELECTRONS IN HIGH MAGNETIC FIELDS. , 2006, , 31-60.		11
115	Bilayer counterflow transport at filling factor 1 in the strong interacting regime. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2006, 34, 11-15.	2.8	2
116	Coulomb drag experiments in low density 2D hole bilayers. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2006, 34, 63-68.	2.8	0
117	Spin-dependent resistivity and quantum Hall ferromagnetism in two-dimensional electrons confined to AlAs quantum wells. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2006, 34, 89-92.	2.8	3
118	Thermopower evidence for Wigner crystallization in the insulating phase of two-dimensional GaAs bilayer hole systems. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2006, 34, 120-123.	2.8	1
119	Stability of charged impurities in a coupled single electron transistor and antidot system. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2006, 34, 187-190.	2.8	0
120	Two-dimensional electrons occupying multiple valleys in AlAs. <i>Physica Status Solidi (B): Basic Research</i> , 2006, 243, 3629-3642.	1.6	109
121	Dependence of Persistent Gaps at Landau Level Crossings on Relative Spin. <i>Physical Review Letters</i> , 2006, 97, 116803.	7.9	8
122	High-mobility AlAs quantum wells with out-of-plane valley occupation. <i>Applied Physics Letters</i> , 2006, 89, 172118.	3.4	11
123	Quantized conductance in an AlAs two-dimensional electron system quantum point contact. <i>Physical Review B</i> , 2006, 74, .	3.2	60
124	Interaction and disorder in bilayer counterflow transport at filling-factor one. <i>Physical Review B</i> , 2005, 72, .	3.2	13
125	Observation of Quantum Hall Valley Skyrmions. <i>Physical Review Letters</i> , 2005, 95, 066809.	7.9	65
126	Orbital effect, subband depopulation, and conductance fluctuations in ballistic quantum dots under a tilted magnetic field. <i>Physical Review B</i> , 2005, 71, .	3.2	4

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127	Coulomb drag near the metal-insulator transition in two dimensions. Physical Review B, 2005, 71, .	3.2	21
128	Spin-Dependent Resistivity at Transitions between Integer Quantum Hall States. Physical Review Letters, 2005, 94, 176402.	7.9	17
129	Anomalous spin polarization of GaAs two-dimensional hole systems. Physical Review B, 2005, 72, .	3.2	40
130	COUNTERFLOW MEASUREMENTS IN GaAs HOLE BILAYERS: POSSIBLE EVIDENCE FOR EXCITONIC CONDENSATION. , 2005, , .		0
131	Realization of an Interacting Two-Valley AlAs Bilayer System. Physical Review Letters, 2004, 92, 186404.	7.9	12
132	Dependence of Spin Susceptibility of a Two-Dimensional Electron System on the Valley Degree of Freedom. Physical Review Letters, 2004, 92, 246804.	7.9	45
133	A hybrid Al _{0.10} Ga _{0.90} As/AlAs bilayer electron system with tunable g-factor. Applied Physics Letters, 2004, 84, 3837-3839.	3.4	7
134	Negative differential Rashba effect in two-dimensional hole systems. Applied Physics Letters, 2004, 85, 3151-3153.	3.4	29
135	Spin Susceptibility of Two-Dimensional Electrons in Narrow AlAs Quantum Wells. Physical Review Letters, 2004, 92, 226401.	7.9	93
136	Laterally Modulated 2D Electron System in the Extreme Quantum Limit. Physical Review Letters, 2004, 92, 036802.	7.9	47
137	Insulating behavior of dilute two-dimensional holes in GaAs under an in-plane magnetic field. Physical Review B, 2004, 70, .	3.2	1
138	COUNTERFLOW MEASUREMENTS IN GaAs HOLE BILAYERS: POSSIBLE EVIDENCE FOR EXCITONIC CONDENSATION. International Journal of Modern Physics B, 2004, 18, 3685-3692.	2.0	2
139	Interacting GaAs bilayer hole systems with layer density imbalance. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 22, 32-35.	2.8	0
140	Frictional drag between dilute two-dimensional hole systems. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 22, 300-303.	2.8	4
141	Giant low-temperature piezoresistance effect in AlAs two-dimensional electrons. Applied Physics Letters, 2004, 85, 3766-3768.	3.4	27
142	Ballistic Electron Transport in AlAs Quantum Wells. Physical Review Letters, 2004, 93, 246603.	7.9	35
143	Counterflow Measurements in Strongly Correlated GaAs Hole Bilayers: Evidence for Electron-Hole Pairing. Physical Review Letters, 2004, 93, 036802.	7.9	273
144	Magnetism and pseudo-magnetism in quantum Hall systems. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 20, 123-132.	2.8	4

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145	Evidence for universal conductance fluctuations in an open quantum dot under a strictly parallel magnetic field. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003, 17, 154-155.	2.8	1
146	Low-temperature, in situ tunable, uniaxial stress measurements in semiconductors using a piezoelectric actuator. <i>Applied Physics Letters</i> , 2003, 83, 5235-5237.	3.4	81
147	Parallel magnetic-field-induced conductance fluctuations in one- and two-subband ballistic quantum dots. <i>Physical Review B</i> , 2003, 68, .	3.2	3
148	Critical Resistance in the AlAs Quantum Hall Ferromagnet. <i>Physical Review Letters</i> , 2003, 91, 216802.	7.9	18
149	In-Plane Magnetodrag between Dilute Two-Dimensional Systems. <i>Physical Review Letters</i> , 2003, 90, 226801.	7.9	19
150	Multiple interacting bilayer electron system: Magnetotransport and heat capacity measurements. <i>Physical Review B</i> , 2003, 68, .	3.2	2
151	Valley Splitting of AlAs Two-Dimensional Electrons in a Perpendicular Magnetic Field. <i>Physical Review Letters</i> , 2002, 89, 226805.	7.9	138
152	Aharonov-Bohm Oscillations with Spin: Evidence for Berry's Phase. <i>Physical Review Letters</i> , 2002, 88, 146801.	7.9	136
153	Enhanced electron mobility and high order fractional quantum Hall states in AlAs quantum wells. <i>Applied Physics Letters</i> , 2002, 80, 1583-1585.	3.4	60
154	QUANTUM HALL EFFECT IN AlAs 2D ELECTRON SYSTEMS. <i>International Journal of Modern Physics B</i> , 2002, 16, 2917-2922.	2.0	0
155	NMR Investigation of How Free Composite Fermions Are at $\nu=12$. <i>Physical Review Letters</i> , 2002, 89, 246804.	7.9	32
156	Hysteretic resistance spikes at transitions between quantum Hall ferromagnets in AlAs 2D electrons. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002, 12, 36-38.	2.8	3
157	Measurements of the effective g-factor in dilute GaAs 2D electrons. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002, 12, 420-423.	2.8	0
158	Anomalous giant Rashba spin splitting in two-dimensional hole systems. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002, 12, 428-431.	2.8	7
159	Aharonov-Bohm oscillations measured in GaAs two-dimensional holes: observation of Berry's phase. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002, 12, 758-761.	2.8	0
160	Evidence for spin-orbit effects in an open ballistic quantum dot. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002, 12, 833-836.	2.8	5
161	High-mobility electrons in modulation-doped AlAs quantum wells. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002, 13, 646-648.	2.8	4
162	Manifestation of Berry's phase in Aharonov-Bohm oscillations in a 2D system with spin-orbit interaction. <i>Microelectronic Engineering</i> , 2002, 63, 211-216.	2.4	0

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163	QUANTUM HALL EFFECT IN AlAs 2D ELECTRON SYSTEMS. , 2002, , .		0
164	In-Plane Magnetic Field-Induced Spin Polarization and Transition to Insulating Behavior in Two-Dimensional Hole Systems. Physical Review Letters, 2001, 86, 2858-2861.	7.9	99
165	Anomalous Shubnikov-de Haas oscillations in two-dimensional systems. Physica B: Condensed Matter, 2001, 298, 13-17.	2.7	2
166	Spin-splitting in GaAs two-dimensional holes. Physica E: Low-Dimensional Systems and Nanostructures, 2001, 9, 31-39.	2.8	14
167	Highly anisotropic Zeeman splitting of two-dimensional hole systems. Physica E: Low-Dimensional Systems and Nanostructures, 2001, 10, 62-66.	2.8	0
168	Spin polarization of two-dimensional electrons in GaAs quantum wells around Landau level filling $\nu=1$ from NMR measurements of gallium nuclei. Physical Review B, 2001, 64, .	3.2	13
169	New Phase Transition between Partially and Fully Polarized Quantum Hall States with Charge and Spin Gaps at $\nu=23$. Physical Review Letters, 2001, 87, 136801.	7.9	49
170	The effect of Zeeman energy on heat capacity of GaAs/AlGaAs heterostructures near $\nu=1$. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 6, 52-55.	2.8	0
171	Anisotropic transport of two-dimensional holes in high Landau levels. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 6, 40-42.	2.8	46
172	Tunable $B=0$ spin-splitting and its effect on the metallic behavior of GaAs two-dimensional holes. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 6, 284-287.	2.8	4
173	Highly anisotropic commensurability oscillations in two-dimensional holes at the GaAs/AlGaAs A interface. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 6, 453-456.	2.8	1
174	Study of universality at integer quantum Hall transitions. Journal of Physics Condensed Matter, 2000, 12, 5343-5360.	1.8	8
175	Parallel Magnetic Field Induced Transition in Transport in the Dilute Two-Dimensional Hole System in GaAs. Physical Review Letters, 2000, 84, 4421-4424.	7.9	117
176	Microwave resonance and weak pinning in two-dimensional hole systems at high magnetic fields. Physical Review B, 2000, 61, 10905-10909.	3.2	49
177	Confinement symmetry, mobility anisotropy, and metallic behavior in (311)A GaAs two-dimensional holes. Physical Review B, 2000, 62, 15375-15378.	3.2	6
178	NMR Determination of 2D Electron Spin Polarization at $\nu=1/2$. Physical Review Letters, 2000, 84, 354-357.	7.9	84
179	Anomalous Magneto-Oscillations in Two-Dimensional Systems. Physical Review Letters, 2000, 84, 713-716.	7.9	38
180	Large skyrmions in an Al _{0.13} Ga _{0.87} As quantum well. Physical Review B, 2000, 61, 4469-4472.	3.2	29

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181	Resistance Spikes at Transitions Between Quantum Hall Ferromagnets. , 2000, 290, 1546-1549.		148
182	Topographic Mapping of the Quantum Hall Liquid Using a Few-Electron Bubble. Science, 2000, 289, 90-94.	12.8	109
183	Highly Anisotropicg-Factor of Two-Dimensional Hole Systems. Physical Review Letters, 2000, 85, 4574-4577.	7.9	100
184	Anomalous Thermopower in the Metalliclike Phase of a 2D Hole System. Physical Review Letters, 2000, 85, 4369-4372.	7.9	16
185	Anisotropic Magnetoresistance of Two-Dimensional Holes in GaAs. Physical Review Letters, 2000, 84, 5592-5595.	7.9	71
186	Semicircle: An exact relation in the integer and fractional quantum Hall effect. Europhysics Letters, 1999, 46, 775-779.	2.1	34
187	Heat Capacity Evidence for the Suppression of Skyrmions at Large Zeeman Energy. Physical Review Letters, 1999, 82, 2764-2767.	7.9	37
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