Mansour Shayegan

List of Publications by Year
in descending order

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358 papers	12,031 citations	23567 58 h-index	45317 90 g-index
360 all docs	360 docs citations	360 times ranked	4159 citing authors

#	Article	IF	Citations
1	Observation of a Î½=1/2 fractional quantum Hall state in a double-layer electron system. Physical Review Letters, 1992, 68, 1379-1382.	7.8	375
2	Evidence for two-dimentional quantum Wigner crystal. Physical Review Letters, 1990, 65, 2189-2192.	7.8	329
3	Counterflow Measurements in Strongly Correlated GaAs Hole Bilayers: Evidence for Electron-Hole Pairing. Physical Review Letters, 2004, 93, 036802.	7.8	273
4	Valley Susceptibility of an Interacting Two-Dimensional Electron System. Physical Review Letters, 2006, 97, 186404.	7.8	261
5	Structural characterization of ion-implanted graphite. Physical Review B, 1982, 25, 4142-4156.	3.2	182
6	Observation of a reentrant insulating phase near the 1/3 fractional quantum Hall liquid in a two-dimensional hole system. Physical Review Letters, 1992, 68, 1188-1191.	7.8	156
7	Wigner Crystallization and Metal-Insulator Transition of Two-Dimensional Holes in GaAs atB=0. Physical Review Letters, 1999, 82, 1744-1747.	7.8	156
8	Resistance Spikes at Transitions Between Quantum Hall Ferromagnets. , 2000, 290, 1546-1549.		148
9	Tunable Spin-Splitting and Spin-Resolved Ballistic Transport in GaAs/AlGaAs Two-Dimensional Holes. Physical Review Letters, 1998, 81, 1282-1285.	7.8	146
10	The Effect of Spin Splitting on the Metallic Behavior of a Two-Dimensional System. Science, 1999, 283, 2056-2058.	12.6	142
11	Fractional quantum Hall effect at Î½=2/3 and 3/5 in tilted magnetic fields. Physical Review B, 1992, 45, 3418-3425.	3.2	141
12	Valley Splitting of AlAs Two-Dimensional Electrons in a Perpendicular Magnetic Field. Physical Review Letters, 2002, 89, 226805.	7.8	138
13	Resistance fluctuations in narrow AlGaAs/GaAs heterostructures: Direct evidence of fractional charge in the fractional quantum hall effect. Physical Review Letters, 1989, 63, 1731-1734.	7.8	137
14	Universal Conductivity at the Quantum Hall Liquid to Insulator Transition. Physical Review Letters, 1995, 74, 4511-4514.	7.8	137
15	Aharonov-Bohm Oscillations with Spin: Evidence for Berryâ€™s Phase. Physical Review Letters, 2002, 88, 146801.	7.8	136
16	Noise characteristics of double-barrier resonant-tunneling structures below 10 kHz. Physical Review B, 1990, 41, 8388-8391.	3.2	129
17	Evidence for the Fractional Quantum Hall State atÎ½=17. Physical Review Letters, 1988, 61, 881-884.	7.8	126
18	Realization of a quasiâ€threeâ€dimensional modulationâ€doped semiconductor structure. Applied Physics Letters, 1988, 53, 791-793.	3.3	123

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19	Low-frequency noise in the reentrant insulating phase around the 1/5 fractional quantum Hall liquid. Physical Review Letters, 1991, 67, 1630-1633.	7.8	120
20	Giant Low Temperature Heat Capacity of GaAs Quantum Wells near Landau Level FillingÎ½=1. Physical Review Letters, 1996, 76, 4584-4587.	7.8	118
21	Parallel Magnetic Field Induced Transition in Transport in the Dilute Two-Dimensional Hole System in GaAs. Physical Review Letters, 2000, 84, 4421-4424.	7.8	117
22	Signatures of a Novel Fermi Liquid in a Two-Dimensional Composite Particle Metal. Physical Review Letters, 1994, 73, 3270-3273.	7.8	116
23	Origin of the Î½=1/2 fractional quantum Hall state in wide single quantum wells. Physical Review Letters, 1994, 72, 3405-3408.	7.8	115
24	Topographic Mapping of the Quantum Hall Liquid Using a Few-Electron Bubble. Science, 2000, 289, 90-94.	12.6	109
25	Two-dimensional electrons occupying multiple valleys in AlAs. Physica Status Solidi (B): Basic Research, 2006, 243, 3629-3642.	1.5	109
26	Highly Anisotropicg-Factor of Two-Dimensional Hole Systems. Physical Review Letters, 2000, 85, 4574-4577.	7.8	100
27	Missing integral quantum Hall effect in a wide single quantum well. Physical Review B, 1991, 44, 5947-5950.	3.2	99
28	In-Plane Magnetic Field-Induced Spin Polarization and Transition to Insulating Behavior in Two-Dimensional Hole Systems. Physical Review Letters, 2001, 86, 2858-2861.	7.8	99
29	High-magnetic-field electronic phase transition in graphite observed by magnetoresistance anomaly. Physical Review B, 1982, 25, 5478-5485.	3.2	97
30	Evidence for Charge-Flux Duality near the Quantum Hall Liquid-to-Insulator Transition. Science, 1996, 274, 589-592.	12.6	96
31	Spin Susceptibility of Two-Dimensional Electrons in Narrow AlAs Quantum Wells. Physical Review Letters, 2004, 92, 226401.	7.8	93
32	Fractional quantum Hall effect in very-low-density GaAs/AlxGa1â^'xAs heterostructures. Physical Review B, 1990, 41, 8449-8460.	3.2	92
33	Magnetoplasma effects in a quasi-three-dimensional electron gas. Physical Review B, 1989, 39, 1426-1429.	3.2	91
34	Phonon Emission from a 2D Electron Gas: Evidence of Transition to the Hydrodynamic Regime. Physical Review Letters, 1996, 77, 1143-1146.	7.8	91
35	Apparent metallic behavior atB=0of a two-dimensional electron system in AlAs. Physical Review B, 1998, 57, R15068-R15071.	3.2	88
36	A Different View of the Quantum Hall Plateau-to-Plateau Transitions. Physical Review Letters, 1997, 79, 479-482.	7.8	87

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37	Observation of Quantum Fluctuations of Charge on a Quantum Dot. Physical Review Letters, 1999, 82, 161-164.	7.8	87
38	NMR Determination of 2D Electron Spin Polarization atÎ½=1/2. Physical Review Letters, 2000, 84, 354-357.	7.8	84
39	Evidence for a Bilayer Quantum Wigner Solid. Physical Review Letters, 1996, 77, 1813-1816.	7.8	82
40	Low-temperature, in situ tunable, uniaxial stress measurements in semiconductors using a piezoelectric actuator. Applied Physics Letters, 2003, 83, 5235-5237.	3.3	81
41	Magnetic Anisotropy in Quantum Hall Ferromagnets. Physical Review Letters, 1998, 81, 2328-2331.	7.8	80
42	Ultra-high-quality two-dimensional electron systems. Nature Materials, 2021, 20, 632-637.	27.5	76
43	Resonant tunneling in submicron doubleâ€barrier heterostructures. Applied Physics Letters, 1991, 58, 747-749.	3.3	75
44	Critical exponent in the fractional quantum Hall effect. Surface Science, 1990, 229, 13-15.	1.9	74
45	Resistance fluctuations in the integral- and fractional-quantum-Hall-effect regimes. Physical Review B, 1991, 44, 12933-12944.	3.2	72
46	Effect of substrate temperature on migration of Si in planarâ€doped GaAs. Applied Physics Letters, 1988, 53, 2504-2506.	3.3	71
47	Anisotropic Magnetoresistance of Two-Dimensional Holes in GaAs. Physical Review Letters, 2000, 84, 5592-5595.	7.8	71
48	Imaging of Coulomb-Driven Quantum Hall Edge States. Physical Review Letters, 2011, 107, 176809.	7.8	70
49	Valley Polarization and Susceptibility of Composite Fermions around a Filling FactorÎ½=32. Physical Review Letters, 2007, 98, 266404.	7.8	67
50	Growth of lowâ€density twoâ€dimensional electron system with very high mobility by molecular beam epitaxy. Applied Physics Letters, 1988, 52, 1086-1088.	3.3	65
51	Observation of Quantum Hall â€œValley Skyrmionsâ€. Physical Review Letters, 2005, 95, 066809.	7.8	65
52	Spin orientation of holes in quantum wells. Semiconductor Science and Technology, 2008, 23, 114017.	2.0	63
53	Universality of the Hall effect in a magnetic-field-localized two-dimensional electron system. Physical Review Letters, 1993, 70, 647-650.	7.8	62
54	Microwave Conductivity Resonance of Two-Dimensional Hole System. Physical Review Letters, 1997, 79, 1353-1356.	7.8	62

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55	Voltage tunable quantum well infrared detector. Applied Physics Letters, 1989, 55, 2417-2419.	3.3	61
56	Mobility anisotropy of twoâ€dimensional hole systems in (311)A GaAs/AlxGa1â^'xAs heterojunctions. Journal of Applied Physics, 1994, 76, 1980-1982.	2.5	60
57	Enhanced electron mobility and high order fractional quantum Hall states in AlAs quantum wells. Applied Physics Letters, 2002, 80, 1583-1585.	3.3	60
58	â€‡â€‡Quantized conductance in an AlAs two-dimensional electron system quantum point contact. Physical Review B, 2006, 74, .	3.2	60
59	What Determines the Fermi Wave Vector of Composite Fermions?. Physical Review Letters, 2014, 113, 196801.	7.8	59
60	Collapse of the fractional quantum Hall effect in an electron system with large layer thickness. Physical Review Letters, 1990, 65, 2916-2919.	7.8	57
61	Effect of Landau-level mixing on quantum-liquid and solid states of two-dimensional hole systems. Physical Review B, 1992, 46, 13639-13642.	3.2	57
62	Magnetic Field Symmetry Properties of the Capacitance Tensor of a Two-Dimensional Electron System. Physical Review Letters, 1994, 73, 146-149.	7.8	57
63	Hall resistance of the reentrant insulating phase around the 1/5 fractional quantum Hall liquid. Physical Review Letters, 1993, 70, 2321-2324.	7.8	56
64	Spin susceptibility and effective mass of two-dimensional electrons in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Mg</mml:mtext></mml:mrow><mml:mi>x</mml:mi></mml:msub> Physical Review B, 2008, 78, .	3.2	56
65	Transference of transport anisotropy to composite fermions. Nature Physics, 2010, 6, 621-624.	16.7	53
66	Observation of a metastable precursor for adsorption of oxygen on Si(111) and the activation energy for chemisorption. Physical Review B, 1988, 37, 10432-10435.	3.2	51
67	Observation of magnetic focusing in twoâ€dimensional hole systems. Applied Physics Letters, 1992, 61, 1652-1654.	3.3	51
68	Highâ€quality twoâ€dimensional electron system confined in an AlAs quantum well. Applied Physics Letters, 1993, 62, 3120-3122.	3.3	50
69	Collective cyclotron resonance in a quasi-three-dimensional electron gas. Physical Review B, 1989, 40, 12020-12023.	3.2	49
70	Use of superlattices to realize inverted GaAs/AlGaAs heterojunctions with lowâ€temperature mobility of 2Ã—106cm2/Vâ€‰s. Applied Physics Letters, 1989, 54, 840-842.	3.3	49
71	Anomalous temperature dependence of the correlated Î½=1 quantum Hall effect in bilayer electron systems. Physical Review B, 1994, 50, 17725-17728.	3.2	49
72	Microwave resonance and weak pinning in two-dimensional hole systems at high magnetic fields. Physical Review B, 2000, 61, 10905-10909.	3.2	49

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73	New Phase Transition between Partially and Fully Polarized Quantum Hall States with Charge and Spin Gaps atÎ½=23. Physical Review Letters, 2001, 87, 136801.	7.8	49
74	Correlated states of an electron system in a wide quantum well. Physical Review Letters, 1992, 69, 3551-3554.	7.8	48
75	Experimental evidence for finite-width edge channels in integer and fractional quantum Hall effects. Physical Review B, 1993, 48, 8161-8165.	3.2	47
76	Laterally Modulated 2D Electron System in the Extreme Quantum Limit. Physical Review Letters, 2004, 92, 036802.	7.8	47
77	Composite Fermions with Tunable Fermi Contour Anisotropy. Physical Review Letters, 2013, 110, 206801.	7.8	47
78	Magnetic-field-induced localization in narrow-gap semiconductorsHg1âˆ’xCdxTe and InSb. Physical Review B, 1988, 38, 5585-5602.	3.2	46
79	Heat-capacity study of two-dimensional electrons in GaAs/AlxGa1âˆ’xAs multiple-quantum-well structures in high magnetic fields: Spin-split Landau levels. Physical Review B, 1992, 45, 4384-4389.	3.2	46
80	Wigner crystal versus Hall insulator. Physical Review B, 1994, 50, 17662-17665.	3.2	46
81	Anisotropic transport of two-dimensional holes in high Landau levels. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 6, 40-42.	2.7	46
82	Magnetostriction of bismuth in quantizing magnetic fields. Physical Review B, 1982, 26, 2552-2559.	3.2	45
83	Secondaryâ€ion mass spectrometry study of the migration of Si in planarâ€doped GaAs and Al0.25Ga0.75As. Applied Physics Letters, 1989, 55, 1445-1447.	3.3	45
84	Critical Behavior of Nuclear-Spin Diffusion in GaAs/AlGaAs Heterostructures near Landau Level FillingÎ½=1. Physical Review Letters, 1997, 79, 1718-1721.	7.8	45
85	Dependence of Spin Susceptibility of a Two-Dimensional Electron System on the Valley Degree of Freedom. Physical Review Letters, 2004, 92, 246804.	7.8	45
86	Evidence for a<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î½</mml:mi><mml:mo>=</mml:mo><mml:mn>5</mml:mn><mml:mo>/</mml:mo><mml:mn>2</mml:mn></mml:mrow></mml:math> quantum Hall nematic state in parallel magnetic fields. Physical Review B, 2013, 88, .	3.2	45
87	Observation of Impurity Cyclotron Resonance inHg1âˆ’xCdxTe. Physical Review Letters, 1986, 56, 968-971.	7.8	43
88	One-component to two-component transition of theÎ½=2/3fractional quantum Hall effect in a wide quantum well induced by an in-plane magnetic field. Physical Review B, 1997, 56, R7092-R7095.	3.2	43
89	On the nature of the Hall insulator. Solid State Communications, 1997, 102, 817-821.	1.9	43
90	Commensurability Oscillations of Composite Fermions Induced by the Periodic Potential of a Wigner Crystal. Physical Review Letters, 2016, 117, 096601.	7.8	41

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91	Subband structure of a nearly free, uniform-density, dilute electron system in a wide quantum well. Physical Review B, 1989, 39, 10464-10466.	3.2	40
92	Transport in transverse magnetic fields in resonant tunneling structures. Physical Review B, 1990, 42, 1374-1380.	3.2	40
93	Anomalous spin polarization of GaAs two-dimensional hole systems. Physical Review B, 2005, 72, .	3.2	40
94	Precursor Adsorption of Oxygen on Ni(111) and the Activation Energy for Chemisorption. Physical Review Letters, 1984, 53, 1578-1581.	7.8	39
95	Electron states of a wide quantum well in a tilted magnetic field. Physical Review B, 1989, 40, 3476-3479.	3.2	39
96	Current-voltage discontinuities in high-quality two-dimensional electron systems at low Landau-level filling factors. Physical Review B, 1989, 40, 6432-6435.	3.2	39
97	Spinâ€“valley phase diagram of the two-dimensional metalâ€“insulator transition. Nature Physics, 2007, 3, 388-391.	16.7	39
98	Quantitative determination of many-body-induced interlayer charge transfer in bilayer electron systems via Shubnikovâ€“de Haas measurements. Physical Review B, 1995, 52, R11611-R11614.	3.2	38
99	Anomalous Magneto-Oscillations in Two-Dimensional Systems. Physical Review Letters, 2000, 84, 713-716.	7.8	38
100	Evidence for Developing Fractional Quantum Hall States at Even Denominator<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>1</mml:mn><mml:mo>/</mml:mo><mml:mn>2</mml:mn></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>1</mml:mn><mml:mo>/</mml:mo><mml:mn>4</mml:mn></mml:math>Fillings in Asymmetric Wide Quantum Wells. Physical Review Letters, 2009, 103, 256802.	7.8	38
101	High quality electron system with variable electron layer thickness in a parabolic quantum well. Applied Physics Letters, 1989, 55, 1430-1432.	3.3	37
102	Observation of composite-fermion thermopower at half-filled Landau levels. Physical Review B, 1994, 50, 4969-4972.	3.2	37
103	Heat Capacity Evidence for the Suppression of Skyrmions at Large Zeeman Energy. Physical Review Letters, 1999, 82, 2764-2767.	7.8	37
104	Magnetotunneling in double-barrier heterostructures. Physical Review B, 1989, 40, 9829-9833.	3.2	36
105	Formation of interfaces between In and Au and GaAs(100) studied with soft-x-ray photoemission spectroscopy. Physical Review B, 1992, 45, 1273-1283.	3.2	36
106	Magnetoâ€optical absorption in a twoâ€dimensional electron grid. Applied Physics Letters, 1992, 60, 1510-1512.	3.3	35
107	Resistance oscillation in wide single quantum wells subject to in-plane magnetic fields. Physical Review B, 1997, 56, 1029-1032.	3.2	35
108	Ballistic Electron Transport in AlAs Quantum Wells. Physical Review Letters, 2004, 93, 246603.	7.8	35

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109	Phase diagrams for the stability of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î½</mml:mi><mml:mo>=</mml:mo><mml:mfrac><mml:mn>1</mml:mn><mml:mn>2</mml:mn></mml:m quantum Hall effect in electron systems confined to symmetric, wide GaAs quantum wells. Physical Review B, 2013, 88, .	3.2	35
110	Spontaneous Interlayer Charge Transfer near the Magnetic Quantum Limit. Physical Review Letters, 1997, 79, 2722-2725.	7.8	34
111	Semicircle: An exact relation in the integer and fractional quantum Hall effect. Europhysics Letters, 1999, 46, 775-779.	2.0	34
112	Density dependence of valley polarization energy for composite fermions. Physical Review B, 2009, 80, .	3.2	34
113	Fermi contour anisotropy of GaAs electron-flux composite fermions in parallel magnetic fields. Physical Review B, 2014, 89, .	3.2	34
114	Electron correlation effects on the magnetic-field-induced metal-insulator transition inHg0.79Cd0.21Te. Physical Review B, 1985, 31, 6123-6126.	3.2	33
115	Microwave resonances in low-filling insulating phase of two-dimensional electron system. Solid State Communications, 1997, 104, 167-171.	1.9	32
116	NMR Investigation of How Free Composite Fermions Are atÎ½=12. Physical Review Letters, 2002, 89, 246804.	7.8	32
117	Anomalous Hall Effect below the Magnetic-Field-Induced Metal-Insulator Transition in Narrow-Gap Semiconductors. Physical Review Letters, 1986, 57, 1056-1059.	7.8	31
118	Thermopower of composite fermions. Physical Review B, 1995, 52, R8621-R8624.	3.2	31
119	Correlated States of Electrons in Wide Quantum Wells at Low Fillings: The Role of Charge Distribution Symmetry. Physical Review Letters, 2009, 103, 046805.	7.8	31
120	Ferromagnetic Fractional Quantum Hall States in a Valley-Degenerate Two-Dimensional Electron System. Physical Review Letters, 2010, 104, 016805.	7.8	31
121	Spin polarization of composite fermions and particle-hole symmetry breaking. Physical Review B, 2014, 90, .	3.2	31
122	Anomalous cyclotron-resonance line splitting of two-dimensional holes in (311)AAlxGa1â^'xAs/GaAs heterojunctions. Physical Review B, 1993, 47, 4076-4079.	3.2	30
123	Optimally designed potentials for control of electron-wave scattering in semiconductor nanodevices. Physical Review B, 1994, 49, 11100-11110.	3.2	30
124	Magnetic-field-induced localization in InSb andHg0.79Cd0.21Te. Physical Review B, 1985, 32, 6952-6955.	3.2	29
125	Large skyrmions in anAl0.13Ga0.87Asquantum well. Physical Review B, 2000, 61, 4469-4472.	3.2	29
126	Negative differential Rashba effect in two-dimensional hole systems. Applied Physics Letters, 2004, 85, 3151-3153.	3.3	29

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127	Commensurability Oscillations of Hole-Flux Composite Fermions. Physical Review Letters, 2012, 109, 236401.	7.8	29
128	Anomalous Robustness of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î½</mml:mi><mml:mo>=</mml:mo><mml:mn>5</mml:mn><mml:mo>/</mml:mo><mml:mn>2</mml:mn><mml:mo><</mml:mo> Quantum Hall State near a Sharp Phase Boundary. Physical Review Letters, 2011, 107, 176805.	7.8	28
129	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.	7.1	28
130	Magnetorotons in quasi-three-dimensional electron systems. Physical Review Letters, 1991, 67, 3428-3431.	7.8	27
131	Giant low-temperature piezoresistance effect in AlAs two-dimensional electrons. Applied Physics Letters, 2004, 85, 3766-3768.	3.3	27
132	Fractional Quantum Hall Effect at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î½</mml:mi><mml:mo>=</mml:mo><mml:mn>1</mml:mn><mml:mo>/</mml:mo><mml:mn>2</mml:mn><mml:mo><</mml:mo> Hole Systems Confined to GaAs Quantum Wells. Physical Review Letters, 2014, 112, 046804.	7.8	27
133	Transference of Fermi Contour Anisotropy to Composite Fermions. Physical Review Letters, 2017, 119, 016402.	7.8	27
134	Precursor adsorption of CO on Ni(111) near 5 K and the activation energy for chemisorption. Surface Science, 1985, 154, L239-L246.	1.9	26
135	Optical evidence for the impurity band nature of the metal-insulator transition in GaAs. Solid State Communications, 1988, 66, 23-27.	1.9	26
136	Resonant tunneling of twoâ€dimensional electrons into oneâ€dimensional subbands of a quantum wire. Applied Physics Letters, 1991, 58, 1440-1442.	3.3	26
137	Quantum interference in two independently tunable parallel point contacts. Physical Review B, 1991, 44, 13497-13503.	3.2	26
138	Spin susceptibility of interacting two-dimensional electrons with anisotropic effective mass. Physical Review B, 2007, 76, .	3.2	26
139	Composite fermion valley polarization energies: Evidence for particle-hole asymmetry. Physical Review B, 2010, 81, .	3.2	26
140	Fractional Quantum Hall Effect and Wigner Crystal of Interacting Composite Fermions. Physical Review Letters, 2014, 113, 246803.	7.8	26
141	Even-denominator fractional quantum Hall effect at a Landau level crossing. Physical Review B, 2014, 89, .	3.2	26
142	Thermoelectric properties of a dilute graphite donor intercalation compound. Physics Letters, Section A: General, Atomic and Solid State Physics, 1981, 84, 387-389.	2.1	25
143	Twoâ€dimensional electron system with extremely low disorder. Applied Physics Letters, 1988, 53, 2080-2082.	3.3	25
144	Novel superlattice in a selectively doped wide parabolic quantum well with a modulated potential. Applied Physics Letters, 1990, 57, 2130-2132.	3.3	25

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145	Nature of the extended states in the fractional quantum Hall effect. Physical Review Letters, 1990, 65, 907-910.	7.8	25
146	Thermopower in the Re-entrant Insulating Phase of a Two-Dimensional Hole System. Europhysics Letters, 1994, 25, 613-618.	2.0	24
147	Charge transfer at double-layer to single-layer transition in double-quantum-well systems. Physical Review B, 1995, 52, 14817-14824.	3.2	24
148	Anomalous spin splitting of two-dimensional electrons in an AlAs quantum well. Physical Review B, 1999, 59, R12743-R12746.	3.2	24
149	Cyclotron effective mass in wide parabolic quantum wells. Physical Review B, 1990, 42, 9732-9735.	3.2	23
150	Many-electron excitons and Fermi-edge singularities in wide, parabolic (Al,Ga)As quantum wells. Physical Review B, 1992, 45, 8408-8412.	3.2	23
151	Spinâ€“orbit interaction and transport in GaAs two-dimensional holes. Semiconductor Science and Technology, 2009, 24, 064002.	2.0	23
152	Contrast between spin and valley degrees of freedom. Physical Review B, 2010, 81, .	3.2	23
153	Fractional Quantum Hall Effect at High Fillings in a Two-Subband Electron System. Physical Review Letters, 2010, 105, 246805.	7.8	23
154	Ballistic transport of (001) GaAs two-dimensional holes through a strain-induced lateral superlattice. Physical Review B, 2012, 85, .	3.2	23
155	Thermal and Quantum Melting Phase Diagrams for a Magnetic-Field-Induced Wigner Solid. Physical Review Letters, 2020, 125, 036601.	7.8	23
156	Magnetic properties of CoCl2-intercalated graphite. Synthetic Metals, 1983, 8, 35-42.	3.9	22
157	Experimental study ofÏƒxx(T) for quasiparticle charge determination in the fractional quantum Hall effect. Physical Review B, 1994, 49, 7400-7407.	3.2	22
158	Composite Fermions with a Warped Fermi Contour. Physical Review Letters, 2015, 114, 176805.	7.8	22
159	Fractional quantum Hall states at and. Surface Science, 1990, 229, 10-12.	1.9	21
160	Quantum Hall effect in a triple-layer electron system. Physical Review B, 1992, 46, 9776-9779.	3.2	21
161	Coulomb drag near the metal-insulator transition in two dimensions. Physical Review B, 2005, 71, .	3.2	21
162	Tuning of the spin-orbit interaction in two-dimensional GaAs holes via strain. Physical Review B, 2007, 75, .	3.2	21

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163	Direct Observation of Composite Fermions and Their Fully-Spin-Polarized Fermi Sea near <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î½</mml:mi><mml:mo>=</mml:mo><mml:mn>5</mml:mn><mml:mo stretchy="false">/</mml:mo><mml:mn>2</mml:mn></mml:math>. Physical Review Letters, 2018, 120, 256601.	7.8	21
164	Low-temperature heat capacity of magnetic graphite intercalation compounds. Physical Review B, 1983, 28, 4799-4809.	3.2	20
165	Migration of Si IN Î´-doped GaAs and Al Ga1 â^' As: Effect of substrate temperature. Surface Science, 1990, 228, 255-259.	1.9	20
166	Probing the Melting of a Two-Dimensional Quantum Wigner Crystal via its Screening Efficiency. Physical Review Letters, 2019, 122, 116601.	7.8	20
167	Electronic structure of graphite-alkali metal compounds. Synthetic Metals, 1980, 2, 321-329.	3.9	19
168	Initial stages of the reaction of oxygen with Si(1 0 0). Solid State Communications, 1991, 77, 735-738.	1.9	19
169	Correlated bilayer electron states. Semiconductor Science and Technology, 1996, 11, 1539-1545.	2.0	19
170	In-Plane Magnetodrag between Dilute Two-Dimensional Systems. Physical Review Letters, 2003, 90, 226801.	7.8	19
171	Strong Aharonov-Bohm oscillations in GaAs two-dimensional holes. Applied Physics Letters, 2007, 90, 152104.	3.3	19
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