

Vladimir Fal ko

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.

197
papers

25,967
citations

58
h-index

160
g-index

218
ext. papers

29,346
ext. citations

8.5
avg, IF

7.17
L-index

#	Paper	IF	Citations
197	Out-of-equilibrium criticalities in graphene superlattices.. <i>Science</i> , 2022 , 375, 430-433	33.3	1
196	Scattering between Minivalleys in Twisted Double Bilayer Graphene.. <i>Physical Review Letters</i> , 2022 , 128, 057702	7.4	0
195	Tunneling theory for a bilayer graphene quantum dot's single- and two-electron states. <i>New Journal of Physics</i> , 2022 , 24, 043003	2.9	0
194	Probing Two-Electron Multiplets in Bilayer Graphene Quantum Dots.. <i>Physical Review Letters</i> , 2021 , 127, 256802	7.4	3
193	Kondo effect and spin-orbit coupling in graphene quantum dots. <i>Nature Communications</i> , 2021 , 12, 6004	17.4	5
192	Ghost anti-crossings caused by interlayer umklapp hybridization of bands in 2D heterostructures. <i>2D Materials</i> , 2021 , 8, 015016	5.9	2
191	Superposition of intra- and inter-layer excitons in twistrionic MoSe ₂ /WSe ₂ bilayers probed by resonant Raman scattering. <i>2D Materials</i> , 2021 , 8, 035009	5.9	3
190	Electron transport in dual-gated three-layer MoS ₂ . <i>Physical Review Research</i> , 2021 , 3,	3.9	4
189	Multispectral Graphene-Based Electro-Optical Surfaces with Reversible Tunability from Visible to Microwave Wavelengths. <i>Nature Photonics</i> , 2021 , 15, 493-498	33.9	19
188	Weak ferroelectric charge transfer in layer-asymmetric bilayers of 2D semiconductors. <i>Scientific Reports</i> , 2021 , 11, 13422	4.9	6
187	Band energy landscapes in twisted homobilayers of transition metal dichalcogenides. <i>Applied Physics Letters</i> , 2021 , 118, 241602	3.4	5
186	Out-of-Plane Dielectric Susceptibility of Graphene in Twistrionic and Bernal Bilayers. <i>Nano Letters</i> , 2021 , 21, 6678-6683	11.5	6
185	Raman spectroscopy of GaSe and InSe post-transition metal chalcogenides layers. <i>Faraday Discussions</i> , 2021 , 227, 163-170	3.6	11
184	Tunable Valley Splitting and Bipolar Operation in Graphene Quantum Dots. <i>Nano Letters</i> , 2021 , 21, 10681-1073	10.73	13
183	Tunable van Hove singularities and correlated states in twisted monolayer/bilayer graphene. <i>Nature Physics</i> , 2021 , 17, 619-626	16.2	33
182	Piezoelectric networks and ferroelectric domains in twistrionic superlattices in WS ₂ /MoS ₂ and WSe ₂ /MoSe ₂ bilayers. <i>2D Materials</i> , 2021 , 8, 025030	5.9	13
181	Tunable spin-orbit coupling in two-dimensional InSe. <i>Physical Review B</i> , 2021 , 104,	3.3	2

180	Control of Giant Topological Magnetic Moment and Valley Splitting in Trilayer Graphene. <i>Physical Review Letters</i> , 2021 , 127, 136402	7.4	1
179	Multifaceted moiré superlattice physics in twisted WSe ₂ bilayers. <i>Physical Review B</i> , 2021 , 104,	3.3	2
178	Electronic Raman Scattering in Twistrionic Few-Layer Graphene. <i>Physical Review Letters</i> , 2020 , 125, 197401	7.4	3
177	Stacking Domains and Dislocation Networks in Marginally Twisted Bilayers of Transition Metal Dichalcogenides. <i>Physical Review Letters</i> , 2020 , 124, 206101	7.4	42
176	Control of electron-electron interaction in graphene by proximity screenings. <i>Nature Communications</i> , 2020 , 11, 2339	17.4	17
175	Quartet states in two-electron quantum dots in bilayer graphene. <i>Physical Review B</i> , 2020 , 101,	3.3	14
174	Tunable Valley Splitting due to Topological Orbital Magnetic Moment in Bilayer Graphene Quantum Point Contacts. <i>Physical Review Letters</i> , 2020 , 124, 126802	7.4	26
173	Engineering of the topological magnetic moment of electrons in bilayer graphene using strain and electrical bias. <i>Physical Review B</i> , 2020 , 101,	3.3	8
172	Ultra-thin van der Waals crystals as semiconductor quantum wells. <i>Nature Communications</i> , 2020 , 11, 125	17.4	22
171	Design of van der Waals interfaces for broad-spectrum optoelectronics. <i>Nature Materials</i> , 2020 , 19, 299-304	17.4	64
170	Atomic reconstruction in twisted bilayers of transition metal dichalcogenides. <i>Nature Nanotechnology</i> , 2020 , 15, 592-597	28.7	110
169	Broken mirror symmetry in excitonic response of reconstructed domains in twisted MoSe ₂ /MoSe ₂ bilayers. <i>Nature Nanotechnology</i> , 2020 , 15, 750-754	28.7	46
168	Long-range ballistic transport of Brown-Zak fermions in graphene superlattices. <i>Nature Communications</i> , 2020 , 11, 5756	17.4	10
167	Electronic phase separation in multilayer rhombohedral graphite. <i>Nature</i> , 2020 , 584, 210-214	50.4	31
166	Minibands in twisted bilayer graphene probed by magnetic focusing. <i>Science Advances</i> , 2020 , 6, eaay7838	14.3	8
165	Giant oscillations in a triangular network of one-dimensional states in marginally twisted graphene. <i>Nature Communications</i> , 2019 , 10, 4008	17.4	36
164	Indirect to Direct Gap Crossover in Two-Dimensional InSe Revealed by Angle-Resolved Photoemission Spectroscopy. <i>ACS Nano</i> , 2019 , 13, 2136-2142	16.7	40
163	Upconverted electroluminescence via Auger scattering of interlayer excitons in van der Waals heterostructures. <i>Nature Communications</i> , 2019 , 10, 2335	17.4	32

162	Resonantly hybridized excitons in moiré superlattices in van der Waals heterostructures. <i>Nature</i> , 2019 , 567, 81-86	50.4	367
161	Spectroscopic Signatures of Electronic Excitations in Raman Scattering in Thin Films of Rhombohedral Graphite. <i>Nano Letters</i> , 2019 , 19, 6152-6156	11.5	4
160	Dimensional reduction, quantum Hall effect and layer parity in graphite films. <i>Nature Physics</i> , 2019 , 15, 437-442	16.2	23
159	Composite super-moiré lattices in double-aligned graphene heterostructures. <i>Science Advances</i> , 2019 , 5, eaay8897	14.3	36
158	Films of rhombohedral graphite as two-dimensional topological semimetals. <i>Communications Physics</i> , 2019 , 2,	5.4	12
157	Excess resistivity in graphene superlattices caused by umklapp electron-electron scattering. <i>Nature Physics</i> , 2019 , 15, 32-36	16.2	25
156	Hybrid k_p tight-binding model for intersubband optics in atomically thin InSe films. <i>Physical Review B</i> , 2018 , 97,	3.3	13
155	Ballistic electron channels including weakly protected topological states in delaminated bilayer graphene. <i>Physical Review B</i> , 2018 , 97,	3.3	9
154	High-order fractal states in graphene superlattices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 5135-5139	11.5	37
153	Nano-imaging of intersubband transitions in van der Waals quantum wells. <i>Nature Nanotechnology</i> , 2018 , 13, 1035-1041	28.7	45
152	Topologically Nontrivial Valley States in Bilayer Graphene Quantum Point Contacts. <i>Physical Review Letters</i> , 2018 , 121, 257702	7.4	23
151	Tunnel spectroscopy of localised electronic states in hexagonal boron nitride. <i>Communications Physics</i> , 2018 , 1,	5.4	25
150	Influence of minivalleys and Berry curvature on electrostatically induced quantum wires in gapped bilayer graphene. <i>Physical Review B</i> , 2018 , 98,	3.3	20
149	Magnetoresistance in Co-hBN-NiFe Tunnel Junctions Enhanced by Resonant Tunneling through Single Defects in Ultrathin hBN Barriers. <i>Nano Letters</i> , 2018 , 18, 6954-6960	11.5	11
148	Infrared-to-violet tunable optical activity in atomic films of GaSe, InSe, and their heterostructures. <i>2D Materials</i> , 2018 , 5, 041009	5.9	39
147	Fast Relaxation of Photo-Excited Carriers in 2-D Transition Metal Dichalcogenides. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2017 , 23, 168-172	3.8	24
146	High-temperature quantum oscillations caused by recurring Bloch states in graphene superlattices. <i>Science</i> , 2017 , 357, 181-184	33.3	83
145	Binding energies of trions and biexcitons in two-dimensional semiconductors from diffusion quantum Monte Carlo calculations. <i>Physical Review B</i> , 2017 , 95,	3.3	64

144	Rabi oscillations of two-photon states in nonlinear optical resonators. <i>Physical Review A</i> , 2016 , 93,	2.6	3
143	Moiré miniband features in the angle-resolved photoemission spectra of graphene/hBN heterostructures. <i>Physical Review B</i> , 2016 , 93,	3.3	15
142	Zero-energy modes and valley asymmetry in the Hofstadter spectrum of bilayer graphene van der Waals heterostructures with hBN. <i>Physical Review B</i> , 2016 , 94,	3.3	4
141	Quantum oscillations of the critical current and high-field superconducting proximity in ballistic graphene. <i>Nature Physics</i> , 2016 , 12, 318-322	16.2	144
140	The direct-to-indirect band gap crossover in two-dimensional van der Waals Indium Selenide crystals. <i>Scientific Reports</i> , 2016 , 6, 39619	4.9	114
139	Electronic and optical properties of two-dimensional InSe from a DFT-parametrized tight-binding model. <i>Physical Review B</i> , 2016 , 94,	3.3	72
138	Auger recombination of dark excitons in WS ₂ and WSe ₂ monolayers. <i>2D Materials</i> , 2016 , 3, 035011	5.9	27
137	Ballistic miniband conduction in a graphene superlattice. <i>Science</i> , 2016 , 353, 1526-1529	33.3	87
136	Tuning the valley and chiral quantum state of Dirac electrons in van der Waals heterostructures. <i>Science</i> , 2016 , 353, 575-9	33.3	63
135	Three-particle complexes in two-dimensional semiconductors. <i>Physical Review Letters</i> , 2015 , 114, 107401	7.4	72
134	k _F p theory for two-dimensional transition metal dichalcogenide semiconductors. <i>2D Materials</i> , 2015 , 2, 022001	5.9	456
133	Tunable Fermi surface topology and Lifshitz transition in bilayer graphene. <i>Synthetic Metals</i> , 2015 , 210, 19-31	3.6	18
132	Resonant tunnelling between the chiral Landau states of twisted graphene lattices. <i>Nature Physics</i> , 2015 , 11, 1057-1062	16.2	49
131	Science and technology roadmap for graphene, related two-dimensional crystals, and hybrid systems. <i>Nanoscale</i> , 2015 , 7, 4598-810	7.7	2015
130	Quantum Monte Carlo calculation of the binding energy of bilayer graphene. <i>Physical Review Letters</i> , 2015 , 115, 115501	7.4	132
129	Twist-controlled resonant tunnelling between monolayer and bilayer graphene. <i>Applied Physics Letters</i> , 2015 , 107, 203506	3.4	17
128	WSe ₂ Light-Emitting Tunneling Transistors with Enhanced Brightness at Room Temperature. <i>Nano Letters</i> , 2015 , 15, 8223-8	11.5	183
127	Influence of Impurity Spin Dynamics on Quantum Transport in Epitaxial Graphene. <i>Physical Review Letters</i> , 2015 , 115, 106602	7.4	14

126	Electromechanical sensing of substrate charge hidden under atomic 2D crystals. <i>Nano Letters</i> , 2014 , 14, 3400-4	11.5	12
125	Twist-controlled resonant tunnelling in graphene/boron nitride/graphene heterostructures. <i>Nature Nanotechnology</i> , 2014 , 9, 808-13	28.7	341
124	Anomalous sequence of quantum Hall liquids revealing a tunable Lifshitz transition in bilayer graphene. <i>Physical Review Letters</i> , 2014 , 113, 116602	7.4	52
123	Graphitic platform for self-catalysed InAs nanowires growth by molecular beam epitaxy. <i>Nanoscale Research Letters</i> , 2014 , 9, 321	5	11
122	High-sensitivity photodetectors based on multilayer GaTe flakes. <i>ACS Nano</i> , 2014 , 8, 752-60	16.7	257
121	Observation of even denominator fractional quantum Hall effect in suspended bilayer graphene. <i>Nano Letters</i> , 2014 , 14, 2135-9	11.5	81
120	Quantum Hall effect and quantum point contact in bilayer-patched epitaxial graphene. <i>Nano Letters</i> , 2014 , 14, 3369-73	11.5	27
119	Electrons and phonons in single layers of hexagonal indium chalcogenides from ab initio calculations. <i>Physical Review B</i> , 2014 , 89,	3.3	204
118	Hierarchy of Hofstadter states and replica quantum Hall ferromagnetism in graphene superlattices. <i>Nature Physics</i> , 2014 , 10, 525-529	16.2	137
117	Silicane and germanane: tight-binding and first-principles studies. <i>2D Materials</i> , 2014 , 1, 011005	5.9	54
116	Quantum statistics of four-wave mixing by a nonlinear resonant microcavity. <i>Physical Review A</i> , 2014 , 90,	2.6	3
115	Dirac edges of fractal magnetic minibands in graphene with hexagonal moiré superlattices. <i>Physical Review B</i> , 2014 , 89,	3.3	36
114	Doping and theory: general discussion. <i>Faraday Discussions</i> , 2014 , 173, 233-56	3.6	4
113	Heterostructures of bilayer graphene and h-BN: Interplay between misalignment, interlayer asymmetry, and trigonal warping. <i>Physical Review B</i> , 2013 , 88,	3.3	42
112	Quantum resistance metrology using graphene. <i>Reports on Progress in Physics</i> , 2013 , 76, 104501	14.4	57
111	Moiré minibands in graphene heterostructures with almost commensurate 3B hexagonal crystals. <i>Physical Review B</i> , 2013 , 88,	3.3	26
110	Generic miniband structure of graphene on a hexagonal substrate. <i>Physical Review B</i> , 2013 , 87,	3.3	198
109	Practical and Fundamental Impact of Epitaxial Graphene on Quantum Metrology. <i>Mapan - Journal of Metrology Society of India</i> , 2013 , 28, 239-250	1	

108	Transport signatures of pseudomagnetic Landau levels in strained graphene ribbons. <i>Physical Review Letters</i> , 2013 , 110, 266801	7.4	28
107	Band structure and optical transitions in atomic layers of hexagonal gallium chalcogenides. <i>Physical Review B</i> , 2013 , 87,	3.3	145
106	Gigahertz quantized charge pumping in graphene quantum dots. <i>Nature Nanotechnology</i> , 2013 , 8, 417-208.7	99	
105	Cloning of Dirac fermions in graphene superlattices. <i>Nature</i> , 2013 , 497, 594-7	50.4	884
104	Spin memory and spin-lattice relaxation in two-dimensional hexagonal crystals. <i>Physical Review B</i> , 2013 , 88,	3.3	27
103	Measurement of filling-factor-dependent magnetophonon resonances in graphene using Raman spectroscopy. <i>Physical Review Letters</i> , 2013 , 110, 227402	7.4	26
102	Gapped bilayer graphene: a tunable strongly correlated band insulator. <i>Physical Review Letters</i> , 2012 , 109, 106801	7.4	9
101	A roadmap for graphene. <i>Nature</i> , 2012 , 490, 192-200	50.4	6640
100	Spin-orbit coupling assisted by flexural phonons in graphene. <i>Physical Review B</i> , 2012 , 86,	3.3	29
99	Competing nematic, antiferromagnetic, and spin-flux orders in the ground state of bilayer graphene. <i>Physical Review B</i> , 2012 , 85,	3.3	80
98	Electrically tunable band gap in silicene. <i>Physical Review B</i> , 2012 , 85,	3.3	835
97	Evidence for spin memory in the electron phase coherence in graphene. <i>Physical Review B</i> , 2012 , 86,	3.3	19
96	z - τ symmetry of spin-orbit coupling and weak localization in graphene. <i>Physical Review Letters</i> , 2012 , 108, 166606	7.4	91
95	Phase transitions in dipolar gases in optical lattices. <i>Physical Review A</i> , 2012 , 85,	2.6	1
94	Precision comparison of the quantum Hall effect in graphene and gallium arsenide. <i>Metrologia</i> , 2012 , 49, 294-306	2.1	53
93	Tunable metal-insulator transition in double-layer graphene heterostructures. <i>Nature Physics</i> , 2011 , 7, 958-961	16.2	417
92	Graphene-Driven Revolutions in ICT and Beyond. <i>Procedia Computer Science</i> , 2011 , 7, 30-33	1.6	9
91	Strained bilayer graphene: Band structure topology and Landau level spectrum. <i>Physical Review B</i> , 2011 , 84,	3.3	90

90	Non-volatile photochemical gating of an epitaxial graphene/polymer heterostructure. <i>Advanced Materials</i> , 2011 , 23, 878-82	24	106
89	Interaction-driven spectrum reconstruction in bilayer graphene. <i>Science</i> , 2011 , 333, 860-3	33.3	226
88	Manifestation of LO Π A phonons in Raman scattering in graphene. <i>Solid State Communications</i> , 2011 , 151, 1071-1074	1.6	17
87	Landau levels in deformed bilayer graphene at low magnetic fields. <i>Solid State Communications</i> , 2011 , 151, 1088-1093	1.6	12
86	Engineering and metrology of epitaxial graphene. <i>Solid State Communications</i> , 2011 , 151, 1094-1099	1.6	21
85	Transport anomaly at the ordering transition for adatoms on graphene. <i>Physical Review B</i> , 2011 , 83,	3.3	12
84	Disordered Fermi liquid in epitaxial graphene from quantum transport measurements. <i>Physical Review Letters</i> , 2011 , 107, 166602	7.4	69
83	Gauge fields and interferometry in folded graphene. <i>Physical Review B</i> , 2011 , 83,	3.3	58
82	Anomalously strong pinning of the filling factor $\nu=2$ in epitaxial graphene. <i>Physical Review B</i> , 2011 , 83,	3.3	86
81	Intra-Landau-level magnetoexcitons and the transition between quantum Hall states in undoped bilayer graphene. <i>Physical Review B</i> , 2011 , 83,	3.3	20
80	Towards a quantum resistance standard based on epitaxial graphene. <i>Nature Nanotechnology</i> , 2010 , 5, 186-9	28.7	338
79	Spontaneous symmetry breaking and Lifshitz transition in bilayer graphene. <i>Physical Review B</i> , 2010 , 82,	3.3	147
78	Sublattice ordering in a dilute ensemble of monovalent adatoms on graphene. <i>Europhysics Letters</i> , 2010 , 89, 56003	1.6	35
77	Spectral features due to inter-Landau-level transitions in the Raman spectrum of bilayer graphene. <i>Physical Review B</i> , 2010 , 82,	3.3	26
76	Charge transfer between epitaxial graphene and silicon carbide. <i>Applied Physics Letters</i> , 2010 , 97, 112109.4	9.4	125
75	Ordered states of adatoms on graphene. <i>Physical Review B</i> , 2009 , 80,	3.3	61
74	Quantum transport thermometry for electrons in graphene. <i>Physical Review Letters</i> , 2009 , 102, 066801	7.4	36
73	On spectral properties of bilayer graphene: the effect of an SiC substrate and infrared magneto-spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 344206	1.8	22

72	Signature of electronic excitations in the Raman spectrum of graphene. <i>Physical Review B</i> , 2009 , 80,	3.3	41
71	Adsorbate-limited conductivity of graphene. <i>Physical Review Letters</i> , 2008 , 101, 196803	7.4	177
70	Characterization of graphene through anisotropy of constant-energy maps in angle-resolved photoemission. <i>Physical Review B</i> , 2008 , 77,	3.3	125
69	Quantum kinetic equation and universal conductance fluctuations in graphene. <i>Physical Review B</i> , 2008 , 77,	3.3	58
68	Long nuclear spin polarization decay times controlled by optical pumping in individual quantum dots. <i>Physical Review B</i> , 2008 , 77,	3.3	23
67	Tunable graphene system with two decoupled monolayers. <i>Applied Physics Letters</i> , 2008 , 93, 172108	3.4	93
66	Nuclear spin pumping under resonant optical excitation in a quantum dot. <i>Applied Physics Letters</i> , 2008 , 93, 073113	3.4	13
65	Canted magnetization texture in ferromagnetic tunnel junctions. <i>Physical Review B</i> , 2008 , 78,	3.3	1
64	Optical and magneto-optical far-infrared properties of bilayer graphene. <i>Physical Review B</i> , 2007 , 75,	3.3	299
63	Weak localization in graphene. <i>Solid State Communications</i> , 2007 , 143, 33-38	1.6	54
62	Electrons in bilayer graphene. <i>Solid State Communications</i> , 2007 , 143, 110-115	1.6	175
61	Graphene: Emerging matter in two dimensions. <i>European Physical Journal: Special Topics</i> , 2007 , 148, 1-4	2.3	13
60	Weak localization in monolayer and bilayer graphene. <i>European Physical Journal: Special Topics</i> , 2007 , 148, 39-54	2.3	79
59	The low energy electronic band structure of bilayer graphene. <i>European Physical Journal: Special Topics</i> , 2007 , 148, 91-103	2.3	82
58	QHE and far infra-red properties of bilayer graphene in a strong magnetic field. <i>European Physical Journal: Special Topics</i> , 2007 , 148, 105-115	2.3	3
57	Giant magnetothermopower and magnetoresistance in metals with embedded ferromagnetic nanoclusters. <i>Journal of Applied Physics</i> , 2007 , 101, 014324	2.5	1
56	0 π transition in superconductor-ferromagnet-superconductor junctions with strongly spin-dependent scattering. <i>Physical Review B</i> , 2007 , 75,	3.3	6
55	Power dependence of the photocurrent lineshape in a semiconductor quantum dot. <i>Applied Physics Letters</i> , 2007 , 91, 193107	3.4	

54	Influence of Trigonal Warping on Interference Effects in Bilayer Graphene. <i>Physical Review Letters</i> , 2007 , 98,	7.4	123
53	Bistability of optically induced nuclear spin orientation in quantum dots. <i>Physical Review B</i> , 2007 , 76,	3.3	7
52	Nuclear spin switch in semiconductor quantum dots. <i>Physical Review Letters</i> , 2007 , 98, 026806	7.4	117
51	Random resistor network model of minimal conductivity in graphene. <i>Physical Review Letters</i> , 2007 , 99, 176801	7.4	118
50	Filling-factor-dependent magnetophonon resonance in graphene. <i>Physical Review Letters</i> , 2007 , 99, 087402	7.4	79
49	The focusing of electron flow and a Veselago lens in graphene p-n junctions. <i>Science</i> , 2007 , 315, 1252-5	33.3	867
48	Visibility of graphene flakes on a dielectric substrate. <i>Applied Physics Letters</i> , 2007 , 91, 063125	3.4	230
47	Detection of the electron spin resonance of two-dimensional electrons at large wave vectors. <i>Physical Review Letters</i> , 2006 , 96, 126807	7.4	11
46	Triplet pairing due to spin-orbit-assisted electron-phonon coupling. <i>Physical Review B</i> , 2006 , 74,	3.3	2
45	Friedel oscillations, impurity scattering, and temperature dependence of resistivity in graphene. <i>Physical Review Letters</i> , 2006 , 97, 226801	7.4	256
44	Thermally excited spin current and giant magnetothermopower in metals with embedded ferromagnetic nanoclusters. <i>Physical Review B</i> , 2006 , 74,	3.3	46
43	Selective transmission of Dirac electrons and ballistic magnetoresistance of n-p junctions in graphene. <i>Physical Review B</i> , 2006 , 74,	3.3	626
42	Landau-level degeneracy and quantum Hall effect in a graphite bilayer. <i>Physical Review Letters</i> , 2006 , 96, 086805	7.4	1587
41	Weak-localization magnetoresistance and valley symmetry in graphene. <i>Physical Review Letters</i> , 2006 , 97, 146805	7.4	758
40	Unconventional quantum Hall effect and Berry phase of 2D bilayer graphene. <i>Nature Physics</i> , 2006 , 2, 177-180	16.2	1621
39	Degeneracy breaking and intervalley scattering due to short-ranged impurities in finite single-wall carbon nanotubes. <i>Physical Review B</i> , 2005 , 71,	3.3	19
38	Spin-orbit coupling and anisotropy of spin splitting in quantum dots. <i>Physical Review Letters</i> , 2005 , 94, 226404	7.4	56
37	Anisotropy of spin splitting and spin relaxation in lateral quantum dots. <i>Physical Review Letters</i> , 2005 , 95, 076603	7.4	38

36	Commensurability oscillations in the surface-acoustic-wave-induced acoustoelectric effect in a two-dimensional electron gas. <i>Physical Review B</i> , 2005 , 71,	3-3	1
35	Quantum and classical surface-acoustic-wave-induced magnetoresistance oscillations in a two-dimensional electron gas. <i>Physical Review B</i> , 2005 , 71,	3-3	14
34	Magnetic field influence on the proximity effect in semiconductor-superconductor hybrid structures and their thermal conductance. <i>Physical Review B</i> , 2004 , 69,	3-3	27
33	Orbital effects of in-plane magnetic fields probed by mesoscopic conductance fluctuations. <i>Physical Review B</i> , 2004 , 69,	3-3	21
32	Surface acoustic-wave-induced magnetoresistance oscillations in a two-dimensional electron gas. <i>Physical Review Letters</i> , 2004 , 93, 036804	7-4	27
31	ANDREEV REFLECTION AND SUBGAP TRANSPORT DUE TO ELECTRON-MAGNON INTERACTIONS IN FERROMAGNET-SUPERCONDUCTOR JUNCTIONS. <i>International Journal of Modern Physics B</i> , 2003 , 17, 5001-5005	1-1	3
30	Applicability of the ergodicity hypothesis to mesoscopic fluctuations. <i>Physical Review B</i> , 2003 , 68,	3-3	9
29	Magnetothermopower and magnon-assisted transport in ferromagnetic tunnel junctions. <i>Applied Physics Letters</i> , 2002 , 81, 3609-3611	3-4	11
28	Orbital effect of an in-plane magnetic field on quantum transport in chaotic lateral dots. <i>Physical Review B</i> , 2002 , 65,	3-3	21
27	Magnon-assisted Andreev reflection in a ferromagnet-superconductor junction. <i>Europhysics Letters</i> , 2001 , 56, 583-589	1-6	9
26	Correlation-function spectroscopy of inelastic lifetime in heavily doped GaAs heterostructures. <i>Physical Review B</i> , 2001 , 64,	3-3	17
25	Subgap transport in ferromagnet-superconductor junctions due to magnon-assisted Andreev reflection. <i>Physical Review B</i> , 2001 , 65,	3-3	31
24	Energy dependence of quasiparticle relaxation in a disordered fermi liquid. <i>Physical Review Letters</i> , 2001 , 86, 276-9	7-4	19
23	Weak localization correction to the ferromagnet-superconductor interface resistance. <i>Physical Review B</i> , 2000 , 62, 6015-6020	3-3	5
22	Spectroscopy of local density of states fluctuations in a disordered conductor. <i>Europhysics Letters</i> , 1996 , 36, 61-66	1-6	29
21	Statistics of wave functions in mesoscopic systems. <i>Journal of Mathematical Physics</i> , 1996 , 37, 4935-4967	1-2	15
20	Conductance fluctuations due to a bistable scatterer in a weakly connected conductor. <i>Physical Review B</i> , 1995 , 51, 5227-5232	3-3	3
19	Statistics of prelocalized states in disordered conductors. <i>Physical Review B</i> , 1995 , 52, 17413-17429	3-3	96

18	Conductance fluctuations in systems with random-magnetic-field scattering. <i>Physical Review B</i> , 1994 , 50, 17406-17410	3-3	17
17	Statistics of fluctuations of wave functions of chaotic electrons in a quantum dot in an arbitrary magnetic field. <i>Physical Review B</i> , 1994 , 50, 11267-11270	3-3	31
16	Evidence of the triangular lattice of crystallized electrons from time resolved luminescence. <i>Physical Review Letters</i> , 1994 , 72, 3594-3597	7-4	38
15	Electrostatics of inter-Landau-level diodes. <i>Physical Review B</i> , 1994 , 50, 4571-4576	3-3	11
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1	Interfacial ferroelectricity in marginally twisted 2D semiconductors		2

