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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.

208 papers	6,867 citations	38 h-index	78 g-index
229 ext. papers	8,420 ext. citations	5.6 avg, IF	5.32 L-index

#	Paper	IF	Citations
208	Science and technology roadmap for graphene, related two-dimensional crystals, and hybrid systems. <i>Nanoscale</i> , 2015 , 7, 4598-810	7.7	2015
207	Dynamical Casimir effect in a Josephson metamaterial. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 4234-4238	11.5	221
206	Continuous-time monitoring of Landau-Zener interference in a cooper-pair box. <i>Physical Review Letters</i> , 2006 , 96, 187002	7.4	209
205	Microwave amplification with nanomechanical resonators. <i>Nature</i> , 2011 , 480, 351-4	50.4	190
204	Hybrid circuit cavity quantum electrodynamics with a micromechanical resonator. <i>Nature</i> , 2013 , 494, 211-5	50.4	188
203	Shot noise in ballistic graphene. <i>Physical Review Letters</i> , 2008 , 100, 196802	7.4	188
202	Multimode circuit optomechanics near the quantum limit. <i>Nature Communications</i> , 2012 , 3, 987	17.4	156
201	Cavity optomechanics mediated by a quantum two-level system. <i>Nature Communications</i> , 2015 , 6, 6981	17.4	125
200	Autler-Townes effect in a superconducting three-level system. <i>Physical Review Letters</i> , 2009 , 103, 193604	7.4	121
199	Stamp transferred suspended graphene mechanical resonators for radio frequency electrical readout. <i>Nano Letters</i> , 2012 , 12, 198-202	11.5	99
198	Motional averaging in a superconducting qubit. <i>Nature Communications</i> , 2013 , 4, 1420	17.4	94
197	Multiwalled carbon nanotube: Luttinger versus Fermi liquid. <i>Physical Review B</i> , 2001 , 64,	3.3	91
196	Superconductor-Insulator Transition in a Single Josephson Junction. <i>Physical Review Letters</i> , 1999 , 82, 1004-1007	7.4	86
195	Direct observation of Josephson capacitance. <i>Physical Review Letters</i> , 2005 , 95, 206806	7.4	81
194	Single-electron transistor made of multiwalled carbon nanotube using scanning probe manipulation. <i>Applied Physics Letters</i> , 1999 , 75, 728-730	3.4	81
193	Stark effect and generalized Bloch-Siegert shift in a strongly driven two-level system. <i>Physical Review Letters</i> , 2010 , 105, 257003	7.4	68
192	NMR experiments on rotating superfluid $^3\text{He-A}$ and $^3\text{He-B}$ and their theoretical interpretation. <i>Journal of Low Temperature Physics</i> , 1983 , 53, 425-476	1.3	66

191	Single carbon nanotube transistor at GHz frequency. <i>Nano Letters</i> , 2008 , 8, 525-8	11.5	65
190	Shot noise with interaction effects in single-walled carbon nanotubes. <i>Physical Review Letters</i> , 2007 , 99, 156803	7.4	64
189	Magnetic Vortices in Rotating Superfluid He3-B. <i>Physical Review Letters</i> , 1983 , 51, 1362-1365	7.4	64
188	Graphene optomechanics realized at microwave frequencies. <i>Physical Review Letters</i> , 2014 , 113, 027404	7.4	63
187	Cooper pair splitting by means of graphene quantum dots. <i>Physical Review Letters</i> , 2015 , 114, 096602	7.4	62
186	NMR and axial magnetic field textures in stationary and rotating superfluid ³ He-B. <i>Journal of Low Temperature Physics</i> , 1989 , 76, 225-283	1.3	56
185	Low-noise current amplifier based on mesoscopic Josephson junction. <i>Science</i> , 2003 , 299, 1045-8	33.3	52
184	Vortices in rotating superfluid ³ He. <i>Physica B: Condensed Matter</i> , 1989 , 160, 1-55	2.8	50
183	Manipulation of Ag nanoparticles utilizing noncontact atomic force microscopy. <i>Applied Physics Letters</i> , 1998 , 73, 1505-1507	3.4	48
182	Electron-phonon coupling in suspended graphene: supercollisions by ripples. <i>Nano Letters</i> , 2014 , 14, 3009-13	11.5	47
181	Growth of ⁴ He-Crystals at mK-Temperatures. <i>Journal of Low Temperature Physics</i> , 1998 , 112, 117-164	1.3	46
180	Interfacial resistive anomaly at a normal-superconducting boundary. <i>Physical Review B</i> , 1991 , 44, 462-465	3.3	46
179	Decoherence, Autler-Townes effect, and dark states in two-tone driving of a three-level superconducting system. <i>Physical Review B</i> , 2011 , 84,	3.3	44
178	Evanescent Wave Transport and Shot Noise in Graphene: Ballistic Regime and Effect of Disorder. <i>Journal of Low Temperature Physics</i> , 2008 , 153, 374-392	1.3	43
177	Noise performance of the radio-frequency single-electron transistor. <i>Journal of Applied Physics</i> , 2004 , 95, 1274-1286	2.5	43
176	Continuous Vortices with Broken Symmetry in Rotating Superfluid He3-A. <i>Physical Review Letters</i> , 1984 , 52, 1802-1805	7.4	43
175	Spontaneous nuclear magnetic ordering in copper and silver at nano- and picokelvin temperatures. <i>Journal of Magnetism and Magnetic Materials</i> , 1991 , 100, 394-412	2.8	41
174	Nuclear magnetism in silver at positive and negative absolute temperatures in the low nanokelvin range. <i>Physical Review Letters</i> , 1990 , 64, 2707-2710	7.4	40

173	Dynamical Autler-Townes control of a phase qubit. <i>Scientific Reports</i> , 2012 , 2, 645	4.9	39
172	Detection of the Rotation of the Earth with a Superfluid Gyrometer. <i>Physical Review Letters</i> , 1997 , 78, 3602-3605	7.4	39
171	Inductive single-electron transistor. <i>Physical Review Letters</i> , 2004 , 93, 066805	7.4	39
170	Phase Diagram of the First-Order Vortex-Core Transition in Superfluid He3-B. <i>Physical Review Letters</i> , 1984 , 53, 584-587	7.4	38
169	Strong gate coupling of high-Q nanomechanical resonators. <i>Nano Letters</i> , 2010 , 10, 4884-9	11.5	37
168	Single-mode and multimode Fabry-Pérot interference in suspended graphene. <i>Physical Review B</i> , 2014 , 89,	3.3	36
167	Single-electron transistor made of two crossing multiwalled carbon nanotubes and its noise properties. <i>Applied Physics Letters</i> , 2000 , 77, 4037-4039	3.4	36
166	Observation of shot-noise-induced asymmetry in the Coulomb blockaded Josephson junction. <i>Physical Review Letters</i> , 2004 , 93, 197002	7.4	34
165	Inverse proximity effect in superconductors near ferromagnetic material. <i>Europhysics Letters</i> , 2001 , 56, 590-595	1.6	34
164	Multiwalled carbon nanotubes as ultrasensitive electrometers. <i>Applied Physics Letters</i> , 2001 , 78, 3295-3297	3.4	34
163	Observation of nuclear ferromagnetic ordering in silver at negative nanokelvin temperatures. <i>Physical Review Letters</i> , 1992 , 68, 365-368	7.4	32
162	Experiments on Vortices in Rotating Superfluid He3-A. <i>Physical Review Letters</i> , 1982 , 49, 1258-1261	7.4	32
161	Coherence and multimode correlations from vacuum fluctuations in a microwave superconducting cavity. <i>Nature Communications</i> , 2016 , 7, 12548	17.4	31
160	Gate-controlled superconductivity in a diffusive multiwalled carbon nanotube. <i>Physical Review Letters</i> , 2007 , 98, 087002	7.4	31
159	Phase Diagram and NMR Studies of Antiferromagnetically Ordered Polycrystalline Silver. <i>Europhysics Letters</i> , 1991 , 15, 677-682	1.6	31
158	Evidence of 4He Crystallization via Quantum Tunneling at mK Temperatures. <i>Physical Review Letters</i> , 1996 , 77, 2514-2517	7.4	30
157	Facet growth of 4He crystals at mK temperatures. <i>Physical Review Letters</i> , 1996 , 76, 4187-4190	7.4	29
156	Graphene for future electronics. <i>Physica Scripta</i> , 2012 , T146, 014025	2.6	28

155	Nuclear antiferromagnetism in rhodium metal at positive and negative nanokelvin temperatures. <i>Physical Review Letters</i> , 1993 , 70, 2818-2821	7.4	28
154	Vortex-free state of $^3\text{He-B}$ in a rotating cylinder. <i>Physical Review Letters</i> , 1987 , 59, 1006-1009	7.4	28
153	NMR studies on vortices in rotating $^3\text{He-A}$. <i>Journal of Low Temperature Physics</i> , 1985 , 60, 187-221	1.3	28
152	Energy relaxation in graphene and its measurement with supercurrent. <i>Physical Review B</i> , 2011 , 84,	3.3	27
151	Formation of metallic NbSe ₂ nanotubes and nanofibers. <i>Current Applied Physics</i> , 2003 , 3, 473-476	2.6	27
150	Bolometer operating at the threshold for circuit quantum electrodynamics. <i>Nature</i> , 2020 , 586, 47-51	50.4	27
149	Transport in strongly disordered multiwalled carbon nanotubes. <i>Physical Review B</i> , 2004 , 69,	3.3	25
148	Investigations of nuclear magnetism in silver down to picokelvin temperatures. II. <i>Journal of Low Temperature Physics</i> , 1991 , 85, 25-65	1.3	25
147	Comment on "Nucleation of $^3\text{He-B}$ from the A phase: A cosmic-ray effect?". <i>Physical Review Letters</i> , 1985 , 54, 245	7.4	25
146	Accessing nanomechanical resonators via a fast microwave circuit. <i>Applied Physics Letters</i> , 2009 , 95, 011904	3.4	23
145	Vortices in $^3\text{He-A}$ in a weak magnetic field. <i>Journal of Low Temperature Physics</i> , 1981 , 42, 503-514	1.3	23
144	Unconventional fractional quantum Hall states and Wigner crystallization in suspended Corbino graphene. <i>Nature Communications</i> , 2018 , 9, 2776	17.4	22
143	Dry demagnetization cryostat for sub-millikelvin helium experiments: refrigeration and thermometry. <i>Review of Scientific Instruments</i> , 2014 , 85, 085106	1.7	22
142	Tuning of a hypersonic surface phononic band gap using a nanoscale two-dimensional lattice of pillars. <i>Physical Review B</i> , 2012 , 86,	3.3	22
141	Design of cryogenic 700 MHz amplifier. <i>Cryogenics</i> , 2004 , 44, 783-788	1.8	22
140	Multiwalled Carbon Nanotubes as Building Blocks in Nanoelectronics. <i>Journal of Low Temperature Physics</i> , 2001 , 124, 335-352	1.3	22
139	Contact doping, Klein tunneling, and asymmetry of shot noise in suspended graphene. <i>Physical Review B</i> , 2016 , 93,	3.3	20
138	Coupling between electrons and optical phonons in suspended bilayer graphene. <i>Physical Review B</i> , 2015 , 91,	3.3	20

137	Shot noise suppression and hopping conduction in graphene nanoribbons. <i>Physical Review B</i> , 2010 , 82,	3.3	20
136	Negative absolute temperatures: "hot" spins in spontaneous magnetic order. <i>Science</i> , 1994 , 265, 1821-5	33.3	19
135	Surface spin waves in $^3\text{He-A}$, a probe for vortex phenomena in narrow gaps. <i>Physical Review Letters</i> , 1987 , 58, 678-681	7.4	19
134	Decay of vortex state and mutual friction in superfluid $^3\text{He-A}$. <i>Journal of Low Temperature Physics</i> , 1987 , 67, 313-318	1.3	19
133	NMR Experiments on Rotating Superfluid $\text{He}^3\text{-A}$: Evidence for Vorticity. <i>Physical Review Letters</i> , 1982 , 48, 1838-1841	7.4	19
132	Charge sensitivity enhancement via mechanical oscillation in suspended carbon nanotube devices. <i>Nano Letters</i> , 2015 , 15, 1667-72	11.5	18
131	Atomic layer deposition of HfO_2 on graphene from HfCl_4 and H_2O . <i>Open Physics</i> , 2011 , 9,	1.3	18
130	Ultra low $1/f$ noise in suspended bilayer graphene. <i>Applied Physics Letters</i> , 2015 , 106, 263505	3.4	17
129	Self-heating and nonlinear current-voltage characteristics in bilayer graphene. <i>Physical Review B</i> , 2011 , 83,	3.3	17
128	Low-frequency current noise and resistance fluctuations in multiwalled carbon nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2005 , 28, 57-65	3	16
127	Cooled video camera for optical investigations below 1 mK. <i>Review of Scientific Instruments</i> , 1994 , 65, 1784-1785	1.7	16
126	Shot noise and conductivity at high bias in bilayer graphene: Signatures of electron-optical phonon coupling. <i>Physical Review B</i> , 2011 , 84,	3.3	15
125	Evidence for Single-Vortex Pinning and Unpinning Events in Superfluid H^4e . <i>Physical Review Letters</i> , 1998 , 81, 3451-3454	7.4	15
124	Observation of a new surface state on ^4He crystal interfaces. <i>Physical Review Letters</i> , 1995 , 75, 3324-3327	7.4	15
123	Dielectric losses in multi-layer Josephson junction qubits. <i>Superconductor Science and Technology</i> , 2013 , 26, 085010	3.1	14
122	On textures and spin waves in rotating superfluid $^3\text{He-B}$ at high magnetic fields. <i>Journal of Physics C: Solid State Physics</i> , 1982 , 15, L1277-L1285		14
121	Single-walled carbon nanotube weak links in Kondo regime with zero-field splitting. <i>Physical Review B</i> , 2009 , 79,	3.3	13
120	Highly sensitive and broadband carbon nanotube radio-frequency single-electron transistor. <i>Journal of Applied Physics</i> , 2008 , 104, 033715	2.5	13

119	Advanced Concepts in Josephson Junction Reflection Amplifiers. <i>Journal of Low Temperature Physics</i> , 2014 , 175, 868-876	1.3	12
118	Vibronic spectroscopy of an artificial molecule. <i>Physical Review Letters</i> , 2008 , 101, 256806	7.4	12
117	Carbon Nanotube Radio-Frequency Single-Electron Transistor. <i>Journal of Low Temperature Physics</i> , 2004 , 136, 465-480	1.3	12
116	Manufacture of single electron transistors using AFM manipulation on multiwalled carbon nanotubes. <i>Microelectronic Engineering</i> , 2002 , 61-62, 687-691	2.5	12
115	Observations on Superfluid Meniscus in Rotating 3He-B. <i>Physical Review Letters</i> , 1995 , 74, 2744-2747	7.4	12
114	Macroscopic quantum tunneling in nanoelectromechanical systems. <i>Physical Review B</i> , 2011 , 84,	3.3	11
113	Tunneling of Cooper pairs across voltage-biased asymmetric single-Cooper-pair transistors. <i>Physical Review B</i> , 2006 , 74,	3.3	11
112	Setup for shot noise measurements in carbon nanotubes. <i>AIP Conference Proceedings</i> , 2006 ,	0	11
111	Shot noise in lithographically patterned graphene nanoribbons. <i>Physical Review B</i> , 2013 , 88,	3.3	10
110	Landau-Zener Interferometry in a Cooper-Pair Box. <i>Journal of Low Temperature Physics</i> , 2007 , 146, 253-262	3.3	10
109	Quantum capacitive phase detector. <i>Physical Review B</i> , 2005 , 71,	3.3	10
108	Nuclear ferromagnetic ordering in silver at negative nanokelvin temperatures. <i>Journal of Low Temperature Physics</i> , 1992 , 89, 177-186	1.3	10
107	Heat switch and thermoelectric effects based on Cooper-pair splitting and elastic cotunneling. <i>Physical Review B</i> , 2019 , 99,	3.3	9
106	Thermal shot noise in top-gated single carbon nanotube field effect transistors. <i>Applied Physics Letters</i> , 2010 , 96, 192103	3.4	9
105	Electron-phonon coupling in single-walled carbon nanotubes determined by shot noise. <i>Applied Physics Letters</i> , 2010 , 97, 262115	3.4	9
104	Josephson junction microwave amplifier in self-organized noise compression mode. <i>Scientific Reports</i> , 2012 , 2, 276	4.9	9
103	Observation of single-vortex pinning in superfluid 4He. <i>Physica B: Condensed Matter</i> , 1998 , 255, 55-74	2.8	9
102	Shot noise of a multiwalled carbon nanotube field effect transistor. <i>Physical Review B</i> , 2007 , 75,	3.3	9

101	Anomalous Spin-Lattice Relaxation in Dilute RhFe at Positive and Negative Nanokelvin Spin Temperatures. <i>Europhysics Letters</i> , 1994 , 25, 551-556	1.6	9
100	Buckled diamond-like carbon nanomechanical resonators. <i>Nanoscale</i> , 2015 , 7, 14747-51	7.7	8
99	Superfluid Gyrometers: Present State and Future Prospects. <i>Journal of Low Temperature Physics</i> , 1998 , 110, 709-718	1.3	8
98	Experiments on Dissipative Dynamics of Single Josephson Junctions. <i>Journal of Low Temperature Physics</i> , 2001 , 125, 89-114	1.3	8
97	Susceptibility and relaxation measurements on rhodium metal at positive and negative spin temperatures in the nanokelvin range. <i>Journal of Low Temperature Physics</i> , 1995 , 98, 449-487	1.3	8
96	Spreading of superfluid ^4He on MgF_2 . <i>Journal of Low Temperature Physics</i> , 1996 , 102, 21-29	1.3	8
95	Optical Investigations of Film Dynamics in Superfluid ^3He Using a Cooled Charged Coupled Device. <i>Europhysics Letters</i> , 1994 , 28, 163-168	1.6	8
94	Simultaneous spin and space rotation experiments in $^3\text{He-B}$. <i>Journal of Low Temperature Physics</i> , 1991 , 83, 323-330	1.3	8
93	Spin dynamics in highly polarized silver at negative absolute temperatures. <i>Physical Review B</i> , 1992 , 45, 2196-2200	3.3	8
92	Measurements of the Dipolar Velocity in Superfluid $^3\text{He-B}$. <i>Europhysics Letters</i> , 1989 , 9, 355-360	1.6	8
91	Defects in h-BN tunnel barrier for local electrostatic probing of two dimensional materials. <i>APL Materials</i> , 2018 , 6, 091102	5.7	8
90	Charge qubit driven via the Josephson nonlinearity. <i>Superconductor Science and Technology</i> , 2013 , 26, 124001	3.1	7
89	Wetting of superfluid ^4He by liquid ^3He . <i>Physical Review Letters</i> , 1994 , 73, 1388-1391	7.4	7
88	Electron-beam welded Cu-to-Ag joints for thermal contact at low temperatures. <i>Review of Scientific Instruments</i> , 1991 , 62, 1370-1371	1.7	7
87	NQR studies of scandium metal at low temperatures. <i>Physica B: Condensed Matter</i> , 1990 , 165-166, 793-794	2.8	7
86	Vortices in Rotating Superfluid He_3 . <i>Physics Today</i> , 1987 , 40, 70-78	0.9	7
85	Low-noise correlation measurements based on software-defined-radio receivers and cooled microwave amplifiers. <i>Review of Scientific Instruments</i> , 2016 , 87, 114706	1.7	7
84	Thermoelectric current in a graphene Cooper pair splitter. <i>Nature Communications</i> , 2021 , 12, 138	17.4	7

83	Broadband lumped-element Josephson parametric amplifier with single-step lithography. <i>Applied Physics Letters</i> , 2019 , 114, 152601	3.4	6
82	Thermal Relaxation in Titanium Nanowires: Signatures of Inelastic Electron-Boundary Scattering in Heat Transfer. <i>Journal of Low Temperature Physics</i> , 2017 , 189, 204-216	1.3	6
81	Titanium single-electron transistor fabricated by electron-beam lithography. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002 , 15, 41-47	3	6
80	Quantum states of a mesoscopic SQUID measured using a small Josephson junction. <i>Physical Review B</i> , 2003 , 68,	3.3	6
79	Charge sensitivity of the inductive single-electron transistor. <i>Applied Physics Letters</i> , 2005 , 87, 092502	3.4	6
78	Tunneling spectroscopy of disordered multiwalled carbon nanotubes. <i>Physical Review B</i> , 2005 , 71,	3.3	6
77	Optomechanics: Hardware for a quantum network. <i>Nature</i> , 2014 , 507, 45, 47	50.4	5
76	Current-phase relation and Josephson inductance in a superconducting Cooper-pair transistor. <i>Physical Review B</i> , 2009 , 80,	3.3	5
75	Towards direct closure of the quantum metrological triangle 2008 ,		5
74	Control of Coulomb blockade in a mesoscopic Josephson junction using single electron tunneling. <i>Journal of Applied Physics</i> , 2004 , 95, 8059-8062	2.5	5
73	Elementary Steps on the H4e Crystal Interface Probed by H3e Atoms. <i>Physical Review Letters</i> , 1999 , 83, 4804-4807	7.4	5
72	Optical interferometry in superfluid ³ He-B. <i>Journal of Low Temperature Physics</i> , 1996 , 102, 411-443	1.3	5
71	Electrical transport in bismuth whiskers at millikelvin temperatures. <i>Journal of Physics Condensed Matter</i> , 1991 , 3, 7153-7160	1.8	5
70	Electron Heating Effects in Disordered Carbon Nanotubes. <i>Journal of the Physical Society of Japan</i> , 2003 , 72, 100-101	1.5	5
69	Vortices in ³ He-A in Restricted Geometries. <i>Japanese Journal of Applied Physics</i> , 1987 , 26, 181	1.4	5
68	Gyrotropic Zener tunneling and nonlinear IV curves in the zero-energy Landau level of graphene in a strong magnetic field. <i>Scientific Reports</i> , 2018 , 8, 594	4.9	4
67	Interband transitions and interference effects in superconducting qubits. <i>Quantum Information Processing</i> , 2009 , 8, 245-259	1.6	4
66	Effect of quantum noise on Coulomb blockade in normal tunnel junctions at high voltages. <i>Physical Review B</i> , 2000 , 61, 10890-10897	3.3	4

65	Optical interferometry at ultra low temperatures. <i>Journal of Low Temperature Physics</i> , 1995 , 101, 41-47	1.3	4
64	Calculation of nuclear-spin entropy in silver and rhodium at positive and negative temperatures using Monte Carlo simulations. <i>Physical Review B</i> , 1994 , 49, 15363-15365	3.3	4
63	Comment on "Absence of a Dissipative Quantum Phase Transition in Josephson Junctions" <i>Physical Review X</i> , 2021 , 11,	9.1	4
62	Generation of a mode in phononic crystal based on 1D/2D structures. <i>Ultrasonics</i> , 2020 , 106, 106146	3.5	4
61	Electrical Low-Frequency 1/ Noise Due to Surface Diffusion of Scatterers on an Ultra-low-Noise Graphene Platform. <i>Nano Letters</i> , 2021 , 21, 7637-7643	11.5	4
60	The Experimental Evidence for Vortex Nucleation in 4He. <i>Lecture Notes in Physics</i> , 2001 , 36-50	0.8	4
59	Basis dependence of approximative energy levels in a strongly driven two-level system. <i>Journal of Physics: Conference Series</i> , 2012 , 400, 042054	0.3	3
58	Superfluid Vorticity and 1/f Noise in Melting of Solid 4He. <i>Journal of Low Temperature Physics</i> , 1998 , 110, 503-508	1.3	3
57	Bloch oscillating transistor—a new mesoscopic amplifier. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003 , 18, 15-16	3	3
56	Transport in disordered carbon nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003 , 18, 206-207	3	3
55	Noise properties of the Bloch oscillating transistor. <i>Applied Physics Letters</i> , 2005 , 86, 173507	3.4	3
54	Bipolar programmable current supply for superconducting nuclear magnetic resonance magnets. <i>Review of Scientific Instruments</i> , 1998 , 69, 3418-3425	1.7	3
53	Evidence of a new vicinal state on the 4He crystal interface. <i>Journal of Low Temperature Physics</i> , 1995 , 101, 525-530	1.3	3
52	Vortex dimples at charged helium interfaces. <i>Journal of Low Temperature Physics</i> , 1994 , 96, 355-367	1.3	3
51	Terahertz detection using mechanical resonators based on 2D materials. <i>AIP Advances</i> , 2017 , 7, 065014	1.5	2
50	Cryogenic Differential Amplifier for NMR Applications. <i>Journal of Low Temperature Physics</i> , 2019 , 195, 72-80	1.3	2
49	A graphene resonator as an ultrasound detector for generalized Love waves in a polymer film with two level states. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 24LT02	3	2
48	Dry transfer method for suspended graphene on lift-off-resist: simple ballistic devices with Fabry-Pérot interference. <i>Nanotechnology</i> , 2019 , 30, 25LT01	3.4	2

47	Breakdown of Zero-Energy Quantum Hall State in Graphene in the Light of Current Fluctuations and Shot Noise. <i>Journal of Low Temperature Physics</i> , 2018 , 191, 272-287	1.3	2
46	Quartz tuning fork as a probe of surface oscillations. <i>Applied Physics Letters</i> , 2017 , 110, 071601	3.4	2
45	rf-electrometer using a carbon nanotube resonant tunneling transistor. <i>Journal of Applied Physics</i> , 2010 , 107, 084316	2.5	2
44	Modeling and Characterization of Bloch Oscillating Junction Transistors. <i>Journal of Low Temperature Physics</i> , 2009 , 157, 6-28	1.3	2
43	Microwave reflection measurement of critical currents in a nanotube Josephson transistor with a resistive environment. <i>Nanotechnology</i> , 2011 , 22, 125203	3.4	2
42	Pure dephasing in a superconducting three-level system. <i>Journal of Physics: Conference Series</i> , 2012 , 400, 042039	0.3	2
41	Statistics of electron tunneling in normal tunnel junctions: An analytical and numerical study including circuit effects. <i>Physical Review B</i> , 2006 , 74,	3.3	2
40	Publisher's Note: Gate-Controlled Superconductivity in a Diffusive Multiwalled Carbon Nanotube [Phys. Rev. Lett. 98, 087002 (2007)]. <i>Physical Review Letters</i> , 2007 , 98,	7.4	2
39	Pinning of a nanometric size vortex in superfluid 4He. <i>Physica B: Condensed Matter</i> , 2000 , 284-288, 87-882.8		2
38	Dissipative phase transition in a mesoscopic Josephson junction in a weak magnetic field. <i>Physica B: Condensed Matter</i> , 2000 , 284-288, 1832-1833	2.8	2
37	Pseudo-contact angle due to superfluid vortices in 4 He. <i>Europhysics Letters</i> , 2000 , 50, 222-228	1.6	2
36	Nuclear spin relaxation at ultralow temperatures. <i>Physical Review B</i> , 1999 , 59, 9462-9466	3.3	2
35	Nuclear magnetic ordering in silver at positive and negative spin temperatures. <i>Physica Scripta</i> , 1993 , T49A, 327-332	2.6	2
34	Hanbury-Brown and Twiss exchange and non-equilibrium-induced correlations in disordered, four-terminal graphene-ribbon conductor. <i>Scientific Reports</i> , 2018 , 8, 14952	4.9	2
33	Weak antilocalization of composite fermions in graphene. <i>Physical Review B</i> , 2018 , 97,	3.3	1
32	Differential Bloch oscillating transistor pair. <i>Superconductor Science and Technology</i> , 2013 , 26, 065009	3.1	1
31	Micromanipulation transfer of membrane resonators for circuit optomechanics. <i>Journal of Micromechanics and Microengineering</i> , 2013 , 23, 125024	2	1
30	Local and non-local shot noise in multiwalled carbon nanotubes. <i>Europhysics Letters</i> , 2009 , 85, 37004	1.6	1

- 29 Diffusive Josephson junctions made out of multiwalled carbon nanotubes. *Journal of Physics: Conference Series*, **2009**, 150, 022091 0.3 1
- 28 Superconducting Electronics at mK Temperatures. *Journal of Low Temperature Physics*, **2004**, 135, 823-838 1
- 27 Spectroscopy of mesoscopic Josephson junction using inelastic Cooper-pair tunneling. *Physica E: Low-Dimensional Systems and Nanostructures*, **2003**, 18, 13-14 3 1
- 26 Bloch oscillating transistor as the readout element for hot electron bolometers **2004**, 1
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