

Kimitoshi Kono

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4524397/publications.pdf>

Version: 2024-02-01

219
papers

3,110
citations

218381

26
h-index

205818

48
g-index

232
all docs

232
docs citations

232
times ranked

1637
citing authors

#	ARTICLE	IF	CITATIONS
1	Restitution Coefficient in a Collision between Two Spheres. Japanese Journal of Applied Physics, 1987, 26, 1230-1233.	0.8	505
2	Superconductivity in an Inorganic Electride $12\text{CaO}\cdot 7\text{Al}_2\text{O}_3$. Journal of the American Chemical Society, 2007, 129, 7270-7271.	6.6	199
3	Two-Dimensional Coulomb Liquids and Solids. Springer Series in Solid-state Sciences, 2004, , .	0.3	172
4	Dynamical Transition in the Wigner Solid on a Liquid Helium Surface. Physical Review Letters, 1995, 74, 781-784.	2.9	99
5	Novel Radiation-Induced Magnetoresistance Oscillations in a Nondegenerate Two-Dimensional Electron System on Liquid Helium. Physical Review Letters, 2009, 103, 266808.	2.9	69
6	Evidence of Supersolidity in Rotating Solid Helium. Science, 2010, 330, 1512-1515.	6.0	62
7	Surface study of liquid ^3He using surface state electrons. Journal of Low Temperature Physics, 1995, 101, 439-444.	0.6	60
8	Photon-Induced Vanishing of Magnetoconductance in 2D Electrons on Liquid Helium. Physical Review Letters, 2010, 105, 226801.	2.9	60
9	Point-Contact Transport Properties of Strongly Correlated Electrons on Liquid Helium. Physical Review Letters, 2011, 106, 026803.	2.9	54
10	Nonlinear Transport of the Wigner Solid on Superfluid ^4He in a Channel Geometry. Physical Review Letters, 2009, 102, 046807.	2.9	53
11	Chiral Symmetry Breaking in Superfluid ^3He -A. Science, 2013, 341, 59-62.	6.0	50
12	Sliding wigner solid on liquid ^4He . Journal of Low Temperature Physics, 1996, 104, 237-264.	0.6	48
13	Stick-Slip Motion of the Wigner Solid on Liquid Helium. Physical Review Letters, 2016, 116, 206801.	2.9	43
14	Transmission Spectra of Third Sound in a Fibonacci Lattice. Journal of the Physical Society of Japan, 1991, 60, 368-371.	0.7	39
15	Wigner Solid on the Free Surface of Superfluid ^3He . Physical Review Letters, 1997, 79, 4218-4221.	2.9	39
16	An incompressible state of a photo-excited electron gas. Nature Communications, 2015, 6, 7210.	5.8	36
17	Resonant Photovoltaic Effect in Surface State Electrons on Liquid Helium. Journal of the Physical Society of Japan, 2012, 81, 093601.	0.7	35
18	Electron escape from the image-potential-induced surface states on liquid helium. Journal of Low Temperature Physics, 1980, 38, 293-310.	0.6	34

#	ARTICLE	IF	CITATIONS
19	Microwave-Resonance-Induced Resistivity: Evidence of Ultrahot Surface-State Electrons on Liquid He3. Physical Review Letters, 2007, 98, 235302.	2.9	34
20	Voltage-Selective Bidirectional Polarization and Coherent Rotation of Nuclear Spins in Quantum Dots. Physical Review Letters, 2011, 107, 026602.	2.9	34
21	Commensurability-Dependent Transport of a Wigner Crystal in a Nanoconstriction. Physical Review Letters, 2012, 108, 176801.	2.9	34
22	Enhancement of Rashba coupling in vertical In _{0.05} Ga _{0.95} As/GaAs quantum dots. Physical Review B, 2011, 84, .	1.1	33
23	Effect of Coulomb Interaction on Microwave-Induced Magnetoconductivity Oscillations of Surface Electrons on Liquid Helium. Physical Review Letters, 2013, 111, 266802.	2.9	33
24	Cupric oxide nanoparticles in SiO ₂ fabricated by copper-ion implantation combined with thermal oxidation. Applied Physics Letters, 2005, 87, 153105.	1.5	31
25	On superconductivity of the organic conductor $\hat{I}\pm$ -(BEDT-TTF)2KHg(SCN)4. Solid State Communications, 1993, 85, 1005-1009.	0.9	29
26	Evidence for Reentrant Melting in a Quasi-One-Dimensional Wigner Crystal. Physical Review Letters, 2012, 109, 236802.	2.9	29
27	Inelastic Quantum Magnetotransport in a Highly Correlated Two-Dimensional Electron Liquid. Physical Review Letters, 1997, 78, 2445-2448.	2.9	27
28	Spin Bottleneck in Resonant Tunneling through Double Quantum Dots with Different Zeeman Splittings. Physical Review Letters, 2010, 104, 136801.	2.9	26
29	Dynamic Properties of the Two-Dimensional Wigner Solid on the Surface of Normal and Superfluid ³ He. Journal of the Physical Society of Japan, 1997, 66, 3901-3907.	0.7	25
30	Resonant Correlation-Induced Optical Bistability in an Electron System on Liquid Helium. Physical Review Letters, 2009, 103, 096801.	2.9	25
31	Helium-film-induced retrapping transition in the two-dimensional electron system above an uneven solid-hydrogen surface. Physical Review B, 1993, 47, 13812-13817.	1.1	24
32	Observation of Strong Electron Dephasing in Highly Disordered Cu ₉₃ Ge ₇ Films. Physical Review Letters, 2007, 99, 046601.	2.9	22
33	Superconductivity in $\hat{I}\pm$ -(BEDT-TTF)2MHg(SCN)4 (M=K, Rb, Tl, NH ₄). Synthetic Metals, 1995, 70, 899-902.	2.1	21
34	Electronic Magnetization of a Quantum Point Contact Measured by Nuclear Magnetic Resonance. Physical Review Letters, 2015, 115, 036601.	2.9	21
35	Surface-state electrons on a hydrogen film. 1. Annealing of the film. Journal of Low Temperature Physics, 1991, 82, 279-293.	0.6	20
36	Superconducting Transition in Electron-Doped $12\text{CaO}\cdot 7\text{Al}_2\text{O}_3\cdot 2\text{SiO}_2\cdot 3\text{H}_2\text{O}$. Materials Transactions, 2008, 49, 1748-1752.	0.4	20

#	ARTICLE	IF	CITATIONS
37	Tuning Interface Barrier in 2D BP/ReSe ₂ Heterojunctions in Control of Optoelectronic Performances and Energy Conversion Efficiencies. ACS Photonics, 2020, 7, 2886-2895.	3.2	20
38	Reproducible formation of nanoscale-gap electrodes for single-molecule measurements by combination of FIB deposition and tunneling current detection. Microelectronic Engineering, 2006, 83, 1471-1473.	1.1	19
39	Staircaselike Suppression of Supersolidity under Rotation. Physical Review Letters, 2012, 108, 105302.	2.9	19
40	Experimental proof of the existence of water clusters in fullerene-like PrF ₃ nanoparticles. JETP Letters, 2012, 96, 181-183.	0.4	19
41	Metallic nanowires and mesoscopic networks on a free surface of superfluid helium and charge-shuttling across the liquid-gas interface. Physical Chemistry Chemical Physics, 2016, 18, 26444-26455.	1.3	18
42	Spin Kinetics of ³ He in Contact with Synthesized PrF ₃ Nanoparticles. Journal of Low Temperature Physics, 2011, 162, 645-652.	0.6	16
43	Observation of Intrinsic Magnus Force and Direct Detection of Chirality in Superfluid ³ He-A. Journal of the Physical Society of Japan, 2015, 84, 044602.	0.7	16
44	Taylor cone and electro spraying at a free surface of superfluid helium charged from below. Physical Review E, 2017, 95, 053110.	0.8	16
45	Escape rate of two-dimensional electrons on a liquid helium surface around 1 K. Journal of Low Temperature Physics, 1979, 34, 539-550.	0.6	15
46	Resonant transmission and velocity renormalization of third sound in one-dimensional random lattices. Physical Review Letters, 1992, 69, 1185-1188.	2.9	15
47	Microwave Absorption of Surface-State Electrons on Liquid ³ He. Journal of the Physical Society of Japan, 2007, 76, 094704.	0.7	15
48	Melting of a quasi-one-dimensional Wigner crystal: Electrons on superfluid H_4 in a narrow channel. Physical Review B, 2010, 82, .	1.1	15
49	Anomalous Propagation of Short-Wavelength Third Sound. Journal of the Physical Society of Japan, 1981, 50, 721-722.	0.7	14
50	Reentrant Melting of a Classical Quasi-One-Dimensional Wigner Crystal on the Surface of Liquid Helium. Journal of the Physical Society of Japan, 2013, 82, 124602.	0.7	14
51	Surface Fluctuations of Normal and Superfluid ³ He Probed by Wigner Solid Dynamics. Physical Review Letters, 2001, 86, 4064-4067.	2.9	13
52	Mobility of Ions Trapped Below a Free Surface of Superfluid ³ He. Journal of the Physical Society of Japan, 2013, 82, 124607.	0.7	13
53	Water waves in a ripple tank. American Journal of Physics, 1986, 54, 1002-1007.	0.3	12
54	Surface state electrons on a hydrogen film. 2. Influence of adsorbed helium films. Journal of Low Temperature Physics, 1991, 85, 423-444.	0.6	12

#	ARTICLE	IF	CITATIONS
55	Transport properties of the Wigner solid on liquid ³ He. European Physical Journal D, 1996, 46, 341-342.	0.4	12
56	Nonlinear Wigner Solid Transport on the Free Surface of Normal and Superfluid ³ He. Physical Review Letters, 2004, 93, 176805.	2.9	12
57	Nonlinear Conductivity of the Two-dimensional Wigner Solid on the Free Surface of Normal and Superfluid ³ He. Journal of the Physical Society of Japan, 2005, 74, 960-969.	0.7	12
58	Escape rate of two-dimensional electrons on liquid helium surface. Solid State Communications, 1978, 27, 1379-1383.	0.9	11
59	Sliding of the Wigner solid on liquid helium. Surface Science, 1996, 361-362, 826-830.	0.8	11
60	Photoresonance and conductivity of surface electrons on liquid He ³ . Low Temperature Physics, 2008, 34, 377-384.	0.2	11
61	Nonlinear Wigner solid transport over superfluid helium under ac conditions. Low Temperature Physics, 2009, 35, 356-364.	0.2	11
62	Transport Measurements of Strongly Correlated Electrons on Helium in a Classical Point-Contact Device. Journal of Low Temperature Physics, 2012, 166, 107-124.	0.6	11
63	Structural order and melting of a quasi-one-dimensional electron system. Physical Review B, 2016, 94, .	1.1	11
64	Ripplonic Lamb Shift for Electrons on Liquid Helium. Physical Review Letters, 2017, 119, 256802.	2.9	11
65	Dynamics of the Vortex-Particle Complexes Bound to the Free Surface of Superfluid Helium. Physical Review Letters, 2019, 122, 174502.	2.9	11
66	Escape rate of surface state electrons on liquid helium below 1 K. Journal of Low Temperature Physics, 1982, 46, 195-203.	0.6	10
67	Texture of Superfluid ³ He Probed by a Wigner Solid. Physical Review Letters, 2006, 97, 165303.	2.9	10
68	Microwave-Absorption-Induced Heating of Surface State Electrons on Liquid ³ He. Journal of the Physical Society of Japan, 2008, 77, 034705.	0.7	10
69	Transport of Electrons on Liquid Helium Across a Tunable Potential Barrier in a Point Contact-like Geometry. Journal of Low Temperature Physics, 2010, 158, 301-306.	0.6	10
70	Single-File Transport of Classical Electrons on the Surface of Liquid Helium. Biophysical Reviews and Letters, 2014, 09, 397-411.	0.9	10
71	Motion of metallic microparticles in superfluid helium in the presence of space charge. Physics of Fluids, 2017, 29, 047106.	1.6	10
72	Irradiation Temperature Dependence of Residual Defects in 17MeV-Proton Bombarded Silicon. Materials Science Forum, 1995, 196-201, 1159-1164.	0.3	9

#	ARTICLE	IF	CITATIONS
73	Plasma Resonance of the Wigner Solid on the Free Surface of Normal and Superfluid ^3He . Journal of Low Temperature Physics, 1998, 113, 1103-1108.	0.6	9
74	Bistable transport properties of a quasi-one-dimensional Wigner solid on liquid helium under continuous driving. Physical Review B, 2017, 96, .	1.1	9
75	Laser spectroscopy of phonons and rotons in superfluid helium doped with Dy atoms. Physical Review B, 2018, 97, .	1.1	9
76	Transmission Gaps of Third Sound on a Periodic Substrate. Journal of the Physical Society of Japan, 1991, 60, 364-367.	0.7	8
77	Electrons on superfluid ^3He . Physica B: Condensed Matter, 2000, 280, 112-116.	1.3	8
78	Ion Emitter based on Carbon Nanotubes in Liquid Helium. Journal of Low Temperature Physics, 2005, 138, 899-903.	0.6	8
79	Spin blockade in a double quantum dot containing three electrons. Physical Review B, 2014, 89, .	1.1	8
80	Structural Transitions in a Quasi-1D Wigner Solid on Liquid Helium. Journal of Low Temperature Physics, 2016, 182, 28-37.	0.6	8
81	Stability of Surface State Electrons on Helium Films. Journal of Low Temperature Physics, 2016, 183, 258-263.	0.6	8
82	Spectroscopy of Ba^+ ions in liquid ^4He . AIP Advances, 2018, 8, .	0.6	8
83	Chemical reaction between hydrogen atoms and electrons on the surface of superfluid ^4He . Physica B: Condensed Matter, 2000, 284-288, 164-165.	1.3	7
84	Wigner solid on the free surface of superfluid ^3He -A. Physica B: Condensed Matter, 2000, 284-288, 277-278.	1.3	7
85	First Mobility Measurement of Ions Trapped Below the Normal and Superfluid ^3He Surface. Journal of Low Temperature Physics, 2002, 126, 493-498.	0.6	7
86	Dynamic Surface Properties of Liquid ^3He Probed by Surface State Electrons. Journal of Low Temperature Physics, 2002, 126, 467-476.	0.6	7
87	Study of dynamical properties of superfluid film flow by inter-digitated capacitors. Physica B: Condensed Matter, 2003, 329-333, 131-132.	1.3	7
88	Measurement of Superfluid ^3He Film Flow by Inter-digitated Capacitors. Journal of Low Temperature Physics, 2004, 134, 357-362.	0.6	7
89	Tuning of Metal-Insulator Transition of Quasi-Two-Dimensional Electrons at Parylene/ SrTiO_3 Interface by Electric Field. Journal of the Physical Society of Japan, 2009, 78, 083713.	0.7	7
90	Spin blockade and nuclear spin effect in a g-factor modulated vertical double quantum dot. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 833-836.	1.3	7

#	ARTICLE	IF	CITATIONS
91	Voltage Switching Technique for Detecting Nuclear Spin Polarization in a Quantum Dot. Japanese Journal of Applied Physics, 2010, 49, 04DJ07.	0.8	7
92	The Helium Field Effect Transistor (I): Storing Surface State Electrons on Helium Films. Journal of Low Temperature Physics, 2012, 167, 15-25.	0.6	7
93	Self-Generated Audio-Frequency Oscillations in 2D Electrons with Nonequilibrium Carrier Distribution on Liquid Helium. Journal of the Physical Society of Japan, 2013, 82, 075002.	0.7	7
94	Experimental study of energy relaxation of hot electrons on liquid helium-4. Europhysics Letters, 2013, 104, 47007.	0.7	7
95	Melting of Wigner Crystal on Helium in Quasi-One-Dimensional Geometry. Journal of Low Temperature Physics, 2015, 179, 251-263.	0.6	7
96	Zero-phonon lines in the spectra of dysprosium atoms in superfluid helium. Physical Review B, 2019, 99, .	1.1	7
97	Review: Observation of Majorana Bound States at a Free Surface of ${}^3\text{He-B}$. Journal of Low Temperature Physics, 2019, 195, 343-357.	0.6	7
98	Decay Heating and Microwave Resonance-Induced Resistivity of Surface Electrons on Liquid Helium. Journal of the Physical Society of Japan, 2007, 76, 124702.	0.7	7
99	Electron escape from the image-potential-induced surface states on liquid helium. Surface Science, 1980, 98, 17-21.	0.8	6
100	Experimental Study on Coupled Plasmon-Ripplon Resonances and the Debye-Waller Factor of the Wigner Crystal. Journal of the Physical Society of Japan, 1987, 56, 1111-1122.	0.7	6
101	Surface state electrons on solid hydrogen films. Physica B: Condensed Matter, 1990, 165-166, 841-842.	1.3	6
102	Third-Sound Propagation in a Thue-Morse Lattice. Journal of the Physical Society of Japan, 1992, 61, 173-179.	0.7	6
103	Persistent Excited Conductivity Induced by Proton Irradiation in a-Si:H. Materials Science Forum, 1997, 258-263, 599-604.	0.3	6
104	Wigner solid dynamics on normal and superfluid ${}^3\text{He}$. Physica B: Condensed Matter, 1998, 249-251, 636-639.	1.3	6
105	High-Frequency Conductivity and Phonon Damping of a Two-Dimensional Wigner Solid on a Free Surface of Liquid ${}^3\text{He}$. Journal of the Physical Society of Japan, 2001, 70, 1617-1626.	0.7	6
106	Nonlinear transport of ions trapped below the free surface of superfluid. Physica B: Condensed Matter, 2003, 329-333, 346-347.	1.3	6
107	Transport Properties of Two-Dimensional Wigner Solid on Free Surface of Liquid ${}^3\text{He}$ - ${}^4\text{He}$ Mixtures. Journal of the Physical Society of Japan, 2006, 75, 044601.	0.7	6
108	Dynamic Stability of Metal-Nanocluster Composites Based on LiNbO_3 Under Heavy-Ion Bombardment. Ferroelectrics, 2008, 373, 127-132.	0.3	6

#	ARTICLE	IF	CITATIONS
109	Electrons on the Surface of Superfluid ^3He . Journal of Low Temperature Physics, 2010, 158, 288-300.	0.6	6
110	Quantized escape and formation of edge channels at high Landau levels and edge transport mediated zero-differential resistance states. Physical Review B, 2014, 90, .	1.1	6
111	Laser Spectroscopy of Ba^+ Ions in Liquid He: Towards the Detection of Majorana Fermion Surface State in Superfluid $^3\text{He-B}$. Journal of Low Temperature Physics, 2014, 175, 63-69.	0.6	6
112	The self-assembly of DyF ₃ nanoparticles synthesized by chloride-based route. Journal of Nanoparticle Research, 2018, 20, 1.	0.8	6
113	Dynamical decoupling and recoupling of the Wigner solid to a liquid helium substrate. Physical Review B, 2020, 102, .	1.1	6
114	Anomalous Motion of a Sphere Falling through Water. Journal of the Physical Society of Japan, 1983, 52, 3373-3381.	0.7	5
115	Splash Produced by a Smooth Sphere or Circular Cylinder Striking a Liquid Surface. Journal of the Physical Society of Japan, 1987, 56, 2733-2743.	0.7	5
116	Sliding of the wigner solid from the coupled plasmon-ripplon surface deformation. Journal of Low Temperature Physics, 1995, 101, 433-438.	0.6	5
117	Acoustic Transmission Spectra in the Penrose Lattice. Physical Review Letters, 1995, 75, 3106-3109.	2.9	5
118	Damping of Edge Magnetoplasmons and Quantum Transport of Surface-State Electrons on Liquid Helium. Journal of the Physical Society of Japan, 1997, 66, 533-536.	0.7	5
119	Conductivity of the Wigner Solid on the Free Surface of Superfluid $^3\text{He-B}$. Journal of Low Temperature Physics, 1998, 110, 179-184.	0.6	5
120	Nonlinear quantum magnetotransport in a strongly correlated two-dimensional electron liquid. Physical Review B, 1998, 58, 3762-3776.	1.1	5
121	Melting of Two-Dimensional Electron Crystal on Liquid ^3He Induced by Resonance Microwave Absorption. Journal of Low Temperature Physics, 2008, 150, 236-241.	0.6	5
122	Bistability and hysteresis of intersubband absorption in strongly interacting electrons on liquid helium. Physical Review B, 2012, 85, .	1.1	5
123	First Study of Intersubband Absorption in Electrons on Helium under Quantizing Magnetic Fields. Journal of the Physical Society of Japan, 2013, 82, 043601.	0.7	5
124	Effect of rotation on the elastic moduli of solid He^4 . Physical Review B, 2018, 97, .	1.1	5
125	Surface state electrons on quench-condensed hydrogen films as a surface probe. Surface Science, 1993, 283, 423-426.	0.8	4
126	Sliding dynamics of the electron crystal on liquid helium: A pulsed study. European Physical Journal D, 1996, 46, 337-338.	0.4	4

#	ARTICLE	IF	CITATIONS
127	Detrapping aspects of ripplonic polarons on a liquid helium film. Physical Review B, 2002, 65, .	1.1	4
128	Mixing 2D electrons and atomic hydrogen on the liquid helium surface. Physica B: Condensed Matter, 2003, 329-333, 415-418.	1.3	4
129	Cold electron attachment to atomic hydrogen on liquid helium surface. Physica B: Condensed Matter, 2003, 329-333, 439-440.	1.3	4
130	New Rotating Dilution Refrigerator for a Study of the Free Surface of Superfluid He. AIP Conference Proceedings, 2006, , .	0.3	4
131	Thickness Dependence of Critical Current of Superfluid 3He Film. Journal of Low Temperature Physics, 2007, 148, 483-487.	0.6	4
132	Quasiparticle Scattering Model for Interpreting the Wigner Solid Resistivity on the Surface of Superfluid 3He. Journal of the Physical Society of Japan, 2008, 77, 111004.	0.7	4
133	Shear resonance and torsional oscillator measurements of solid 4He under dc rotation. Physical Review B, 2012, 86, .	1.1	4
134	Unexpected Density Dependence of Mobility of Electron Bubbles Trapped Below the Free Surface of Normal 3He. Journal of Low Temperature Physics, 2013, 171, 159-164.	0.6	4
135	Bound-bound transitions in the emission spectra of Ba ⁺ -He excimer. Physical Review A, 2016, 93, .	1.0	4
136	Development of Magnetization Measurement Devices Using Micro-dc-SQUIDs and a Sr ⁹⁰ Y ⁹⁰ Microplate. Journal of Low Temperature Physics, 2016, 183, 292-299.	0.6	4
137	Automatic Quasiparticle Reflection from the Surface of a ^3He Film	2.9	4
138	Dynamics of Fine Particles Due to Quantized Vortices on the Surface of Superfluid ^4He . Journal of Low Temperature Physics, 2019, 196, 190-196.	0.6	4
139	Edge magnetoplasmons on a liquid helium surface and quantum transport in a high magnetic field. European Physical Journal D, 1996, 46, 339-340.	0.4	3
140	Microwave absorption saturation and decay heating of surface electrons on liquid helium. Low Temperature Physics, 2007, 33, 718-720.	0.2	3
141	Investigation of Microwave Absorption of Surface-State Electrons on Liquid 3He. Journal of Low Temperature Physics, 2007, 148, 187-191.	0.6	3
142	Spin Transport from Doublet State to Triplet State in Vertical Quantum Dots. Japanese Journal of Applied Physics, 2008, 47, 3257-3260.	0.8	3
143	Self-Sustained Microwave Absorption Induced by Extremely High Radiation Intensities in Surface Electrons on Liquid Helium. Journal of Low Temperature Physics, 2010, 158, 324.	0.6	3
144	Spatial gradient of dynamic nuclear spin polarization induced by breakdown of the quantum Hall effect. Physical Review B, 2011, 83, .	1.1	3

#	ARTICLE	IF	CITATIONS
145	Spin blockade with spin singlet electrons. Applied Physics Letters, 2012, 101, 263108.	1.5	3
146	Resistive detection of nuclear spins in a single quantum dot under Kondo effect regime. Physical Review B, 2013, 87, .	1.1	3
147	Onset of Superfluidity in ^3He Films. Physical Review B, 2016, 117, 205302.	2.9	3
148	Reinvestigation of the rotation effect in solid ^4He with a rigid torsional oscillator. Physical Review B, 2018, 98, .	1.1	3
149	Temperature dependence of third-sound velocity in the vicinity of T_c . Journal of Low Temperature Physics, 1984, 57, 319-330.	0.6	2
150	Possible correlation effects of surface state electrons on a solid hydrogen film. Journal of Low Temperature Physics, 1992, 89, 743-746.	0.6	2
151	Interaction between third sound and surface irregularities. Surface Science, 1993, 283, 414-418.	0.8	2
152	Third Sound of Superfluid ^4He Films in the Penrose Lattice. Materials Science Forum, 1994, 150-151, 473-480.	0.3	2
153	Experimental study of the surface properties of superfluid and normal ^3He by plasma resonance of Wigner solid. Physica B: Condensed Matter, 2000, 284-288, 279-280.	1.3	2
154	Chemical reaction of surface state electrons on liquid helium with atomic hydrogen. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 6, 880-883.	1.3	2
155	Radiation-induced Conductivity and Simultaneous Photoconductivity Suppression in 6H-SiC under 17 MeV Proton Irradiation. Materials Science Forum, 2000, 338-342, 977-980.	0.3	2
156	Nonlinear Transport of Wigner Solid on Superfluid ^3He . Journal of Low Temperature Physics, 2007, 148, 489-493.	0.6	2
157	Microwave-Resonance Induced Change in Magneto-Resistivity: Hot Surface Electrons on Liquid ^3He . Journal of Low Temperature Physics, 2008, 150, 230-235.	0.6	2
158	Electron attachment to atomic hydrogen on the surface of liquid ^4He . Low Temperature Physics, 2008, 34, 397-403.	0.2	2
159	The study of the system "Van Vleck paramagnet Pr^{3+} -Helium-3". Journal of Physics: Conference Series, 2009, 150, 032019.	0.3	2
160	Singlet-Triplet Mixing Due to g-Factor Mismatch in Double Quantum Dot. Japanese Journal of Applied Physics, 2011, 50, 04DJ03.	0.8	2
161	Series-Coupled Triple Quantum Dot Molecules. Japanese Journal of Applied Physics, 2012, 51, 02BJ06.	0.8	2
162	Dynamic nuclear polarization with three electrons in a vertical double quantum dot. Physical Review B, 2013, 88, .	1.1	2

#	ARTICLE	IF	CITATIONS
163	Strong Rashba Spin-Orbit Interaction Intensity in Low-Potential-Barrier Quantum Dots. Japanese Journal of Applied Physics, 2013, 52, 04CJ02.	0.8	2
164	Comprehensive Macroscopic Investigation on Hexagonal C14 Laves-Type Ru-Based Superconductors ARu ₂ (A = Lu, Y, Sc) with Effective Electron Correlation. Journal of the Physical Society of Japan, 2013, 82, 124703.	0.7	2
165	Nonlinear Transport of Positive Ions Below a Free Surface of Topological Superfluid $^3\text{He-B}$. Journal of Low Temperature Physics, 2014, 175, 718-724.	0.6	2
166	Development of a Two-Dimensional Micro-SQUID Array for Investigation of Magnetization Spatial Distribution. Journal of Low Temperature Physics, 2016, 183, 300-306.	0.6	2
167	Investigation of the Vortex States of Sr ₂ RuO ₄ -Ru Eutectic Microplates Using DC-SQUIDS. Journal of the Physical Society of Japan, 2017, 86, 114708.	0.7	2
168	Imaging and time-resolved study of laser-induced fluorescence of dysprosium atoms injected into superfluid helium. Physical Review B, 2020, 101, .	1.1	2
169	Pulse Fourier transform method to study coupled plasmon-ripplon mode. Surface Science, 1986, 170, 75-79.	0.8	1
170	Third sound in one and two dimensional modulated structures. Journal of Low Temperature Physics, 1996, 102, 359-364.	0.6	1
171	Quantum magnetotransport in a highly correlated two-dimensional electron liquid on a superfluid helium surface. Low Temperature Physics, 1997, 23, 472-479.	0.2	1
172	Transverse Optical Resonance of Wigner Solid as a Sensitive Probe of Liquid Helium Surface. Journal of Low Temperature Physics, 2002, 126, 97-102.	0.6	1
173	Transport property of surface state electrons on the rotating superfluid. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 18, 175-176.	1.3	1
174	Temperature Dependence of the Conductivity of Two-Dimensional Electron System on Superfluid Helium Film Using Nano-Gapped Electrode. AIP Conference Proceedings, 2006, , .	0.3	1
175	Observation of vortex expulsion in mesoscopic superconducting disks. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 40, 339-342.	1.3	1
176	Wigner Solid Transition of Electrons Confined in Microchannel. Journal of Low Temperature Physics, 2008, 150, 224-229.	0.6	1
177	Transport Properties of Two-dimensional Snowballs Below the Surface of $^4\text{He-II}$ Under Rotation. Journal of Low Temperature Physics, 2010, 158, 391.	0.6	1
178	Electrostatic Manipulation of Level of Bulk Liquid for Studies of Saturated Superfluid ^3He Films. Journal of Low Temperature Physics, 2010, 158, 716-721.	0.6	1
179	Electrons Take Their Places on a Liquid Helium Grid. Physics Magazine, 2011, 4, .	0.1	1
180	Cotunneling effects in GaAs vertical double quantum dots. JETP Letters, 2011, 93, 199-202.	0.4	1

#	ARTICLE	IF	CITATIONS
181	Electrical Detection of Nuclear Magnetic Resonance Signal of Nuclear Spins of Order 10^4 in a Semiconductor Double Quantum Dot. Applied Physics Express, 2012, 5, 025002.	1.1	1
182	Nonlinear Transports of Electrons on Liquid ^4He in a $1.6 \mu\text{m}$ Channel. Journal of Physics: Conference Series, 2012, 400, 012020.	0.3	1
183	Pulsed transport of electrons on liquid helium confined in narrow channels. Journal of Physics: Conference Series, 2014, 568, 012008.	0.3	1
184	Critical Behavior of Alternately Pumped Nuclear Spins in Quantum Dots. Physical Review Letters, 2015, 115, 186803.	2.9	1
185	The Helium Field Effect Transistor (II): Gated Transport of Surface-State Electrons Through Micro-constrictions. Journal of Low Temperature Physics, 2016, 185, 339-353.	0.6	1
186	Transport of electrons on liquid helium in a microchannel device near the current threshold. JETP Letters, 2016, 104, 323-328.	0.4	1
187	Trapping of metallic nanoparticles under the free surface of superfluid helium in a static electric field. Physics of Fluids, 2019, 31, 077104.	1.6	1
188	Can Warmer than Room Temperature Electrons Levitate Above a Liquid Helium Surface?. Journal of Low Temperature Physics, 2019, 195, 307-318.	0.6	1
189	Reply to "Comment on "Effect of rotation on the elastic moduli of solid ^4He ". Physical Review B, 2019, 99, .	1.1	1
190	Perturbations of a Free Surface of Superfluid Helium by the Ion Wind Produced by a Corona Discharge Above the Liquid. Journal of Low Temperature Physics, 2019, 195, 327-335.	0.6	1
191	Generation and Demolishment Mechanisms of Vapor Bubble Around Hot Tungsten Filament in Superfluid Helium-4. Journal of Low Temperature Physics, 2021, 202, 418-430.	0.6	1
192	Nonlinear Transport of the Electron Crystal. Physics and Chemistry of Materials With Low-dimensional Structures, 1997, , 175-189.	1.0	1
193	Evidence for correlation effects in escape rate of 2D electrons on liquid He. Surface Science Letters, 1982, 113, A32.	0.1	0
194	New application of third sound for the study of quasiperiodic systems. Journal of Low Temperature Physics, 1992, 89, 573-576.	0.6	0
195	Third sound propagation in quasicrystals. Physica B: Condensed Matter, 1996, 219-220, 332-335.	1.3	0
196	Dynamics of the sliding transition in the Wigner solid on liquid ^4He . Physica B: Condensed Matter, 1996, 219-220, 666-668.	1.3	0
197	Fluctuation properties of third sound transmission in random media. Physica B: Condensed Matter, 1999, 263-264, 373-375.	1.3	0
198	Frequency dependence of third-sound attenuation near the Kosterlitz-Thouless transition. Physica B: Condensed Matter, 2000, 284-288, 127-128.	1.3	0

#	ARTICLE	IF	CITATIONS
199	Search for short-wavelength surface waves on a superfluid 3He film. <i>Physica B: Condensed Matter</i> , 2000, 284-288, 281-282.	1.3	0
200	Nonlinear transport of the Wigner solid on normal and superfluid 3He surfaces. <i>Journal of Physics and Chemistry of Solids</i> , 2005, 66, 1544-1548.	1.9	0
201	Magnetic Response of a Mesoscopic Superconducting Disk Surrounded by a Normal Metal. <i>AIP Conference Proceedings</i> , 2006, , .	0.3	0
202	Conductance Properties of Superconducting Aluminum Point Contacts. <i>AIP Conference Proceedings</i> , 2006, , .	0.3	0
203	Single-Electron Transistor Made from a Single Gold Colloidal Particle. <i>AIP Conference Proceedings</i> , 2006, , .	0.3	0
204	Anisotropy of Superfluid 3He Near Free Surface Investigated by Surface State Electrons. <i>Journal of Low Temperature Physics</i> , 2008, 150, 145-153.	0.6	0
205	Anomalous temperature dependence of microwave resonance-induced resistivity of surface-state electrons on liquid. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 1668-1670.	1.3	0
206	Corrigendum to "Nonlinear transport of the Wigner solid on normal and superfluid 3He surfaces". <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 1037.	1.9	0
207	Nonlinear resonant microwave absorption in strongly correlated hot 2D electrons on a liquid helium surface. <i>Journal of Physics: Conference Series</i> , 2009, 150, 022046.	0.3	0
208	Rearrangements on the Surface of Heavy-Ion-Implanted LiNbO ₃ . <i>Ferroelectrics</i> , 2010, 398, 42-48.	0.3	0
209	Revisit to the Transport Measurements of Electrons on Rotating Superfluid 4He. <i>Journal of the Physical Society of Japan</i> , 2011, 80, 025002.	0.7	0
210	Spin Bottleneck in Resonance Tunneling through In _{0.04} Ga _{0.96} As/GaAs Vertical Double Quantum Dots. <i>AIP Conference Proceedings</i> , 2011, , .	0.3	0
211	Level Broadening Effect in Electron Tunneling through Double Quantum Dots with Different Factors. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 04DJ02.	0.8	0
212	Stability and reconstruction of inverse gravity films (Review Article). <i>Low Temperature Physics</i> , 2012, 38, 991-1000.	0.2	0
213	A possible solution for charge sensing in vertical double quantum dots. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 345301.	0.7	0
214	Magnetization measurements of Sr ₂ RuO ₄ -Ru eutectic microplates using dc-SQUIDs. <i>Journal of Physics: Conference Series</i> , 2018, 969, 012040.	0.3	0
215	Coupled pair of one- and two-dimensional magnetoplasmons on electrons on helium. <i>Physical Review B</i> , 2021, 103, .	1.1	0
216	Level Broadening Effect in Electron Tunneling through Double Quantum Dots with Different Factors. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 04DJ02.	0.8	0

#	ARTICLE	IF	CITATIONS
217	Singlet-Triplet Mixing Due to g -Factor Mismatch in Double Quantum Dot. Japanese Journal of Applied Physics, 2011, 50, 04DJ03.	0.8	0
218	Low-Temperature Specific Heat Study of Hexagonal C14-Type Laves Phase Superconductors ARu ₂ (A = Lu, Tj) $T_{c0} \approx 0.04 T_{c0}^{\text{overlock}}$		
219	Critically Charged Superfluid ⁴ He Surface in Inhomogeneous Electric Fields. Journal of Low Temperature Physics, 2021, 202, 431-443.	0.6	0