Yoshihiro Iwasa

List of Publications by Year
in descending order

156	15,264	31902 53	17055 122
papers	citations	h-index	g-index

164	164	164	16746
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Emergent phenomena at oxide interfaces. Nature Materials, 2012, 11, 103-113.	13.3	2,086
2	Superconducting Dome in a Gate-Tuned Band Insulator. Science, 2012, 338, 1193-1196.	6.0	914
3	Electric-field-induced superconductivity in an insulator. Nature Materials, 2008, 7, 855-858.	13.3	864
4	Ambipolar MoS₂ Thin Flake Transistors. Nano Letters, 2012, 12, 1136-1140.	4.5	740
5	Electrically Switchable Chiral Light-Emitting Transistor. Science, 2014, 344, 725-728.	6.0	675
6	Highâ€Density Carrier Accumulation in ZnO Fieldâ€Effect Transistors Gated by Electric Double Layers of Ionic Liquids. Advanced Functional Materials, 2009, 19, 1046-1053.	7.8	522
7	Liquid-gated interface superconductivity on an atomically flat film. Nature Materials, 2010, 9, 125-128.	13.3	518
8	Zeeman-type spin splitting controlled by an electric field. Nature Physics, 2013, 9, 563-569.	6.5	462
9	Superconductivity protected by spinâ€“valley locking in ion-gated MoS2. Nature Physics, 2016, 12, 144-149.	6.5	419
10	Highly crystalline 2D superconductors. Nature Reviews Materials, 2017, 2, .	23.3	412
11	Endeavor of Iontronics: From Fundamentals to Applications of Ionâ€Controlled Electronics. Advanced Materials, 2017, 29, 1607054.	11.1	386
12	Valley-dependent spin polarization in bulk MoS2 with broken inversion symmetry. Nature Nanotechnology, 2014, 9, 611-617.	15.6	374
13	Metallic ground state in an ion-gated two-dimensional superconductor. Science, 2015, 350, 409-413.	6.0	243
14	Superconductivity Series in Transition Metal Dichalcogenides by Ionic Gating. Scientific Reports, 2015, 5, 12534.	1.6	234
15	Memristive phase switching in two-dimensional 1T-TaS ₂ crystals. Science Advances, 2015, 1, e1500606.	4.7	224
16	The Disorder-Free Non-BCS Superconductor Cs ₃ C ₆₀ Emerges from an Antiferromagnetic Insulator Parent State. Science, 2009, 323, 1585-1590.	6.0	217
17	Formation of a Stable pâ€“n Junction in a Liquid-Gated MoS₂ Ambipolar Transistor. Nano Letters, 2013, 13, 3023-3028.	4.5	204
18	Enhanced intrinsic photovoltaic effect in tungsten disulfide nanotubes. Nature, 2019, 570, 349-353.	13.7	197

#	Article	IF	Citations
19	Ambipolar Insulator-to-Metal Transition in Black Phosphorus by Ionic-Liquid Gating. ACS Nano, 2015, 9, 3192-3198.	7.3	180
20	Nonreciprocal charge transport in noncentrosymmetric superconductors. Science Advances, 2017, 3, e1602390.	4.7	180
21	Atomically phase-matched second-harmonic generation in a 2D crystal. Light: Science and Applications, 2016, 5, e16131-e16131.	7.7	165
22	Bulk rectification effect in a polar semiconductor. Nature Physics, 2017, 13, 578-583.	6.5	151
23	Superconductivity in a chiral nanotube. Nature Communications, 2017, 8, 14465.	5.8	143
24	Exciton Hall effect in monolayer MoS2. Nature Materials, 2017, 16, 1193-1197.	13.3	141
25	Field-Induced Superconductivity in Electric Double Layer Transistors. Journal of the Physical Society of Japan, 2014, 83, 032001.	0.7	139
26	Direct comparison of field-effect and electrochemical doping in regioregular poly(3-hexylthiophene). Applied Physics Letters, 2005, 86, 022104.	1.5	135
27	Organic single-crystal light-emitting field-effect transistors. Journal of Materials Chemistry C, 2014, 2, 965-980.	2.7	130
28	Controlling charge-density-wave states in nano-thick crystals of 1T-TaS2. Scientific Reports, 2014, 4, 7302.	1.6	126
29	Gate-Optimized Thermoelectric Power Factor in Ultrathin WSe₂ Single Crystals. Nano Letters, 2016, 16, 2061-2065.	4.5	123
30	Electrolyte-gated charge accumulation in organic single crystals. Applied Physics Letters, 2006, 89, 203501.	1.5	122
31	Gate-Tuned Thermoelectric Power in Black Phosphorus. Nano Letters, 2016, 16, 4819-4824.	4.5	113
32	A van der Waals interface that creates in-plane polarization and a spontaneous photovoltaic effect. Science, 2021, 372, 68-72.	6.0	109
33	Increase inTcupon Reduction of Doping inLixZrNClSuperconductors. Physical Review Letters, 2006, 97, 107001.	2.9	108
34	Layer-by-Layer Epitaxial Growth of Scalable WSe₂ on Sapphire by Molecular Beam Epitaxy. Nano Letters, 2017, 17, 5595-5599.	4.5	105
35	Tuning of the metal-insulator transition in electrolyte-gated NdNiO3 thin films. Applied Physics Letters, 2010, 97, .	1.5	102
36	Mottness versus unit-cell doubling as the driver of the insulating state in 1T-TaS2. Nature Communications, 2020, 11, 2477.	5.8	100

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37	Optimized unconventional superconductivity in a molecular Jahn-Teller metal. Science Advances, 2015, 1, e1500059.	4.7	98
38	Critical phenomena of emergent magnetic monopoles in a chiral magnet. Nature Communications, 2016, 7, 11622.	5.8	97
39	Fabrication of stretchable MoS2 thin-film transistors using elastic ion-gel gate dielectrics. Applied Physics Letters, 2013, 103, .	1.5	96
40	The pursuit of electrically-driven organic semiconductor lasers. Journal of Materials Chemistry C, 2014, 2, 2827.	2.7	87
41	Electrostatic charge accumulation versus electrochemical doping in SrTiO3 electric double layer transistors. Applied Physics Letters, 2010, 96, .	1.5	81
42	pâ€iâ€n Homojunction in Organic Lightâ€Emitting Transistors. Advanced Materials, 2011, 23, 2753-2758.	11.1	81
43	Radial Spin Texture in Elemental Tellurium with Chiral Crystal Structure. Physical Review Letters, 2020, 124, 136404.	2.9	76
44	Superconductivity, MottÂHubbard states, and molecular orbital order in intercalated fullerides. Journal of Physics Condensed Matter, 2003, 15, R495-R519.	0.7	71
45	Nonreciprocal transport in gate-induced polar superconductor SrTiO ₃. Science Advances, 2020, 6, eaay9120.	4.7	71
46	Specific Heat Measurement of the Layered Nitride SuperconductorLixZrNCl. Physical Review Letters, 2005, 94, 217002.	2.9	69
47	Gate-controlled BCS-BEC crossover in a two-dimensional superconductor. Science, 2021, 372, 190-195.	6.0	69
48	External electric field dependence of the structure of the electric double layer at an ionic liquid/Au interface. Applied Physics Letters, 2012, 101, 053122.	1.5	66
49	Interlayer-Spacing Dependence ofTcinLixMyHfNCl(M: Molecule) Superconductors. Physical Review Letters, 2008, 100, 247005.	2.9	65
50	Microscopic mechanisms behind the high mobility in rubrene single-crystal transistors as revealed by field-induced electron spin resonance. Physical Review B, 2011, 83, .	1.1	64
51	Quantum phase transitions in highly crystalline two-dimensional superconductors. Nature Communications, 2018, 9, 778.	5.8	63
52	High current densities in a highly photoluminescent organic single-crystal light-emitting transistor. Applied Physics Letters, 2010, 97, .	1.5	54
53	Liquid-gated electric-double-layer transistor on layered metal dichalcogenide, SnS2. Applied Physics Letters, 2011, 98, 012102.	1.5	54
54	Intrinsic 2D Ferromagnetism in V₅Se₈ Epitaxial Thin Films. Nano Letters, 2019, 19, 8806-8810.	4.5	54

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55	Magnetic Ordering in the Ammoniated Fulleride (ND3)K3C60. Journal of the American Chemical Society, 1999, 121, 11227-11228.	6.6	53
56	Quantifying van der Waals Interactions in Layered Transition Metal Dichalcogenides from Pressure-Enhanced Valence Band Splitting. Nano Letters, 2017, 17, 4982-4988.	4.5	53
57	Green light emission from the edges of organic single-crystal transistors. Applied Physics Letters, 2010, 97, 173301.	1.5	51
58	Enhancement of Pairing Interaction and Magnetic Fluctuations toward a Band Insulator in an Electron-Doped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Li</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:mi>ZrNCl</mml:mi></mml:math>Superco Physical Review Letters, 2009, 103, 077004.	2.9	50
59	Pressure-induced topological phase transition in noncentrosymmetric elemental tellurium. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 25530-25534.	3.3	48
60	Gate-induced superconductivity in two-dimensional atomic crystals. Superconductor Science and Technology, 2016, 29, 093001.	1.8	47
61	Deep-learning-based quality filtering of mechanically exfoliated 2D crystals. Npj Computational Materials, 2019, 5, .	3.5	46
62	Two-Dimensional Valley Electrons and Excitons in Noncentrosymmetric <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>3</mml:mn><mml:mi>R</mml:mi><mml:mtext>â^'</mml:mtext><mml:mrow><mml:msub><m Physical Review Applied, 2015, 4, .	1.5	43
63	Exceptionally High Electric Double Layer Capacitances of Oligomeric Ionic Liquids. Journal of the American Chemical Society, 2017, 139, 16072-16075.	6.6	42
64	Continuous Bandâ€Filling Control and Oneâ€Dimensional Transport in Metallic and Semiconducting Carbon Nanotube Tangled Films. Advanced Functional Materials, 2014, 24, 3305-3311.	7.8	41
65	Optoelectronic response of a WS ₂ tubular p - n junction. 2D Materials, 2018, 5, 035002.	2.0	41
66	Effective thickness of two-dimensional superconductivity in a tunable triangular quantum well of SrTiO3. Physical Review B, 2014, 89, .	1.1	40
67	Enhancement of luminescence intensity in TMPY/perylene co-single crystals. Journal of Materials Chemistry, 2011, 21, 17662.	6.7	38
68	High circular polarization in electroluminescence from MoSe2. Applied Physics Letters, 2016, 108, .	1.5	38
69	Modulation of ferromagnetism in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mo>(</mml:mo><mml:mi>In</mml:mi><mml:mo>,</mml:m wells via electrically controlled deformation of the electron wave functions. Physical Review B, 2015, 92, .	1.1	37
70	Elastic Stiffness of a Skyrmion Crystal. Physical Review Letters, 2014, 113, 267203.	2.9	35
71	Enhanced thermopower in ZnO two-dimensional electron gas. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6438-6443.	3.3	35
72	Spontaneous-polarization-induced photovoltaic effect in rhombohedrally stacked MoS2. Nature Photonics, 2022, 16, 469-474.	15.6	35

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73	Current switching of electronic structures in two-dimensional <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>1</mml:mn><mml:mi>T</mml:mi><mml:mtext>â^'</mml:mtext><mml:mi mathvariant="normal">S</mml:mi><mml:msub><mml:mi></mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> crystals. Physical Review B, 2017, 95, .	1.1	32
74	Hole reduction and electron accumulation in YBa<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>Cu<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>3</mml:mn></mml:mro	1.1	31
75	Symmetry Breaking and Nonlinear Electric Transport in van der Waals Nanostructures. Annual Review of Condensed Matter Physics, 2021, 12, 201-223.	5.2	30
76	Electron spin resonance observation of charge carrier concentration in organic field-effect transistors during device operation. Physical Review B, 2013, 87, .	1.1	28
77	Distinct Substrate Effect on the Reversibility of the Metalâ€“Insulator Transitions in Electrolyteâ€Gated VO₂ Thin Films. Advanced Electronic Materials, 2015, 1, 1500093.	2.6	28
78	Direct Imaging of Nanoscale Conductance Evolution in Ion-Gel-Gated Oxide Transistors. Nano Letters, 2015, 15, 4730-4736.	4.5	28
79	2D crystals of transition metal dichalcogenide and their iontronic functionalities. 2D Materials, 2015, 2, 044004.	2.0	28
80	Potential Profile of Stabilized Field-Induced Lateral pâ€“n Junction in Transition-Metal Dichalcogenides. ACS Nano, 2017, 11, 12583-12590.	7.3	27
81	Metastable Superconductivity in Two-Dimensional IrTe₂ Crystals. Nano Letters, 2018, 18, 3113-3117.	4.5	27
82	Modulation-doped-semiconductorlike behavior manifested in magnetotransport measurements of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">Li</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:mi mathvariant="normal">Zr</mml:mi><mml:mi mathvariant="normal">N</mml:mi><mml:mi mathvariant="normal">Cl</mml:mi></mml:mrow></mml:math>layered superconductors. Physical Revie	1.1	26
83	Ambipolar light-emitting organic single-crystal transistors with a grating resonator. Scientific Reports, 2015, 5, 10221.	1.6	26
84	Antiferromagnetâ€“Semiconductor Van Der Waals Heterostructures: Interlayer Interplay of Exciton with Magnetic Ordering. Nano Letters, 2020, 20, 4625-4630.	4.5	26
85	Revelations of the fullerenes. Nature, 2010, 466, 191-192.	13.7	25
86	Emergence of Multiple Superconducting Phases in (NH3)yMxFeSe (M: Na and Li). Scientific Reports, 2015, 5, 12774.	1.6	25
87	Diameter-Dependent Superconductivity in Individual WS2 Nanotubes. Nano Letters, 2018, 18, 6789-6794.	4.5	25
88	Gate-controlled low carrier density superconductors: Toward the two-dimensional BCS-BEC crossover. Physical Review B, 2018, 98, .	1.1	24
89	Transport Properties of Polymer Semiconductor Controlled by Ionic Liquid as a Gate Dielectric and a Pressure Medium. Advanced Functional Materials, 2014, 24, 2005-2012.	7.8	23
90	Enhanced cryogenic thermopower in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>SrTiO</mml:mi><mml:mn>3</mml:mn></mml:msub></m by ionic gating. Physical Review B, 2015, 92, .	1.1	22

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91	Ligand and Solvent Effects on Hole Transport in Colloidal Quantum Dot Assemblies for Electronic Devices. ACS Applied Nano Materials, 2018, 1, 5217-5225.	2.4	22
92	Superconductivity in molecule-intercalated<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Li</mml:mtext></mml:mrow><mml:mi>x</mml:mi></mml:msub> variable interlayer spacing. Physical Review B, 2010, 82, .	1.1	21
93	Upper critical field reaches 90â€‰tesla near the Mott transition in fulleride superconductors. Nature Communications, 2017, 8, 14467.	5.8	21
94	Two-dimensional magnetic interactions and magnetism of high-density charges in a polymer transistor. Applied Physics Letters, 2013, 102, .	1.5	20
95	Electron and lattice dynamics of transition metal thin films observed by ultrafast electron diffraction and transient optical measurements. Structural Dynamics, 2016, 3, 064501.	0.9	20
96	Extraction of the contact resistance from the saturation region of rubrene single-crystal transistors. Applied Physics Letters, 2011, 99, 233301.	1.5	19
97	Exclusive Electron Transport in Core@Shell PbTe@PbS Colloidal Semiconductor Nanocrystal Assemblies. ACS Nano, 2020, 14, 3242-3250.	7.3	19
98	Ultrafast switching to an insulating-like metastable state by amplitudon excitation of a charge density wave. Nature Physics, 2021, 17, 909-914.	6.5	19
99	Giant nonreciprocal magnetotransport in bulk trigonal superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>PbTa</mml:mi><mml:msub><mml:mi>Se</mml:mi><mml:mi> Physical Review Research, 2020, 2, .	1.2	19
100	Magnetic Anisotropy Control with Curie Temperature above 400 K in a van der Waals Ferromagnet for Spintronic Device. Advanced Materials, 2022, 34, e2201209.	11.1	19
101	Magnetic anisotropy control by applying an electric field to the side surface of ferromagnetic films. Scientific Reports, 2017, 7, 5618.	1.6	18
102	Upper critical field in the electron-doped layered superconductorZrNCl0.7: Magnetoresistance studies. Physical Review B, 2005, 72, .	1.1	17
103	Transport properties of a few nanometer-thick TiSe2 films grown by molecular-beam epitaxy. Applied Physics Letters, 2018, 113, 073101.	1.5	17
104	On-demand tuning of charge accumulation and carrier mobility in quantum dot solids for electron transport and energy storage devices. NPG Asia Materials, 2020, 12, .	3.8	17
105	Superconducting 3R-Ta_{1+x}Se₂ with Giant In-Plane Upper Critical Fields. Nano Letters, 2020, 20, 1725-1730.	4.5	16
106	Photodetection in pâ€“n junctions formed by electrolyte-gated transistors of two-dimensional crystals. Applied Physics Letters, 2016, 109, .	1.5	15
107	Tunable electronic properties by ligand coverage control in PbS nanocrystal assemblies. Nanoscale, 2019, 11, 20467-20474.	2.8	15
108	Spin frustration and magnetic ordering in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>S</mml:mi><mml:mo>=</mml:mo><mml:mfrac><mml:m antiferromagnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>fcc</mml:mi><mml:mo>â^'</mml:mo><mml mathvariant="normal">C</mml:mi></mml:mrow><mml:mn>60</mm. Physical Review B, 2014, 90, .	1.1	14

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109	Preparation of new superconductors by metal doping of two-dimensional layered materials using ethylenediamine. Physical Review B, 2017, 96, .	1.1	14
110	Robustly protected carrier spin relaxation in electrostatically doped transition-metal dichalcogenides. Physical Review B, 2017, 95, .	1.1	14
111	Nanotubes from layered transition metal dichalcogenides. Physics Today, 2020, 73, 42-48.	0.3	14
112	Spinâ€“Orbit-Induced Ising Ferromagnetism at a van der Waals Interface. Nano Letters, 2021, 21, 1807-1814.	4.5	14
113	Quantum and classical ratchet motions of vortices in a two-dimensional trigonal superconductor. Physical Review Research, 2020, 2, .	1.3	14
114	Electric-Field-Induced Superconductivity Detected by Magnetization Measurements of an Electric-Double-Layer Capacitor. Journal of the Physical Society of Japan, 2011, 80, 023708.	0.7	13
115	Probing the Chiral Domains and Excitonic States in Individual WS₂ Tubes by Second-Harmonic Generation. Nano Letters, 2021, 21, 4937-4943.	4.5	12
116	X(3)of M-X Chains. Molecular Crystals and Liquid Crystals, 1992, 217, 37-42.	0.3	11
117	Doping Variation of Optical Properties in ZrNCl Superconductors. Journal of the Physical Society of Japan, 2011, 80, 023702.	0.7	11
118	Strong suppression of coherence effect and appearance of pseudogap in the layered nitride superconductorLixZrNCl:Zr91- andN15-NMR studies. Physical Review B, 2014, 90, .	1.1	11
119	One-way supercurrent achieved in an electrically polar film. Nature, 2020, 584, 349-350.	13.7	11
120	Angle dependence of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">H</mml:mi><mml:mrow><mml:mi>c</mml:mi><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math> with a crossover between the orbital and paramagnetic limits. Physical Review Research, 2020, 2, .	1.3	11
121	Giant second harmonic transport under time-reversal symmetry in a trigonal superconductor. Nature Communications, 2022, 13, 1659.	5.8	11
122	Ionic liquid gated electric-double-layer transistors based on Mg-doped InN epitaxial films. Applied Physics Letters, 2013, 103, .	1.5	10
123	Electrical Conduction at the Interface between Insulating van der Waals Materials. Advanced Functional Materials, 2019, 29, 1900354.	7.8	10
124	Thermal variations of iodine nanostructures inside the channels of AlPO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>-5 zeolite single crystals. Physical Review B, 2011, 83, .	1.1	9
125	Interface transport properties in ion-gated nano-sheets. European Physical Journal: Special Topics, 2013, 222, 1185-1201.	1.2	9
126	Bulk superconductivity and fully gapped superconducting state in Ba-doped phenanthrene. Physical Review B, 2012, 85, .	1.1	8

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127	Room-temperature side-gate-induced current modulation in a magnetic tunnel junction with an oxide-semiconductor barrier for vertical spin MOSFET operation. Applied Physics Express, 2019, 12, 023009.	1.1	7
128	Dynamical vortex phase diagram of two-dimensional superconductivity in gated <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Mo</mml:mi><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review Materials, 2020, 4, .	0.9	7
129	Ballistic transport in periodically modulated MgZnO/ZnO two-dimensional electron systems. Applied Physics Letters, 2019, 115, 153101.	1.5	6
130	Charge density wave dynamics in nonvolatile current-induced phase transition in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>1</mml:mn><mml:mi>T</mml:mi><mml:mtext>â^'</mml:mtext><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2019, 100, .	1.1	6
131	Spectroscopic Study on (Anti)Ferroelectric Molecular Systems. Molecular Crystals and Liquid Crystals, 1992, 216, 195-200.	0.3	5
132	Signatures of charge-order correlations in transport properties of electron-doped cuprate superconductors. Physical Review B, 2018, 98, .	1.1	5
133	Ambipolar device simulation based on the drift-diffusion model in ion-gated transition metal dichalcogenide transistors. Npj Computational Materials, 2020, 6, .	3.5	5
134	Evidence of band filling in PbS colloidal quantum dot square superstructures. Nanoscale, 2021, 13, 14001-14007.	2.8	5
135	Ferromagnetism and giant magnetoresistance in zinc-blende FeAs monolayers embedded in semiconductor structures. Nature Communications, 2021, 12, 4201.	5.8	5
136	Orbital-selective two-dimensional superconductivity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mrow><mml:mn>2</mml:mn><mml:mi mathvariant="normal">H</mml:mi></mml:mrow><mml:mtext>â^'</mml:mtext><mml:msub><mml:mi>NbS</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review Research, 2022, 4, .	1.3	5
137	Magnon-exciton proximity coupling at a van der Waals heterointerface. Physical Review B, 2022, 105, .	1.1	5
138	High-pressure Raman study of the Sm_{2.75}C₆₀fulleride. High Pressure Research, 2011, 31, 13-17.	0.4	4
139	Asymmetric Phase Transitions Observed at the Interface of a Field-Effect Transistor Based on an Organic Mott Insulator. European Journal of Inorganic Chemistry, 2014, 2014, 3841-3844.	1.0	4
140	Nonlinear Optical Properties of Polysilanes. Molecular Crystals and Liquid Crystals, 1992, 217, 25-30.	0.3	3
141	Improved performance of a GaMnAs-based vertical spin electric double-layer transistor. Japanese Journal of Applied Physics, 2018, 57, 090301.	0.8	3
142	Ï€-SnS Colloidal Nanocrystals with Size-Dependent Band Gaps. Journal of Physical Chemistry C, 2022, 126, 5323-5332.	1.5	3
143	Electrical transport properties in a single-walled carbon nanotube network. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 183-186.	0.8	2
144	Electron transport in iodide-capped core@shell PbTe@PbS colloidal nanocrystal solids. Applied Physics Letters, 2020, 117, .	1.5	2

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145	Total reflection hard x-ray photoelectron spectroscopy: Applications to strongly correlated electron systems. Physical Review B, 2021, 103, .	1.1	2
146	Creating Novel Transport Properties in Electric Double Layer Field Effect Transistors Based on Layered Materials. Materials Research Society Symposia Proceedings, 2011, 1288, 1.	0.1	1
147	Pressure effects on unoriented and oriented single-walled carbon nanotube films studied by infrared microscopy. Journal of Applied Physics, 2012, 111, 112614.	1.1	1
148	Semiconductors: Ambipolar Organic Single-Crystal Transistors Based on Ion Gels (Adv. Mater. 32/2012). Advanced Materials, 2012, 24, 4463-4463.	11.1	1
149	Electric-field Control of Electronic States in WS₂ Nanodevices by Electrolyte Gating. Journal of Visualized Experiments, 2018, , .	0.2	1
150	Pressure-induced polymerizatton of C/sub 60/. , 1994, , .		0
151	Ii nmr study in 2-D mott-hubbard system, (BEDT-TTF) (TCNQ). , 1994, , .		0
152	Field-induced superconductivity in MoS2. Materials Research Society Symposia Proceedings, 2013, 1549, 79-84.	0.1	0
153	Ambipolar transport in MoS2 based electric double layer transistors. Materials Research Society Symposia Proceedings, 2013, 1549, 73-78.	0.1	0
154	Novel functional devices of transition metal dichalcogenide monolayers. , 2014, , .		0
155	Do bosons always condense?. National Science Review, 2021, 8, nwaa219.	4.6	0
156	Terahertz pulse-induced melting of charge density wave through the coherent excitation of amplitude mode in 3R-Ta1+xSe2. , 2021, , .		0