

Chao Zhang

List of Publications by Year in descending order

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297
papers

7,842
citations

117453

34
h-index

54797

84
g-index

300
all docs

300
docs citations

300
times ranked

7957
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovery of a Weyl fermion semimetal and topological Fermi arcs. Science, 2015, 349, 613-617.	6.0	2,753
2	Room Temperature Giant and Linear Magnetoresistance in Topological Insulator $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < \text{mml:msub} < \text{mml:mi} > \text{Bi} < / \text{mml:mi} > < \text{mml:mn} > 2 < / \text{mml:mn} > < / \text{mml:msub} > < \text{mml:msub} > < \text{mml:mi} > \text{Te} < / \text{mml:mi} > < \text{mml:mn} > 3 < / \text{mml:mn} > < / \text{mml:msub} > < / \text{mml:math} \rangle$ Physical Review Letters, 2012, 108, 266806.	2.9	237
3	Electrochemical performance of $\text{I}_{\pm}\text{-Fe}_2\text{O}_3$ nanorods as anode material for lithium-ion cells. Electrochimica Acta, 2009, 54, 1733-1736.	2.6	226
4	Strong nonlinear optical response of graphene in the terahertz regime. Applied Physics Letters, 2009, 95, .	1.5	219
5	Fiber-optic temperature sensor based on interference of selective higher-order modes. Applied Physics Letters, 2006, 89, 091119.	1.5	210
6	Zero-gap materials for future spintronics, electronics and optics. NPG Asia Materials, 2010, 2, 31-38.	3.8	175
7	A robust and tuneable mid-infrared optical switch enabled by bulk Dirac fermions. Nature Communications, 2017, 8, 14111.	5.8	174
8	Enhanced Optical Conductivity of Bilayer Graphene Nanoribbons in the Terahertz Regime. Physical Review Letters, 2009, 103, 207401.	2.9	133
9	Realization of flat band with possible nontrivial topology in electronic Kagome lattice. Science Advances, 2018, 4, eaau4511.	4.7	131
10	Coherent and tunable terahertz radiation from graphene surface plasmon polaritons excited by an electron beam. Applied Physics Letters, 2014, 104, .	1.5	129
11	Theory of magnetotransport in two-dimensional electron systems with unidirectional periodic modulation. Physical Review B, 1990, 41, 12850-12861.	1.1	122
12	Valleytronics in merging Dirac cones: All-electric-controlled valley filter, valve, and universal reversible logic gate. Physical Review B, 2017, 96, .	1.1	104
13	Colossal Electroresistance and Giant Magnetoresistance in Doped PbPdO_{2-x} Thin Films. Advanced Materials, 2009, 21, 2196-2199.	11.1	100
14	Electronic efficiency in nanostructured thermionic and thermoelectric devices. Physical Review B, 2005, 72, .	1.1	84
15	A unified geometric rule for designing nanomagnetism in graphene. Nano Research, 2008, 1, 497-501.	5.8	81
16	Strong terahertz conductance of graphene nanoribbons under a magnetic field. Applied Physics Letters, 2008, 93, .	1.5	81
17	Nonlinear optical spectrum of bilayer graphene in the terahertz regime. Applied Physics Letters, 2010, 97, 243110.	1.5	75
18	Orientation dependence of the optical spectra in graphene at high frequencies. Physical Review B, 2008, 77, .	1.1	73

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19	Density of states in a two-dimensional electron gas in the presence of a one-dimensional superlattice potential. <i>Physical Review B</i> , 1989, 39, 13020-13023.	1.1	68
20	Nonlinear transport in steady-state terahertz-driven two-dimensional electron gases. <i>Physical Review B</i> , 1997, 55, 5259-5265.	1.1	67
21	Transport of spin-polarized electrons in a magnetic superlattice. <i>Physical Review B</i> , 2006, 73, .	1.1	57
22	Room-temperature strong terahertz photon mixing in graphene. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012, 29, 274.	0.9	49
23	Dynamic conductivity of graphene with electron-LO-phonon interaction. <i>Physical Review B</i> , 2010, 81, .	1.1	47
24	Cherenkov terahertz radiation from graphene surface plasmon polaritons excited by an electron beam. <i>Applied Physics Letters</i> , 2017, 110, 231102.	1.5	47
25	Ultrafast photocarrier dynamics in a 3D Dirac semimetal Cd ₃ As ₂ film studied with terahertz spectroscopy. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	47
26	Electrical and thermoelectric properties of single-wall carbon nanotube doped Bi ₂ Te ₃ . <i>Applied Physics Letters</i> , 2012, 101, .	1.5	46
27	Efficient Excitation of Multiple Plasmonic Modes on Three-Dimensional Graphene: An Unexplored Dimension. <i>ACS Photonics</i> , 2016, 3, 1986-1992.	3.2	42
28	Broadband hot-carrier dynamics in three-dimensional Dirac semimetal Cd ₃ As ₂ . <i>Applied Physics Letters</i> , 2017, 111, 091101.	1.5	42
29	Hartree-Fock method posed as a density-functional theory: Application to the Be atom. <i>Physical Review A</i> , 1993, 48, 2708-2715.	1.0	41
30	Electronic structure and thermoelectric properties of Bi ₂ Te ₃ crystals and graphene-doped Bi ₂ Te ₃ . <i>Thin Solid Films</i> , 2010, 518, e57-e60.	0.8	40
31	Coherent and Tunable Terahertz Radiation from Graphene Surface Plasmon Polaritons Excited by Cyclotron Electron Beam. <i>Scientific Reports</i> , 2015, 5, 16059.	1.6	39
32	Nonlinear terahertz emission in the three-dimensional topological insulator Bi ₂ Te ₃ by terahertz emission spectroscopy. <i>Applied Physics Letters</i> , 2019, 115, .	1.5	38
33	Orbital magnetization of graphene and graphene nanoribbons. <i>Journal of Applied Physics</i> , 2008, 103, 103711.	1.1	36
34	Transformation of surface plasmon polaritons to radiation in graphene in terahertz regime. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	36
35	Electronic and thermal transport in hot carrier solar cells with low-dimensional contacts. <i>Microelectronics Journal</i> , 2008, 39, 656-659.	1.1	35
36	Nonlinear optical conductance in a graphene pn junction in the terahertz regime. <i>Applied Physics Letters</i> , 2010, 97, 011907.	1.5	35

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55	Dependence of the optical conductivity on the uniaxial and biaxial strains in black phosphorene. <i>Physical Review B</i> , 2018, 97, .	1.1	27
56	Electron correlations in quantum and classical plasmas in a layered structure. <i>Physical Review A</i> , 1988, 38, 5786-5792.	1.0	26
57	Solid-state thermionics and thermoelectrics in the ballistic transport regime. <i>Journal of Applied Physics</i> , 2005, 98, 026108.	1.1	26
58	Efficiency in nanometre gap vacuum thermionic refrigerators. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 035417.	1.3	26
59	Quantum-confined subband transitions of a GaAs sawtooth doping superlattice. <i>Applied Physics Letters</i> , 1989, 54, 1133-1135.	1.5	25
60	Dynamical conductivity of a two-layered structure with electron-acoustic phonon coupling. <i>Journal of Physics Condensed Matter</i> , 1993, 5, 5009-5018.	0.7	24
61	Magneto-photon-phonon resonances in two-dimensional semiconductor systems driven by terahertz electromagnetic fields. <i>Physical Review B</i> , 1996, 54, 4907-4912.	1.1	24
62	Thermionic refrigerators with non-Richardson current. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 1167-1174.	1.3	24
63	The effect of next nearest neighbor coupling on the optical spectra in bilayer graphene. <i>Nanotechnology</i> , 2009, 20, 405203.	1.3	24
64	Subgap optical conductivity in semihydrogenated graphene. <i>Applied Physics Letters</i> , 2011, 98, 042107.	1.5	24
65	Nonlinear optical response of the $\hat{H}_{\pm}^{\text{T3}}$ model due to the nontrivial topology of the band dispersion. <i>Physical Review B</i> , 2019, 100, .	1.1	24
66	Spin-orbit interaction enhanced polaron effect in two-dimensional semiconductors. <i>Applied Physics Letters</i> , 2007, 90, 112103.	1.5	23
67	Nonlinear optical response of graphene in terahertz and near-infrared frequency regime. <i>Frontiers of Optoelectronics</i> , 2015, 8, 3-26.	1.9	22
68	Optical absorption in terahertz-driven quantum wells. <i>Journal of Applied Physics</i> , 2004, 95, 1191-1195.	1.1	21
69	Gate-tunable Ruderman-Kittel-Kasuya-Yosida interaction mediated by low-dimensional electrons with Rashba spin-orbit coupling. <i>Journal of Applied Physics</i> , 2007, 102, 103910.	1.1	21
70	Giant intrinsic circular dichroism of enantiomorphic flat Chern bands and flatband devices. <i>Physical Review B</i> , 2020, 102, .	1.1	21
71	Energy-loss rate of a positron in a metal. <i>Physical Review B</i> , 1988, 37, 7326-7330.	1.1	19
72	The resonant tunneling through a graphene multiquantum well system. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	18

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73	Numerical calculation of thermionic cooling efficiency in a double-barrier semiconductor heterostructure. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2001, 11, 287-291.	1.3	17
74	Electron tunneling in single layer graphene with an energy gap. <i>Chinese Physics B</i> , 2011, 20, 027201.	0.7	17
75	High efficiency and non-Richardson thermionics in three dimensional Dirac materials. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	17
76	Cascaded Amplification and Manipulation of Terahertz Emission by Flexible Spintronic Heterostructures. <i>Laser and Photonics Reviews</i> , 2022, 16, .	4.4	17
77	Dynamic screening and collective excitation of an electron gas under intense terahertz radiation. <i>Physical Review B</i> , 2002, 65, .	1.1	16
78	Optical spectrum of a two-dimensional hole gas in the presence of spin-orbit interaction. <i>Physical Review B</i> , 2006, 74, .	1.1	16
79	Enhanced optical conductance in graphene superlattice due to anisotropic band dispersion. <i>Journal Physics D: Applied Physics</i> , 2012, 45, 395303.	1.3	16
80	Quantum magneto-transport theory for two-dimensional electron systems with unidirectional periodic modulation. <i>Surface Science</i> , 1990, 229, 92-95.	0.8	15
81	Electron correlations in a double-quantum-well structure. <i>Physical Review B</i> , 1994, 49, 2939-2942.	1.1	15
82	Induced charge-density oscillation under a quantizing magnetic field and intense terahertz radiation. <i>Physical Review B</i> , 2003, 67, .	1.1	15
83	Plasmon modes of circular cylindrical double-layer graphene. <i>Optics Express</i> , 2016, 24, 20461.	1.7	15
84	Broadband strong optical dichroism in topological Dirac semimetals with Fermi velocity anisotropy*. <i>Chinese Physics B</i> , 2020, 29, 077802.	0.7	14
85	Direction controllable inverse transition radiation from the spatial dispersion in a graphene-dielectric stack. <i>Photonics Research</i> , 2019, 7, 1154.	3.4	14
86	Phonon-limited mobility in two-dimensional semiconductors with spin-orbit coupling. <i>Applied Physics Letters</i> , 2007, 91, 102115.	1.5	13
87	Retro reflection of electrons at the interface of bilayer graphene and superconductor. <i>Scientific Reports</i> , 2012, 2, 1013.	1.6	13
88	Enhancement of terahertz acousticâ€phonon generation by the magnetic field applied parallel to a twoâ€dimensional semiconductor system. <i>Applied Physics Letters</i> , 1996, 68, 823-825.	1.5	12
89	Two color plasmon excitation in an electron-hole bilayer structure controlled by the spin-orbit interaction. <i>Applied Physics Letters</i> , 2006, 88, 223102.	1.5	12
90	Thermodynamic properties of graphene nanoribbons under zero and quantizing magnetic fields. <i>Microelectronics Journal</i> , 2009, 40, 716-718.	1.1	12

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91	Photomixing in topological insulator HgTe/CdTe quantum wells in terahertz regime. Applied Physics Letters, 2012, 101, .	1.5	12
92	Accurate magneto-optical determination of radius of topological nodal-ring semimetals. Physical Review B, 2019, 99, .	1.1	12
93	Magnetic Modulation of Terahertz Waves via Spin-Polarized Electron Tunneling Based on Magnetic Tunnel Junctions. Physical Review Applied, 2020, 14, .	1.5	12
94	High-frequency conductivity of type-II superlattices. Physical Review B, 1986, 33, 2642-2652.	1.1	11
95	Comment on "Commensurability oscillations in magnetoplasmons of a density-modulated two-dimensional electron gas". Physical Review Letters, 1990, 65, 2207-2207.	2.9	11
96	Low thermal conductivity short-period superlattice thermionic devices. Journal Physics D: Applied Physics, 2006, 39, 4153-4158.	1.3	11
97	Nonlinear optical properties of semiconductor quantum wells under intense terahertz radiation. Applied Physics Letters, 2007, 91, .	1.5	11
98	Vertical absorption edge and temperature dependent resistivity in semihydrogenated graphene. Applied Physics Letters, 2010, 96, 023107.	1.5	11
99	Single molecular shuttle-junction: Shot noise and decoherence. Frontiers of Physics, 2015, 10, 59-86.	2.4	11
100	Response function of a two-dimensional electron gas in a unidirectional periodic potential. Physical Review B, 1995, 52, R17036-R17039.	1.1	10
101	Nonlinear response formula for an interacting two-dimensional electron gas under a magnetic field and microwave radiation. Physical Review B, 2005, 71, .	1.1	10
102	Terahertz band-gap in InAs/GaSb type-II superlattices. Microelectronics Journal, 2009, 40, 812-814.	1.1	10
103	Two-color terahertz response in bilayer graphene nanoribbons with spin-orbit coupling. Applied Physics Letters, 2011, 98, .	1.5	10
104	The effect of spin-orbit interaction on optical conductivity in graphene. Journal of Physics Condensed Matter, 2012, 24, 035303.	0.7	10
105	Hot carrier relaxation in three dimensional gapped Dirac semi-metals. Journal Physics D: Applied Physics, 2018, 51, 015101.	1.3	10
106	Magnetic-field-free terahertz emission from a magnetic tunneling junction. Japanese Journal of Applied Physics, 2019, 58, 090913.	0.8	10
107	Temperature-Dependent Terahertz Emission from Co/Mn ₂ Au Spintronic Bilayers. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2100290.	1.2	10
108	High-frequency conductivity of superlattices with electron-phonon coupling. Physical Review B, 1987, 35, 7596-7603.	1.1	9

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109	Transmission spectroscopy on sawtooth-doping superlattices. <i>Physical Review B</i> , 1989, 39, 3776-3779.	1.1	9
110	Shot noise and conductance in metallic carbon nanotubes in the presence of correlated defects. <i>Physical Review B</i> , 2006, 73, .	1.1	9
111	Crystal structure, electronic structure and thermoelectric properties of n-type BiSbSTe ₂ . <i>Journal Physics D: Applied Physics</i> , 2012, 45, 125301.	1.3	9
112	Theory of the integer quantum Hall effect in graphene. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 376, 616-619.	0.9	9
113	Electromagnetically induced transparency of charge pumping in a triple-quantum-dots with $\hat{\nu}$ -type level structure. <i>Applied Physics Letters</i> , 2013, 102, 163116.	1.5	9
114	Photocurrent spectroscopy in a sawtooth doping superlattice. <i>Applied Physics Letters</i> , 1988, 52, 1967-1969.	1.5	8
115	Quasiclassical behavior of ballistic electrons in a perpendicular magnetic field. <i>Physical Review B</i> , 1989, 39, 12981-12984.	1.1	8
116	Correlations and Local Field Corrections for a Two-Dimensional Electronic System in an External Magnetic Field. <i>Annals of Physics</i> , 1993, 224, 193-209.	1.0	8
117	The magnetoconductivity of a square lattice in a periodically modulated magnetic field. <i>Solid State Communications</i> , 2000, 115, 163-166.	0.9	8
118	Terahertz Photon Mixing Effect in Gapped Graphene. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2012, 33, 816-824.	1.2	8
119	Topologically guaranteed enhancement of nonlinear optical conductivity of graphene in the presence of spin-orbit coupling. <i>Physical Review B</i> , 2014, 90, .	1.1	8
120	Nonlinear optical conductivity of two-dimensional semiconductors with Rashba spin-orbit coupling in terahertz regime. <i>European Physical Journal B</i> , 2014, 87, 1.	0.6	8
121	Quantum ratchet in two-dimensional semiconductors with Rashba spin-orbit interaction. <i>Scientific Reports</i> , 2015, 5, 7872.	1.6	8
122	Effect of dielectric anisotropy of quantum wells on reflection. <i>Superlattices and Microstructures</i> , 1989, 5, 65-69.	1.4	7
123	Exact formula for nondiagonal Green's functions in condensed-matter physics. <i>Physical Review B</i> , 1994, 50, 18640-18643.	1.1	7
124	Asymmetry and rectification in the tunnel current of a nanometer-sized metal-conjugated polymer-metal junction. <i>Journal of Chemical Physics</i> , 2000, 112, 6774-6778.	1.2	7
125	Impurity mediated absorption continuum in single-walled carbon nanotubes. <i>Applied Physics Letters</i> , 2007, 90, 023106.	1.5	7
126	Strong photon-mixing of terahertz waves in semiconductor quantum wells induced by Rashba spin-orbit coupling. <i>Nanotechnology</i> , 2008, 19, 465401.	1.3	7

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127	The spin-orbit interaction enhanced terahertz absorption in graphene around the K point. <i>Microelectronics Journal</i> , 2009, 40, 857-859.	1.1	7
128	Gapless insulator and a band gap scaling law in semihydrogenated graphene. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	7
129	Nonlinear optical conductivity resulting from the local energy spectrum at the K point in graphene. <i>Physical Review B</i> , 2017, 96, .	1.1	7
130	Frequency and orientation dependent conductivity of a semi-Dirac system. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 205302.	1.3	7
131	Tunable strong photo-mixing in Weyl semimetals. <i>Physical Review B</i> , 2020, 101, .	1.1	7
132	The tuned absorptance in multilayer graphene-dielectric structures by intraband transition. <i>Journal of Applied Physics</i> , 2017, 122, .	1.1	7
133	Strong tunable photomixing in semi-Dirac materials in the terahertz regime. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019, 36, 200.	0.9	7
134	Optimizing topological switching in confined 2D-Xene nanoribbons via finite-size effects. <i>Applied Physics Reviews</i> , 2022, 9, .	5.5	7
135	Electron tunneling lifetime of a quasibound state in a double-barrier resonant tunneling structure. <i>Journal of Applied Physics</i> , 1994, 76, 606-608.	1.1	6
136	The response function of a two-dimensional electron gas in a unidirectional spatially periodic magnetic modulation. <i>Journal of Physics Condensed Matter</i> , 1996, 8, 6019-6033.	0.7	6
137	Calculation of the nonlinear free-carrier absorption of terahertz radiation in semiconductor heterostructures. <i>Physical Review B</i> , 2004, 70, .	1.1	6
138	Thermionic refrigeration in low-dimensional structures. <i>Microelectronics Journal</i> , 2008, 39, 597-600.	1.1	6
139	Temperature dependence of the intrinsic spin Hall effect in Rashba spin-orbit coupled systems. <i>Europhysics Letters</i> , 2008, 82, 67003.	0.7	6
140	Nonlinear optical response of twisted bilayer graphene. <i>Physical Review B</i> , 2021, 103, .	1.1	6
141	Tunable absorption in assV-shaped multiple-quantum-well structure. <i>Physical Review B</i> , 1988, 38, 8336-8341.	1.1	5
142	Theory of hopping rate of localized charged particles in metals: Electron scattering. <i>Physical Review B</i> , 1991, 43, 1463-1470.	1.1	5
143	Thermodynamic properties of a two-dimensional electron gas in the presence of a weak spatially modulated periodic potential. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 5545-5566.	0.7	5
144	Electronic thermal transport and thermionic cooling in semiconductor multi-quantum-well structures. <i>Computer Physics Communications</i> , 2001, 142, 274-280.	3.0	5

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145	Effects of collective excitations on the quantum well intersubband absorption. <i>Journal of Applied Physics</i> , 2005, 98, 103530.	1.1	5
146	Stretching induced Hall current and conductance anisotropy in graphene. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	5
147	Chiral-like tunneling of electrons in two-dimensional semiconductors with Rashba spin-orbit coupling. <i>Scientific Reports</i> , 2014, 4, 3780.	1.6	5
148	Low frequency transverse electric surface plasmon polaritons in a dielectricâ€“grapheneâ€“dielectric structure. <i>Applied Physics Express</i> , 2019, 12, 082009.	1.1	5
149	Nonlinear optical response of a two-dimensional semi-Dirac system in the terahertz regime. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 135703.	0.7	5
150	Nonlinear optical conductivity of Weyl semimetals in the terahertz regime. <i>Physica B: Condensed Matter</i> , 2019, 555, 81-84.	1.3	5
151	Thermionic emission in nodal-ring semimetals. <i>Journal of Applied Physics</i> , 2020, 128, .	1.1	5
152	Magneto-optical conductivity of a topological nodal ring semimetal in a tilted magnetic field. <i>Physical Review B</i> , 2020, 102, .	1.1	5
153	Effect of correlation on conductivity and relaxation time. <i>Physical Review B</i> , 1987, 36, 7906-7918.	1.1	4
154	Energy-loss rate of a particle in a marginal Fermi liquid. <i>Physical Review B</i> , 1992, 46, 9247-9249.	1.1	4
155	Magnetoplasmons in modulated two-dimensional electronic systems. <i>Semiconductor Science and Technology</i> , 1995, 10, 1541-1544.	1.0	4
156	Origin of current broadening in resonant tunneling via localised states. <i>Surface Science</i> , 1996, 361-362, 231-234.	0.8	4
157	Tunneling spectroscopy of hole plasmons in a valence-band quantum well. <i>Physical Review B</i> , 1996, 54, R11106-R11109.	1.1	4
158	Electronic subband structure in two-dimensional electron gases under intense laser radiations. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 1998, 2, 252-255.	1.3	4
159	Electronic states and dielectric response of a two-dimensional electron gas in a strong magnetic field and an intense laser field. <i>Physica B: Condensed Matter</i> , 2001, 298, 333-338.	1.3	4
160	Thermionic cooling in cylindrical semiconductor nanostructures. <i>Applied Physics Letters</i> , 2006, 89, 153125.	1.5	4
161	Energy loss rate of a charged particle in HgTe/(HgTe, CdTe) quantum wells. <i>Applied Physics Letters</i> , 2013, 103, 192107.	1.5	4
162	Dynamic conductivity of the bulk states of n-type HgTe/CdTe quantum well topological insulator. <i>Applied Physics Letters</i> , 2014, 105, 202110.	1.5	4

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163	Nonlinear terahertz response of HgTe/CdTe quantum wells. Applied Physics Letters, 2015, 107, 081111.	1.5	4
164	Optical conductivity of a commensurate graphene-topological insulator heterostructure. Journal Physics D: Applied Physics, 2017, 50, 385301.	1.3	4
165	Transverse conductance in a three-dimensional Weyl semimetal and Weyl superconductor hybrid under a strong magnetic field. Physical Review B, 2018, 98, .	1.1	4
166	Thermionic enhanced heat transfer in electronic devices based on 3D Dirac materials. Journal of Applied Physics, 2019, 126, .	1.1	4
167	Ultrafast electron transport in metallic antiferromagnetic Mn ₂ Au thin films probed by terahertz spectroscopy. Physical Review B, 2020, 102, .	1.1	4
168	Nonlinear effects in topological materials. Frontiers of Optoelectronics, 2021, 14, 99-109.	1.9	4
169	Hopping rate of localized defects interacting with two-dimensional electron systems in a magnetic field. Physics Letters, Section A: General, Atomic and Solid State Physics, 1990, 148, 193-198.	0.9	3
170	Theory of the Raman-scattering intensity and line shape of a quantum-dot superlattice. Physical Review B, 1991, 44, 10744-10748.	1.1	3
171	The anomalous hop rate of localized particles in a marginal Fermi liquid. Journal of Physics Condensed Matter, 1992, 4, L15-L19.	0.7	3
172	High-frequency acoustic-phonon generation by heated electrons in parabolic-quantum-well wires in tilted magnetic fields. Journal of Physics Condensed Matter, 1996, 8, 11111-11120.	0.7	3
173	Magnetotransport of a two-dimensional electronic system in a tilted magnetic field. Semiconductor Science and Technology, 1997, 12, 835-839.	1.0	3
174	Generation of tunable hypersonic phonons from two-dimensional electron gases under free-electron laser radiations. Europhysics Letters, 1998, 42, 191-196.	0.7	3
175	Investigation into space charge effects in $I-V$ characteristics of multi-layer semiconductor thermionic devices. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 17, 651-653.	1.3	3
176	Principles of charge and heat transport in thermionic devices. , 2005, 5649, 332.		3
177	Optical absorption coefficients in two-dimensional semiconductors under strong magnetic field. Journal of Applied Physics, 2006, 99, 123706.	1.1	3
178	Magnetic-field-induced charge current in quantum wells with spin-orbit coupling. Nanotechnology, 2007, 18, 475403.	1.3	3
179	Thermodynamic properties of two-dimensional semiconductors with spin-orbit coupling. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1454-1456.	1.3	3
180	Energy-loss rate of a fast particle in graphene. Applied Physics Letters, 2011, 99, 053111.	1.5	3

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181	Difference Between Far-Infrared Photoconductivity Spectroscopy and Absorption Spectroscopy: Theoretical Evidence of the Electron Reservoir Mechanism. <i>Physical Review Letters</i> , 2013, 111, 086801.	2.9	3
182	Nonlinear optical conductivity of bilayer graphene with Rashba spin-orbit interaction in the terahertz regime. <i>Journal of Applied Physics</i> , 2015, 118, 043106.	1.1	3
183	Enhanced and one-way absorptance of LiNiO ₂ thin films in one-dimensional photonic crystals. <i>Journal of Applied Physics</i> , 2017, 122, .	1.1	3
184	Characteristics of Avalanche Charge Domain in High-Power GaAs Devices. <i>IEEE Transactions on Electron Devices</i> , 2021, 68, 2189-2195.	1.6	3
185	Twist dependent magneto-optical response in twisted bilayer graphene. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 445501.	0.7	3
186	Modulation of terahertz radiation from graphene surface plasmon polaritons via surface acoustic wave. <i>Optics Express</i> , 2019, 27, 11137.	1.7	3
187	Quantum interference in time-dependent tunneling. <i>Applied Physics Letters</i> , 1988, 53, 1982-1984.	1.5	2
188	Magnetotunneling measurement of space-charge accumulation in δ -doped quantum wells. <i>Physical Review B</i> , 1989, 39, 1097-1103.	1.1	2
189	Theory for the oscillatory cyclotron resonance effective mass in a heterostructure. <i>Journal of Applied Physics</i> , 1994, 75, 902-907.	1.1	2
190	Energy loss rate of a heavy particle in a magnetically quantized two-dimensional electron gas under intense laser radiation. <i>Solid State Communications</i> , 2000, 116, 241-246.	0.9	2
191	The effect of barrier shape on thermionic refrigerator performance. , 2005, , .		2
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