

Chao Zhang

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253
papers

6,277
citations

32
h-index

75
g-index

300
ext. papers

7,248
ext. citations

3.4
avg, IF

5.64
L-index

#	Paper	IF	Citations
253	TOPOLOGICAL MATTER. Discovery of a Weyl fermion semimetal and topological Fermi arcs. <i>Science</i> , 2015 , 349, 613-7	33.3	2165
252	Electrochemical performance of Fe_2O_3 nanorods as anode material for lithium-ion cells. <i>Electrochimica Acta</i> , 2009 , 54, 1733-1736	6.7	208
251	Room temperature giant and linear magnetoresistance in topological insulator Bi_2Te_3 nanosheets. <i>Physical Review Letters</i> , 2012 , 108, 266806	7.4	201
250	Strong nonlinear optical response of graphene in the terahertz regime. <i>Applied Physics Letters</i> , 2009 , 95, 072101	3.4	183
249	Fiber-optic temperature sensor based on interference of selective higher-order modes. <i>Applied Physics Letters</i> , 2006 , 89, 091119	3.4	163
248	Zero-gap materials for future spintronics, electronics and optics. <i>NPG Asia Materials</i> , 2010 , 2, 31-38	10.3	145
247	A robust and tuneable mid-infrared optical switch enabled by bulk Dirac fermions. <i>Nature Communications</i> , 2017 , 8, 14111	17.4	126
246	Theory of magnetotransport in two-dimensional electron systems with unidirectional periodic modulation. <i>Physical Review B</i> , 1990 , 41, 12850-12861	3.3	116
245	Enhanced optical conductivity of bilayer graphene nanoribbons in the terahertz regime. <i>Physical Review Letters</i> , 2009 , 103, 207401	7.4	113
244	Colossal Electroresistance and Giant Magnetoresistance in Doped PbPdO_2 Thin Films. <i>Advanced Materials</i> , 2009 , 21, 2196-2199	24	91
243	Coherent and tunable terahertz radiation from graphene surface plasmon polaritons excited by an electron beam. <i>Applied Physics Letters</i> , 2014 , 104, 201104	3.4	90
242	Electronic efficiency in nanostructured thermionic and thermoelectric devices. <i>Physical Review B</i> , 2005 , 72,	3.3	76
241	A unified geometric rule for designing nanomagnetism in graphene. <i>Nano Research</i> , 2008 , 1, 497-501	10	70
240	Strong terahertz conductance of graphene nanoribbons under a magnetic field. <i>Applied Physics Letters</i> , 2008 , 93, 041106	3.4	68
239	Orientation dependence of the optical spectra in graphene at high frequencies. <i>Physical Review B</i> , 2008 , 77,	3.3	67
238	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	3.3	67
237	Nonlinear transport in steady-state terahertz-driven two-dimensional electron gases. <i>Physical Review B</i> , 1997 , 55, 5259-5265	3.3	63

236	Valleytronics in merging Dirac cones: All-electric-controlled valley filter, valve, and universal reversible logic gate. <i>Physical Review B</i> , 2017 , 96,	3-3	62
235	Realization of flat band with possible nontrivial topology in electronic Kagome lattice. <i>Science Advances</i> , 2018 , 4, eaau4511	14-3	62
234	Nonlinear optical spectrum of bilayer graphene in the terahertz regime. <i>Applied Physics Letters</i> , 2010 , 97, 243110	3-4	59
233	Transport of spin-polarized electrons in a magnetic superlattice. <i>Physical Review B</i> , 2006 , 73,	3-3	54
232	Dynamic conductivity of graphene with electron-LO-phonon interaction. <i>Physical Review B</i> , 2010 , 81,	3-3	43
231	Electrical and thermoelectric properties of single-wall carbon nanotube doped Bi ₂ Te ₃ . <i>Applied Physics Letters</i> , 2012 , 101, 031909	3-4	41
230	Hartree-Fock method posed as a density-functional theory: Application to the Be atom. <i>Physical Review A</i> , 1993 , 48, 2708-2715	2.6	37
229	Room-temperature strong terahertz photon mixing in graphene. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012 , 29, 274	1.7	36
228	Efficient Excitation of Multiple Plasmonic Modes on Three-Dimensional Graphene: An Unexplored Dimension. <i>ACS Photonics</i> , 2016 , 3, 1986-1992	6.3	34
227	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	2.2	33
226	Orbital magnetization of graphene and graphene nanoribbons. <i>Journal of Applied Physics</i> , 2008 , 103, 103711	2.5	33
225	Resonant tunneling and bistability in a double barrier structure under an intense terahertz laser. <i>Applied Physics Letters</i> , 2001 , 78, 4187-4189	3-4	33
224	Plasmon assisted resonant tunneling in a double barrier heterostructure. <i>Physical Review Letters</i> , 1994 , 72, 3397-3400	7.4	33
223	Ultrafast photocarrier dynamics in a 3D Dirac semimetal Cd ₃ As ₂ film studied with terahertz spectroscopy. <i>Applied Physics Letters</i> , 2019 , 114, 221102	3-4	32
222	Broadband hot-carrier dynamics in three-dimensional Dirac semimetal Cd ₃ As ₂ . <i>Applied Physics Letters</i> , 2017 , 111, 091101	3-4	32
221	Pressure-induced transition in magnetoresistance of single-walled carbon nanotubes. <i>Physical Review Letters</i> , 2006 , 97, 026402	7.4	32
220	Nonlinear optical conductance in a graphene pn junction in the terahertz regime. <i>Applied Physics Letters</i> , 2010 , 97, 011907	3-4	31
219	Dynamic Hall resistivity of electronic systems in the presence of Rashba coupling at zero field. <i>Physical Review B</i> , 2005 , 71,	3-3	31

218	Comment on "Guiding-center-drift resonance in a periodically modulated two-dimensional electron gas". <i>Physical Review Letters</i> , 1990 , 64, 1473	7.4	31
217	Cherenkov terahertz radiation from graphene surface plasmon polaritons excited by an electron beam. <i>Applied Physics Letters</i> , 2017 , 110, 231102	3.4	30
216	Frequency-dependent electrical transport under intense terahertz radiation. <i>Physical Review B</i> , 2002 , 66,	3.3	30
215	Light scattering from a layered electron gas. <i>Physical Review B</i> , 1986 , 34, 1050-1056	3.3	30
214	High-frequency conductivity of type-I superlattices. <i>Physical Review B</i> , 1985 , 32, 1146-1151	3.3	30
213	Electronic and thermal transport in hot carrier solar cells with low-dimensional contacts. <i>Microelectronics Journal</i> , 2008 , 39, 656-659	1.8	29
212	Enhancement of polarization in a spin-orbit coupling quantum wire with a constriction. <i>Physical Review B</i> , 2007 , 76,	3.3	29
211	Theory of Bloch delocalization and quantum diffusion of heavy particles in insulators. <i>Physical Review Letters</i> , 1991 , 66, 1902-1905	7.4	28
210	Transformation of surface plasmon polaritons to radiation in graphene in terahertz regime. <i>Applied Physics Letters</i> , 2015 , 106, 223107	3.4	26
209	Broadband photocarrier dynamics and nonlinear absorption of PLD-grown WTe ₂ semimetal films. <i>Applied Physics Letters</i> , 2018 , 112, 171112	3.4	25
208	Nonlocal transistor based on pure crossed Andreev reflection in a EuO-graphene/superconductor hybrid structure. <i>Physical Review B</i> , 2016 , 93,	3.3	25
207	Resonant absorption of terahertz electromagnetic waves by heated electrons in AlGaAs/GaAs heterostructures. <i>Applied Physics Letters</i> , 1996 , 68, 3305-3307	3.4	25
206	Electron correlations in quantum and classical plasmas in a layered structure. <i>Physical Review A</i> , 1988 , 38, 5786-5792	2.6	25
205	Klein tunneling and cone transport in AA-stacked bilayer graphene. <i>Physical Review B</i> , 2013 , 88,	3.3	24
204	Coherent and Tunable Terahertz Radiation from Graphene Surface Plasmon Polaritons Excited by Cyclotron Electron Beam. <i>Scientific Reports</i> , 2015 , 5, 16059	4.9	24
203	Efficiency in nanometre gap vacuum thermionic refrigerators. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 035417	3	24
202	Optical bistability induced by nonlinear surface plasmon polaritons in graphene in terahertz regime. <i>Applied Physics Letters</i> , 2015 , 107, 203113	3.4	23
201	Specular Andreev reflection in the interface of a two-dimensional semiconductor with Rashba spin-orbit coupling and a d-wave superconductor. <i>Physical Review Letters</i> , 2012 , 108, 077002	7.4	23

200	Quantum-confined subband transitions of a GaAs sawtooth doping superlattice. <i>Applied Physics Letters</i> , 1989 , 54, 1133-1135	3.4	23
199	Nanopumping molecules via a carbon nanotube. <i>Nano Research</i> , 2009 , 2, 938-944	10	22
198	Thermionic refrigerators with non-Richardson current. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 1167-1174	3	22
197	Spin-orbit interaction enhanced polaron effect in two-dimensional semiconductors. <i>Applied Physics Letters</i> , 2007 , 90, 112103	3.4	21
196	Dynamical conductivity of a two-layered structure with electron-acoustic phonon coupling. <i>Journal of Physics Condensed Matter</i> , 1993 , 5, 5009-5018	1.8	21
195	The effect of next nearest neighbor coupling on the optical spectra in bilayer graphene. <i>Nanotechnology</i> , 2009 , 20, 405203	3.4	20
194	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	2.5	20
193	Nonlinear terahertz emission in the three-dimensional topological insulator Bi ₂ Te ₃ by terahertz emission spectroscopy. <i>Applied Physics Letters</i> , 2019 , 115, 191102	3.4	19
192	Subgap optical conductivity in semihydrogenated graphene. <i>Applied Physics Letters</i> , 2011 , 98, 042107	3.4	19
191	Optical absorption in terahertz-driven quantum wells. <i>Journal of Applied Physics</i> , 2004 , 95, 1191-1195	2.5	19
190	Magneto-photon-phonon resonances in two-dimensional semiconductor systems driven by terahertz electromagnetic fields. <i>Physical Review B</i> , 1996 , 54, 4907-4912	3.3	19
189	Nonlinear optical response of graphene in terahertz and near-infrared frequency regime. <i>Frontiers of Optoelectronics</i> , 2015 , 8, 3-26	2.8	18
188	Energy-loss rate of a positron in a metal. <i>Physical Review B</i> , 1988 , 37, 7326-7330	3.3	18
187	Dependence of the optical conductivity on the uniaxial and biaxial strains in black phosphorene. <i>Physical Review B</i> , 2018 , 97,	3.3	17
186	The resonant tunneling through a graphene multiquantum well system. <i>Journal of Applied Physics</i> , 2010 , 107, 123718	2.5	16
185	Electron tunneling in single layer graphene with an energy gap. <i>Chinese Physics B</i> , 2011 , 20, 027201	1.2	16
184	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	3	16
183	Electron correlations in a double-quantum-well structure. <i>Physical Review B</i> , 1994 , 49, 2939-2942	3.3	15

182	Quantum magneto-transport theory for two-dimensional electron systems with unidirectional periodic modulation. <i>Surface Science</i> , 1990 , 229, 92-95	1.8	15
181	Optical spectrum of a two-dimensional hole gas in the presence of spin-orbit interaction. <i>Physical Review B</i> , 2006 , 74,	3.3	14
180	High efficiency and non-Richardson thermionics in three dimensional Dirac materials. <i>Applied Physics Letters</i> , 2017 , 111, 183902	3.4	13
179	Enhanced optical conductance in graphene superlattice due to anisotropic band dispersion. <i>Journal Physics D: Applied Physics</i> , 2012 , 45, 395303	3	13
178	Plasmon modes of circular cylindrical double-layer graphene. <i>Optics Express</i> , 2016 , 24, 20461-71	3.3	12
177	Phonon-limited mobility in two-dimensional semiconductors with spin-orbit coupling. <i>Applied Physics Letters</i> , 2007 , 91, 102115	3.4	12
176	Induced charge-density oscillation under a quantizing magnetic field and intense terahertz radiation. <i>Physical Review B</i> , 2003 , 67,	3.3	12
175	Dynamic screening and collective excitation of an electron gas under intense terahertz radiation. <i>Physical Review B</i> , 2002 , 65,	3.3	12
174	Photomixing in topological insulator HgTe/CdTe quantum wells in terahertz regime. <i>Applied Physics Letters</i> , 2012 , 101, 211109	3.4	11
173	Low thermal conductivity short-period superlattice thermionic devices. <i>Journal Physics D: Applied Physics</i> , 2006 , 39, 4153-4158	3	11
172	Two color plasmon excitation in an electron-hole bilayer structure controlled by the spin-orbit interaction. <i>Applied Physics Letters</i> , 2006 , 88, 223102	3.4	11
171	Enhancement of terahertz acoustic-phonon generation by the magnetic field applied parallel to a two-dimensional semiconductor system. <i>Applied Physics Letters</i> , 1996 , 68, 823-825	3.4	11
170	Comment on "Commensurability oscillations in magnetoplasmons of a density-modulated two-dimensional electron gas". <i>Physical Review Letters</i> , 1990 , 65, 2207	7.4	11
169	Nonlinear optical response of the \mathbb{Z}_3 model due to the nontrivial topology of the band dispersion. <i>Physical Review B</i> , 2019 , 100,	3.3	10
168	Retro reflection of electrons at the interface of bilayer graphene and superconductor. <i>Scientific Reports</i> , 2012 , 2, 1013	4.9	10
167	Response function of a two-dimensional electron gas in a unidirectional periodic potential. <i>Physical Review B</i> , 1995 , 52, 17036-17039	3.3	10
166	Single molecular shuttle-junction: Shot noise and decoherence. <i>Frontiers of Physics</i> , 2015 , 10, 59-86	3.7	9
165	The effect of spin-orbit interaction on optical conductivity in graphene. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 035303	1.8	9

164	Electromagnetically induced transparency of charge pumping in a triple-quantum-dots with Etype level structure. <i>Applied Physics Letters</i> , 2013 , 102, 163116	3.4	9
163	Thermodynamic properties of graphene nanoribbons under zero and quantizing magnetic fields. <i>Microelectronics Journal</i> , 2009 , 40, 716-718	1.8	9
162	Vertical absorption edge and temperature dependent resistivity in semihydrogenated graphene. <i>Applied Physics Letters</i> , 2010 , 96, 023107	3.4	9
161	Nonlinear optical properties of semiconductor quantum wells under intense terahertz radiation. <i>Applied Physics Letters</i> , 2007 , 91, 041909	3.4	9
160	Transmission spectroscopy on sawtooth-doping superlattices. <i>Physical Review B</i> , 1989 , 39, 3776-3779	3.3	9
159	High-frequency conductivity of type-II superlattices. <i>Physical Review B</i> , 1986 , 33, 2642-2652	3.3	9
158	High-frequency conductivity of superlattices with electron-phonon coupling. <i>Physical Review B</i> , 1987 , 35, 7596-7603	3.3	9
157	Direction controllable inverse transition radiation from the spatial dispersion in a graphene-dielectric stack. <i>Photonics Research</i> , 2019 , 7, 1154	6	9
156	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	2.3	8
155	Crystal structure, electronic structure and thermoelectric properties of n-type BiSbTe ₂ . <i>Journal Physics D: Applied Physics</i> , 2012 , 45, 125301	3	8
154	Two-color terahertz response in bilayer graphene nanoribbons with spin-orbit coupling. <i>Applied Physics Letters</i> , 2011 , 98, 061107	3.4	8
153	Shot noise and conductance in metallic carbon nanotubes in the presence of correlated defects. <i>Physical Review B</i> , 2006 , 73,	3.3	8
152	Nonlinear response formula for an interacting two-dimensional electron gas under a magnetic field and microwave radiation. <i>Physical Review B</i> , 2005 , 71,	3.3	8
151	Photocurrent spectroscopy in a sawtooth doping superlattice. <i>Applied Physics Letters</i> , 1988 , 52, 1967-1969		8
150	Observation of Negative Terahertz Photoconductivity in Large Area Type-II Dirac Semimetal PtTe ₂ . <i>Physical Review Letters</i> , 2021 , 126, 227402	7.4	8
149	Magnetic-field-free terahertz emission from a magnetic tunneling junction. <i>Japanese Journal of Applied Physics</i> , 2019 , 58, 090913	1.4	7
148	Nonlinear optical conductivity resulting from the local energy spectrum at the M point in graphene. <i>Physical Review B</i> , 2017 , 96,	3.3	7
147	Terahertz band-gap in InAs/GaSb type-II superlattices. <i>Microelectronics Journal</i> , 2009 , 40, 812-814	1.8	7

146	The spin-orbit interaction enhanced terahertz absorption in graphene around the K point. <i>Microelectronics Journal</i> , 2009 , 40, 857-859	1.8	7
145	Impurity mediated absorption continuum in single-walled carbon nanotubes. <i>Applied Physics Letters</i> , 2007 , 90, 023106	3.4	7
144	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	3.9	7
143	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	2.5	7
142	Quasiclassical behavior of ballistic electrons in a perpendicular magnetic field. <i>Physical Review B</i> , 1989 , 39, 12981-12984	3.3	7
141	Effect of dielectric anisotropy of quantum wells on reflection. <i>Superlattices and Microstructures</i> , 1989 , 5, 65-69	2.8	7
140	Accurate magneto-optical determination of radius of topological nodal-ring semimetals. <i>Physical Review B</i> , 2019 , 99,	3.3	7
139	Nonlinear optical conductivity of two-dimensional semiconductors with Rashba spin-orbit coupling in terahertz regime. <i>European Physical Journal B</i> , 2014 , 87, 1	1.2	6
138	Topologically guaranteed enhancement of nonlinear optical conductivity of graphene in the presence of spin-orbit coupling. <i>Physical Review B</i> , 2014 , 90,	3.3	6
137	Gapless insulator and a band gap scaling law in semihydrogenated graphene. <i>Applied Physics Letters</i> , 2010 , 97, 043104	3.4	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	1.8	6
135	Temperature dependence of the intrinsic spin Hall effect in Rashba spin-orbit coupled systems. <i>Europhysics Letters</i> , 2008 , 82, 67003	1.6	6
134	Thermionic refrigeration in low-dimensional structures. <i>Microelectronics Journal</i> , 2008 , 39, 597-600	1.8	6
133	Calculation of the nonlinear free-carrier absorption of terahertz radiation in semiconductor heterostructures. <i>Physical Review B</i> , 2004 , 70,	3.3	6
132	Exact formula for nondiagonal Green's functions in condensed-matter physics. <i>Physical Review B</i> , 1994 , 50, 18640-18643	3.3	6
131	Electron tunneling lifetime of a quasibound state in a double-barrier resonant tunneling structure. <i>Journal of Applied Physics</i> , 1994 , 76, 606-608	2.5	6
130	The tuned absorptance in multilayer graphene-dielectric structures by intraband transition. <i>Journal of Applied Physics</i> , 2017 , 122, 133109	2.5	6
129	Hot carrier relaxation in three dimensional gapped Dirac semi-metals. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 015101	3	6

128	Quantum ratchet in two-dimensional semiconductors with Rashba spin-orbit interaction. <i>Scientific Reports</i> , 2015 , 5, 7872	4.9	5
127	Terahertz Photon Mixing Effect in Gapped Graphene. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2012 , 33, 816-824	2.2	5
126	Stretching induced Hall current and conductance anisotropy in graphene. <i>Applied Physics Letters</i> , 2009 , 95, 163104	3.4	5
125	Strong photon-mixing of terahertz waves in semiconductor quantum wells induced by Rashba spin-orbit coupling. <i>Nanotechnology</i> , 2008 , 19, 465401	3.4	5
124	The magnetoconductivity of a square lattice in a periodically modulated magnetic field. <i>Solid State Communications</i> , 2000 , 115, 163-166	1.6	5
123	Theory of hopping rate of localized charged particles in metals: Electron scattering. <i>Physical Review B</i> , 1991 , 43, 1463-1470	3.3	5
122	Tunable absorption in a ssV-shaped multiple-quantum-well structure. <i>Physical Review B</i> , 1988 , 38, 8336-8341	3.3	5
121	Giant intrinsic circular dichroism of enantiomorphic flat Chern bands and flatband devices. <i>Physical Review B</i> , 2020 , 102,	3.3	5
120	Tunable strong photo-mixing in Weyl semimetals. <i>Physical Review B</i> , 2020 , 101,	3.3	4
119	Optical conductivity of a commensurate graphene-topological insulator heterostructure. <i>Journal of Physics D: Applied Physics</i> , 2017 , 50, 385301	3	4
118	Nonlinear terahertz response of HgTe/CdTe quantum wells. <i>Applied Physics Letters</i> , 2015 , 107, 081111	3.4	4
117	Dynamic conductivity of the bulk states of n-type HgTe/CdTe quantum well topological insulator. <i>Applied Physics Letters</i> , 2014 , 105, 202110	3.4	4
116	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	3	4
115	Thermionic cooling in cylindrical semiconductor nanostructures. <i>Applied Physics Letters</i> , 2006 , 89, 153125	3.4	4
114	Effects of collective excitations on the quantum well intersubband absorption. <i>Journal of Applied Physics</i> , 2005 , 98, 103530	2.5	4
113	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	2.8	4
112	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	1.8	4
111	Magnetoplasmons in modulated two-dimensional electronic systems. <i>Semiconductor Science and Technology</i> , 1995 , 10, 1541-1544	1.8	4

110	Origin of current broadening in resonant tunneling via localised states. <i>Surface Science</i> , 1996 , 361-362, 231-234	1.8	4
109	Tunneling spectroscopy of hole plasmons in a valence-band quantum well. <i>Physical Review B</i> , 1996 , 54, R11106-R11109	3.3	4
108	Effect of correlation on conductivity and relaxation time. <i>Physical Review B</i> , 1987 , 36, 7906-7918	3.3	4
107	Broadband strong optical dichroism in topological Dirac semimetals with Fermi velocity anisotropy. <i>Chinese Physics B</i> , 2020 , 29, 077802	1.2	3
106	Frequency and orientation dependent conductivity of a semi-Dirac system. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 205302	3	3
105	Low frequency transverse electric surface plasmon polaritons in a dielectric-graphene-dielectric structure. <i>Applied Physics Express</i> , 2019 , 12, 082009	2.4	3
104	Thermionic enhanced heat transfer in electronic devices based on 3D Dirac materials. <i>Journal of Applied Physics</i> , 2019 , 126, 165105	2.5	3
103	Chiral-like tunneling of electrons in two-dimensional semiconductors with Rashba spin-orbit coupling. <i>Scientific Reports</i> , 2014 , 4, 3780	4.9	3
102	Energy loss rate of a charged particle in HgTe/(HgTe, CdTe) quantum wells. <i>Applied Physics Letters</i> , 2013 , 103, 192107	3.4	3
101	Magnetotransport of a two-dimensional electronic system in a tilted magnetic field. <i>Semiconductor Science and Technology</i> , 1997 , 12, 835-839	1.8	3
100	Thermodynamic properties of two-dimensional semiconductors with spin-orbit coupling. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008 , 40, 1454-1456	3	3
99	Optical absorption coefficients in two-dimensional semiconductors under strong magnetic field. <i>Journal of Applied Physics</i> , 2006 , 99, 123706	2.5	3
98	Investigation into space charge effects in I _V characteristics of multi-layer semiconductor thermionic devices. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003 , 17, 651-653	3	3
97	Electronic thermal transport and thermionic cooling in semiconductor multi-quantum-well structures. <i>Computer Physics Communications</i> , 2001 , 142, 274-280	4.2	3
96	High-frequency acoustic-phonon generation by heated electrons in parabolic-quantum-well wires in tilted magnetic fields. <i>Journal of Physics Condensed Matter</i> , 1996 , 8, 11111-11120	1.8	3
95	The anomalous hop rate of localized particles in a marginal Fermi liquid. <i>Journal of Physics Condensed Matter</i> , 1992 , 4, L15-L19	1.8	3
94	Energy-loss rate of a particle in a marginal Fermi liquid. <i>Physical Review B</i> , 1992 , 46, 9247-9249	3.3	3
93	Hopping rate of localized defects interacting with two-dimensional electron systems in a magnetic field. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1990 , 148, 193-198	2.3	3

92	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	1.7	3
91	Modulation of terahertz radiation from graphene surface plasmon polaritons via surface acoustic wave. <i>Optics Express</i> , 2019 , 27, 11137-11151	3.3	3
90	Magnetic Modulation of Terahertz Waves via Spin-Polarized Electron Tunneling Based on Magnetic Tunnel Junctions. <i>Physical Review Applied</i> , 2020 , 14,	4.3	3
89	Thermionic emission in nodal-ring semimetals. <i>Journal of Applied Physics</i> , 2020 , 128, 065108	2.5	3
88	Nonlinear optical response of a two-dimensional semi-Dirac system in the terahertz regime. <i>Journal of Physics Condensed Matter</i> , 2019 , 31, 135703	1.8	3
87	Nonlinear optical conductivity of Weyl semimetals in the terahertz regime. <i>Physica B: Condensed Matter</i> , 2019 , 555, 81-84	2.8	3
86	Transverse conductance in a three-dimensional Weyl semimetal and Weyl superconductor hybrid under a strong magnetic field. <i>Physical Review B</i> , 2018 , 98,	3.3	3
85	Nonlinear optical conductivity of bilayer graphene with Rashba spin-orbit interaction in the terahertz regime. <i>Journal of Applied Physics</i> , 2015 , 118, 043106	2.5	2
84	Step-like multi-photon absorption in two-dimensional semiconductors with Rashba spin-orbit coupling in terahertz regime 2014 ,		2
83	Difference between far-infrared photoconductivity spectroscopy and absorption spectroscopy: theoretical evidence of the electron reservoir mechanism. <i>Physical Review Letters</i> , 2013 , 111, 086801	7.4	2
82	Transverse current response in armchair graphene ribbons. <i>Journal of Applied Physics</i> , 2011 , 110, 034313	2.5	2
81	Two-colour infrared absorption in InAs/GaSb-based type II and broken-gap quantum well systems. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008 , 40, 1069-1071	3	2
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