

# Junichiro Kono

## List of Publications by Year in descending order

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307  
papers

13,960  
citations

19608

61  
h-index

23472

111  
g-index

315  
all docs

315  
docs citations

315  
times ranked

15379  
citing authors

#	ARTICLE	IF	CITATIONS
1	Origin of the background absorption in carbon nanotubes: Phonon-assisted excitonic continuum. Carbon, 2022, 186, 465-474.	5.4	5
2	Magnonic superradiant phase transition. Communications Physics, 2022, 5, .	2.0	10
3	Hall effect in gated single-wall carbon nanotube films. Scientific Reports, 2022, 12, 101.	1.6	1
4	Polarization-dependent conversion efficiency of carbon nanotube-Si heterojunction solar cells based on aligned carbon nanotube films. Japanese Journal of Applied Physics, 2022, 61, 031006.	0.8	1
5	Magnetic Control of Soft Chiral Phonons in PbTe. Physical Review Letters, 2022, 128, 075901.	2.9	27
6	Carbon Nanotube Devices for Quantum Technology. Materials, 2022, 15, 1535.	1.3	22
7	Electrical Generation of Polarized Broadband Radiation from an On-Chip Aligned Carbon Nanotube Film. , 2022, 4, 626-633.		5
8	Ultra-high strength, modulus, and conductivity of graphitic fibers by macromolecular coalescence. Science Advances, 2022, 8, eabn0939.	4.7	34
9	Magneto-optical Spectroscopy with RAMBO: A Table-Top 30 T Magnet. Journal of the Physical Society of Japan, 2022, 91, .	0.7	3
10	(Digital Presentation) Chiroptical Effect in Aligned Carbon Nanotube Films. ECS Meeting Abstracts, 2022, MA2022-01, 750-750.	0.0	0
11	(Digital Presentation) Thermoelectric and Electronic Transport Studies of Ultra-high-Conductivity Aligned Carbon Nanotube Assemblies. ECS Meeting Abstracts, 2022, MA2022-01, 759-759.	0.0	0
12	(Invited, Digital Presentation) Macroscopically Aligned Carbon Nanotubes for Photonics, Electronics, and Thermoelectrics. ECS Meeting Abstracts, 2022, MA2022-01, 775-775.	0.0	0
13	(Invited, Digital Presentation) Optoelectronic Processes in Single-Chirality Carbon Nanotube Thin Films. ECS Meeting Abstracts, 2022, MA2022-01, 744-744.	0.0	0
14	Improved properties, increased production, and the path to broad adoption of carbon nanotube fibers. Carbon, 2021, 171, 689-694.	5.4	110
15	Colors of Single-Wall Carbon Nanotubes. Advanced Materials, 2021, 33, e2006395.	11.1	18
16	Carbon Nanotubes: Colors of Single-Wall Carbon Nanotubes (Adv. Mater. 8/2021). Advanced Materials, 2021, 33, 2170060.	11.1	1
17	Tunable ultrasharp terahertz plasma edge in a lightly doped narrow-gap semiconductor. Optics Express, 2021, 29, 9261.	1.7	10
18	Ultrastrong magnon-magnon coupling dominated by antiresonant interactions. Nature Communications, 2021, 12, 3115.	5.8	39

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19	Giant terahertz polarization rotation in ultrathin films of aligned carbon nanotubes. <i>Optica</i> , 2021, 8, 760.	4.8	12
20	Macroscopic weavable fibers of carbon nanotubes with giant thermoelectric power factor. <i>Nature Communications</i> , 2021, 12, 4931.	5.8	84
21	A Review of the Terahertz Conductivity and Photoconductivity of Carbon Nanotubes and Heteronanotubes. <i>Advanced Optical Materials</i> , 2021, 9, 2101042.	3.6	32
22	Band structure dependent electronic localization in macroscopic films of single-chirality single-wall carbon nanotubes. <i>Carbon</i> , 2021, 183, 774-779.	5.4	5
23	Time-domain terahertz spectroscopy in high magnetic fields. <i>Frontiers of Optoelectronics</i> , 2021, 14, 110-129.	1.9	15
24	Macroscopically aligned carbon nanotubes for flexible and high-temperature electronics, optoelectronics, and thermoelectrics. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 063001.	1.3	19
25	Observation of Photoinduced Terahertz Gain in GaAs Quantum Wells: Evidence for Radiative Two-Exciton-to-Biexciton Scattering. <i>Physical Review Letters</i> , 2020, 125, 167401.	2.9	3
26	Ultrastrong light-matter coupling in semiconductors. <i>Semiconductors and Semimetals</i> , 2020, 105, 89-151.	0.4	7
27	Ultrahigh-Sensitivity Molecular Sensing with Carbon Nanotube Terahertz Metamaterials. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 40629-40634.	4.0	55
28	Metamaterial-Free Flexible Graphene-Enabled Terahertz Sensors for Pesticide Detection at Bio-Interface. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 44281-44287.	4.0	59
29	Quantum-Memory-Enabled Ultrafast Optical Switching in Carbon Nanotubes. <i>ACS Photonics</i> , 2020, 7, 1382-1387.	3.2	11
30	Banning carbon nanotubes would be scientifically unjustified and damaging to innovation. <i>Nature Nanotechnology</i> , 2020, 15, 164-166.	15.6	69
31	Terahertz Excitonics in Carbon Nanotubes: Exciton Autoionization and Multiplication. <i>Nano Letters</i> , 2020, 20, 3098-3105.	4.5	21
32	Groove-Assisted Global Spontaneous Alignment of Carbon Nanotubes in Vacuum Filtration. <i>Nano Letters</i> , 2020, 20, 2332-2338.	4.5	38
33	Singular charge fluctuations at a magnetic quantum critical point. <i>Science</i> , 2020, 367, 285-288.	6.0	55
34	Observation of Ultrastrong Magnon-Magnon Coupling in YFeO <sub>3</sub> Using Terahertz Magnetospectroscopy. , 2020, , .		1
35	Terahertz Magnon Spectroscopy Mapping of the Low-Temperature Phases of Er <sub>x</sub> Y <sub>1-x</sub> FeO <sub>3</sub> . , 2020, , .		3
36	Guided-mode resonances in flexible 2D terahertz photonic crystals. <i>Optica</i> , 2020, 7, 537.	4.8	17

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37	Capacitive-mediated strong coupling in terahertz plasmonic metafilms. , 2020, , .		0
38	Polarization-Dependent Disappearance of THz Reflectance in an Aligned Carbon Nanotube Film. , 2020, , .		0
39	Probing the Low-Temperature Phase Transition in $\text{Er}_x\text{Y}_{1-x}\text{FeO}_3$ by Terahertz Magnetospectroscopy. , 2020, , .		0
40	Macroscopically Aligned Carbon Nanotubes as a Refractory Platform for Hyperbolic Thermal Emitters. ACS Photonics, 2019, 6, 1602-1609.	3.2	35
41	Solving the Thermoelectric Trade-Off Problem with Metallic Carbon Nanotubes. Nano Letters, 2019, 19, 7370-7376.	4.5	50
42	Ultrastrong coupling regimes of light-matter interaction. Reviews of Modern Physics, 2019, 91, .	16.4	613
43	Science and applications of wafer-scale crystalline carbon nanotube films prepared through controlled vacuum filtration. Royal Society Open Science, 2019, 6, 181605.	1.1	37
44	Introduction to Optical Spectroscopy of Single-Wall Carbon Nanotubes. World Scientific Series on Carbon Nanoscience, 2019, , 1-43.	0.1	4
45	Terahertz Faraday and Kerr rotation spectroscopy of $\text{Bi}_2\text{Te}_3$ films in high magnetic fields up to 30 tesla. Physical Review B, 2019, 100, .		
46	One-directional thermal transport in densely aligned single-wall carbon nanotube films. Applied Physics Letters, 2019, 115, .	1.5	23
47	Bright and Ultrafast Photoelectron Emission from Aligned Single-Wall Carbon Nanotubes through Multiphoton Exciton Resonance. Nano Letters, 2019, 19, 158-164.	4.5	13
48	Direct observation of cross-polarized excitons in aligned single-chirality single-wall carbon nanotubes. Physical Review B, 2019, 99, .	1.1	15
49	Terahertz strong-field physics without a strong external terahertz field. , 2019, , .		2
50	Observation of Narrow-Band Terahertz Gain in Two-Dimensional Magnetoexcitons. , 2019, , .		1
51	Bright and Ultrafast Photoelectron Emission from Aligned Single-Wall Carbon Nanotubes through Multiphoton Exciton Resonance. , 2019, , .		0
52	Ultrastrong Light-Matter and Matter-Matter Coupling: Dicke Phenomena in Condensed Matter. , 2019, , .		0
53	Ultrastrong Coupling of Two Terahertz Magnon Modes in $\text{YFeO}_3$ in Pulsed High Magnetic Fields. , 2019, , .		0
54	Mapping Out the Low-Temperature Phase Diagram of $\text{Er}_x\text{Y}_{1-x}\text{FeO}_3$ by Terahertz Magnetospectroscopy. , 2019, , .		0

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55	Vacuum Bloch-Siegert shift in Landau polaritons with ultra-high cooperativity. Nature Photonics, 2018, 12, 324-329.	15.6	98
56	Magneto-optics of Exciton Rydberg States in a Monolayer Semiconductor. Physical Review Letters, 2018, 120, 057405.	2.9	195
57	Continuous transition between weak and ultrastrong coupling through exceptional points in carbon nanotube microcavity exciton-polaritons. Nature Photonics, 2018, 12, 362-367.	15.6	99
58	Intersubband plasmons in the quantum limit in gated and aligned carbon nanotubes. Nature Communications, 2018, 9, 1121.	5.8	52
59	Temperature and Substrate Dependent Conductivities of CVD Graphene measured by Terahertz Time-Domain Spectroscopy. , 2018, , .		0
60	Vacuum Bloch-Siegert Shift in Cyclotron Resonance. , 2018, , .		0
61	Isotropic Seebeck coefficient of aligned single-wall carbon nanotube films. Applied Physics Letters, 2018, 113, .	1.5	26
62	Effects of etchants in the transfer of chemical vapor deposited graphene. Journal of Applied Physics, 2018, 123, .	1.1	19
63	Excitons in Magnetic Fields. , 2018, , 63-81.		6
64	Flexible and stackable terahertz metamaterials via silver-nanoparticle inkjet printing. AIP Advances, 2018, 8, .	0.6	7
65	Directional sensing based on flexible aligned carbon nanotube film nanocomposites. Nanoscale, 2018, 10, 14938-14946.	2.8	37
66	Microcavity Exciton Polaritons with Exceptional Points Induced by Polarization-Controllable Ultrastrong Coupling. , 2018, , .		0
67	Observation of Dicke cooperativity in magnetic interactions. Science, 2018, 361, 794-797.	6.0	91
68	Scaling law for excitons in 2D perovskite quantum wells. Nature Communications, 2018, 9, 2254.	5.8	559
69	Carbon nanotube woven textile photodetector. Physical Review Materials, 2018, 2, .	0.9	42
70	Magnetotransport in type-enriched single-wall carbon nanotube networks. Physical Review Materials, 2018, 2, .	0.9	7
71	Coherent Terahertz Excitation of Magnons to 30 T. , 2018, , .		1
72	Aligned and Packed Single-Wall Carbon Nanotubes as Hyperbolic Thermal Emitters. , 2018, , .		2

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73	Dressed Excitons in Carbon Nanotubes. , 2018, , .		0
74	Vacuum Bloch-Siegert Shift in Landau Polaritons with Ultrahigh Cooperativity. , 2018, , .		0
75	Laser-assisted field emission in single-walled carbon nanotubes. , 2018, , .		0
76	Modulation of Doped Multiple Quantum Wells of Aligned Single-Wall Carbon Nanotubes. Advanced Functional Materials, 2017, 27, 1606022.	7.8	17
77	Probing the semiconductor to semimetal transition in InAs/GaSb double quantum wells by magneto-infrared spectroscopy. Physical Review B, 2017, 95, .	1.1	21
78	Destabilization of Surfactant-Dispersed Carbon Nanotubes by Anions. Nanoscale Research Letters, 2017, 12, 81.	3.1	6
79	Giant Terahertz-Wave Absorption by Monolayer Graphene in a Total Internal Reflection Geometry. ACS Photonics, 2017, 4, 121-126.	3.2	52
80	Tunable room-temperature single-photon emission at telecom wavelengths from sp <sup>3</sup> defects in carbon nanotubes. Nature Photonics, 2017, 11, 577-582.	15.6	235
81	Adsorption energy of oxygen molecules on graphene and two-dimensional tungsten disulfide. Scientific Reports, 2017, 7, 1774.	1.6	62
82	Evidence for a topological excitonic insulator in InAs/GaSb bilayers. Nature Communications, 2017, 8, 1971.	5.8	127
83	Pulsed black-body emitter based on current-driven carbon nanotube fibers. , 2017, , .		2
84	Magneto-THz spectroscopy in spinel superconductor LiTi <sub>2</sub> O <sub>4</sub> thin films. , 2017, , .		0
85	High-cooperativity terahertz landau polaritons in the ultrastrong coupling regime. , 2017, , .		0
86	Charged iodide in chains behind the highly efficient iodine doping in carbon nanotubes. Physical Review Materials, 2017, 1, .	0.9	25
87	Nonlinear above-threshold photoemission in single-wall carbon nanotube induced by fs-pulsed laser. , 2017, , .		0
88	Single-shot terahertz time-domain spectroscopy in pulsed high magnetic fields. Optics Express, 2016, 24, 30328.	1.7	34
89	Dynamic evolution of a two-dimensional electron gas in a magnetic field after optical photoexcitation. , 2016, , .		0
90	Magnetoreflexion spectroscopy of monolayer transition-metal dichalcogenide semiconductors in pulsed magnetic fields. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2016, 34, 04J102.	0.6	7

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91	Temperature programmed desorption measurements of oxygen molecules in 2D materials using laser terahertz emission microscopy. , 2016, , .		0
92	Carbon nanotube fiber terahertz polarizer. Applied Physics Letters, 2016, 108, .	1.5	50
93	Parallel plate waveguide terahertz time domain spectroscopy for 2D materials. , 2016, , .		0
94	Inkjet-printed silver-nanoparticle THz metamaterial. , 2016, , .		2
95	Parallel plate waveguide time domain spectroscopy to study terahertz conductivity of ultrathin materials. Proceedings of SPIE, 2016, , .	0.8	1
96	Wafer-scale monodomain films of spontaneously aligned single-walled carbon nanotubes. Nature Nanotechnology, 2016, 11, 633-638.	15.6	292
97	Probing low-density carriers in a single atomic layer using terahertz parallel-plate waveguides. Optics Express, 2016, 24, 3885.	1.7	7
98	Dicke superradiance in solids [Invited]. Journal of the Optical Society of America B: Optical Physics, 2016, 33, C80.	0.9	105
99	Collective non-perturbative coupling of 2D electrons with high-quality-factor terahertz cavity photons. Nature Physics, 2016, 12, 1005-1011.	6.5	166
100	Effect of Oxygen Adsorbates on Terahertz Emission Properties of Various Semiconductor Surfaces Covered with Graphene. Journal of Infrared, Millimeter, and Terahertz Waves, 2016, 37, 1117-1123.	1.2	10
101	High-pressure optical study of small-diameter chirality-enriched single-wall carbon nanotubes. Physica Status Solidi (B): Basic Research, 2016, 253, 2446-2450.	0.7	5
102	Enlightening the ultrahigh electrical conductivities of doped double-wall carbon nanotube fibers by Raman spectroscopy and first-principles calculations. Nanoscale, 2016, 8, 19668-19676.	2.8	18
103	Stability of High-Density Two-Dimensional Excitons against a Mott Transition in High Magnetic Fields Probed by Coherent Terahertz Spectroscopy. Physical Review Letters, 2016, 117, 207402.	2.9	12
104	Exciton diamagnetic shifts and valley Zeeman effects in monolayer WS <sub>2</sub> and MoS <sub>2</sub> to 65% Tesla. Nature Communications, 2016, 7, 10643.	5.8	253
105	Laser Terahertz Emission Spectroscopy of Graphene/InAs Junctions. Materials Research Society Symposia Proceedings, 2015, 1808, 1-7.	0.1	0
106	Uncooled Carbon Nanotube Photodetectors. Advanced Optical Materials, 2015, 3, 989-1011.	3.6	137
107	Asymmetric excitation profiles in the resonance Raman response of armchair carbon nanotubes. Physical Review B, 2015, 91, .	1.1	24
108	Superfluorescence from photoexcited semiconductor quantum wells: Magnetic field, temperature, and excitation power dependence. Physical Review B, 2015, 91, .	1.1	15

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109	Facile Synthesis of Single Crystal Vanadium Disulfide Nanosheets by Chemical Vapor Deposition for Efficient Hydrogen Evolution Reaction. <i>Advanced Materials</i> , 2015, 27, 5605-5609.	11.1	241
110	Terahertz Magneto-spectroscopy of Quantum Wells: Stability of High-Density Excitons in High Magnetic Fields. , 2015, , .		0
111	Extraordinary sensitivity enhancement by metasurfaces in terahertz detection of antibiotics. <i>Scientific Reports</i> , 2015, 5, 8671.	1.6	135
112	Carbon-based terahertz devices. <i>Proceedings of SPIE</i> , 2015, , .	0.8	6
113	Electroluminescence from GaAs/AlGaAs Heterostructures in Strong in-Plane Electric Fields: Evidence for k- and Real-Space Charge Transfer. <i>ACS Photonics</i> , 2015, 2, 1155-1159.	3.2	4
114	High-Voltage Breakdown and the Gunn Effect in GaAs/AlGaAs Nanoconstrictions. <i>IEEE Nanotechnology Magazine</i> , 2015, 14, 524-530.	1.1	2
115	Generation of Terahertz Radiation by Optical Excitation of Aligned Carbon Nanotubes. <i>Nano Letters</i> , 2015, 15, 3267-3272.	4.5	86
116	An Atomically Layered InSe Avalanche Photodetector. <i>Nano Letters</i> , 2015, 15, 3048-3055.	4.5	253
117	Figure of Merit for Carbon Nanotube Photothermoelectric Detectors. <i>ACS Nano</i> , 2015, 9, 11618-11627.	7.3	51
118	Ultrabroadband, Lightweight, Flexible, and Polarization Sensitive Photodetector Based on Carbon Nanotube Fibers. , 2015, , .		1
119	Probe of the Band Structure of MBE Grown p-Type $\text{InMnAs}$ at Ultrahigh Magnetic Fields. <i>Spin</i> , 2015, 05, 1550002.	0.6	5
120	3D Band Diagram and Photoexcitation of 2D $\rightarrow$ 3D Semiconductor Heterojunctions. <i>Nano Letters</i> , 2015, 15, 5919-5925.	4.5	33
121	Polarization-Dependent Terahertz Spectroscopy of Macroscopically Aligned Carbon Nanotubes. , 2015, , .		0
122	Using Nonionic Surfactants for Production of Semiconductor-Type Carbon Nanotubes by Gel-Based Affinity Chromatography. <i>Nanomaterials and Nanotechnology</i> , 2014, 4, 19.	1.2	7
123	Macroscopic Ensembles of Aligned Carbon Nanotubes in Bubble Imprints Studied by Polarized Raman Microscopy. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-7.	1.5	0
124	Electrically tunable hot-silicon terahertz attenuator. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	9
125	Diameter dependence of TO phonon frequencies and the Kohn anomaly in armchair single-wall carbon nanotubes. <i>Physical Review B</i> , 2014, 90, .	1.1	5
126	Terahertz and ultrafast dynamics of carriers and phonons in graphene and carbon nanotubes. , 2014, , .		1



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127	NanoJapan: international research experience for undergraduates program: fostering U.S.-Japan research collaborations in terahertz science and technology of nanostructures. , 2014, , .		0
128	Observation and manipulation of dipole-forbidden exciton transitions in semiconductors. , 2014, , .		0
129	Rapid scanning terahertz time-domain magnetospectroscopy with a table-top repetitive pulsed magnet. Applied Optics, 2014, 53, 5850.	0.9	10
130	Superradiant Decay of Cyclotron Resonance of Two-Dimensional Electron Gases. Physical Review Letters, 2014, 113, 047601.	2.9	88
131	Carbon Nanofibers: High-Capacity Power Cables of Tightly-Packed and Aligned Carbon Nanotubes (Adv.) Tj ETQo1 1 0.784314 rg8T	7.8	1
132	Efficient Modulation of 1.55 $\mu$ m Radiation with Gated Graphene on a Silicon Microring Resonator. Nano Letters, 2014, 14, 6811-6815.	4.5	137
133	Effects of electron-electron interactions on the electronic Raman scattering of graphite in high magnetic fields. Physical Review B, 2014, 89, .	1.1	5
134	Tailoring the Physical Properties of Molybdenum Disulfide Monolayers by Control of Interfacial Chemistry. Nano Letters, 2014, 14, 1354-1361.	4.5	129
135	Optimum growth window for InAs/GalnSb superlattice materials tailored for very long wavelength infrared detection. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2014, 32, 02C109.	0.6	16
136	High-Capacity Power Cables of Tightly-Packed and Aligned Carbon Nanotubes. Advanced Functional Materials, 2014, 24, 3241-3249.	7.8	104
137	Boron Nitride-Graphene Nanocapacitor and the Origins of Anomalous Size-Dependent Increase of Capacitance. Nano Letters, 2014, 14, 1739-1744.	4.5	120
138	Terahertz science and technology of carbon nanomaterials. Nanotechnology, 2014, 25, 322001.	1.3	156
139	Direct Laser Writing of 3D Architectures of Aligned Carbon Nanotubes. Advanced Materials, 2014, 26, 5653-5657.	11.1	58
140	Ultrafast Generation of Fundamental and Multiple-Order Phonon Excitations in Highly Enriched (6,5) Single-Wall Carbon Nanotubes. Nano Letters, 2014, 14, 1426-1432.	4.5	31
141	Carbon Nanotube Terahertz Detector. Nano Letters, 2014, 14, 3953-3958.	4.5	223
142	High-Contrast Terahertz Wave Modulation by Gated Graphene Enhanced by Extraordinary Transmission through Ring Apertures. Nano Letters, 2014, 14, 1242-1248.	4.5	214
143	Coherent phonons in carbon based nanostructures. Proceedings of SPIE, 2014, , .	0.8	0
144	Imaging molecular adsorption and desorption dynamics on graphene using terahertz emission spectroscopy. Scientific Reports, 2014, 4, 6046.	1.6	25

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145	Terahertz Time-Domain Magnetspectroscopy Using a Table-Top Repetitive Pulsed Magnet. , 2014, , .		0
146	Terahertz Detector Based on a p-n Junction Film of Aligned Carbon Nanotubes. , 2014, , .		0
147	Superradiant Decay of Coherent Cyclotron Resonance in Ultrahigh-Mobility Two-Dimensional Electron Gases. , 2014, , .		0
148	Generation of superfluorescent bursts from a fully tunable semiconductor magnetoâ€plasma. Fortschritte Der Physik, 2013, 61, 393-403.	1.5	10
149	Large Flake Graphene Oxide Fibers with Unconventional 100% Knot Efficiency and Highly Aligned Small Flake Graphene Oxide Fibers. Advanced Materials, 2013, 25, 4592-4597.	11.1	171
150	3D microfabrication of single-wall carbon nanotube/polymer composites by two-photon polymerization lithography. Carbon, 2013, 59, 283-288.	5.4	79
151	Excitation and Active Control of Propagating Surface Plasmon Polaritons in Graphene. Nano Letters, 2013, 13, 3698-3702.	4.5	238
152	Plasmonic Nature of the Terahertz Conductivity Peak in Single-Wall Carbon Nanotubes. Nano Letters, 2013, 13, 5991-5996.	4.5	143
153	A table-top, repetitive pulsed magnet for nonlinear and ultrafast spectroscopy in high magnetic fields up to 30 T. Review of Scientific Instruments, 2013, 84, 123906.	0.6	22
154	Review of Anisotropic Terahertz Material Response. Journal of Infrared, Millimeter, and Terahertz Waves, 2013, 34, 724-739.	1.2	22
155	Compact single-shot terahertz time-domain spectroscopy system for magneto-optics with a mini-coil pulsed magnet. , 2013, , .		0
156	Observation of terahertz resonant absorption in graphene micro-ribbon arrays. , 2013, , .		0
157	Magnetic quantum ratchet effect in graphene. Nature Nanotechnology, 2013, 8, 104-107.	15.6	116
158	Fundamental optical processes in armchair carbon nanotubes. Nanoscale, 2013, 5, 1411.	2.8	56
159	Strong, Light, Multifunctional Fibers of Carbon Nanotubes with Ultrahigh Conductivity. Science, 2013, 339, 182-186.	6.0	1,138
160	Collective antenna effects in the terahertz and infrared response of highly aligned carbon nanotube arrays. Physical Review B, 2013, 87, .	1.1	52
161	Coherent phonons in carbon nanotubes and graphene. Chemical Physics, 2013, 413, 55-80.	0.9	33
162	Two photon polymerization lithography for 3D microfabrication of single wall carbon nanotube/polymer composites. , 2013, , .		2

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163	Photothermoelectric p-n Junction Photodetector with Intrinsic Broadband Polarimetry Based on Macroscopic Carbon Nanotube Films. ACS Nano, 2013, 7, 7271-7277.	7.3	99
164	Theory of coherent phonons in carbon nanotubes and graphene nanoribbons. Journal of Physics Condensed Matter, 2013, 25, 144201.	0.7	30
165	Terahertz physics and applications with carbon nanomaterials. , 2013, , .		0
166	Ultrafast and nonlinear optics in carbon nanomaterials. Journal of Physics Condensed Matter, 2013, 25, 050301.	0.7	3
167	Fermi-edge superfluorescence from a quantum-degenerate electron-hole gas. Scientific Reports, 2013, 3, 3283.	1.6	23
168	Raman spectroscopy of graphite in high magnetic fields: Electron-phonon coupling and magnetophonon resonance. , 2013, , .		0
169	Renormalized energies of superfluorescent bursts from an electron-hole magnetoplasma with high gain in InGaAs quantum wells. Physical Review B, 2013, 87, .	1.1	11
170	Midinfrared third-harmonic generation from macroscopically aligned ultralong single-wall carbon nanotubes. Physical Review B, 2013, 87, .	1.1	6
171	Measurement of Filling-Factor-Dependent Magnetophonon Resonances in Graphene Using Raman Spectroscopy. Physical Review Letters, 2013, 110, 227402.	2.9	28
172	Spin relaxation times of single-wall carbon nanotubes. Physical Review B, 2013, 88, .	1.1	10
173	Observation of Forbidden Exciton Transitions Mediated by Coulomb Interactions in Photoexcited Semiconductor Quantum Wells. Physical Review Letters, 2013, 110, 137404.	2.9	27
174	Terahertz emission from graphene-coated InP (100) surface. , 2013, , .		0
175	Magnetic quantum ratchet effect in graphene. , 2013, , .		0
176	Broadband, Polarization-Sensitive Photodetector Based on Optically-Thick Films of Macroscopically Long, Dense and Aligned Carbon Nanotubes. Scientific Reports, 2013, 3, 1335.	1.6	110
177	Coherent Terahertz Magneto-spectroscopy of Ultrahigh-Mobility Two-Dimensional Electron Gases. , 2013, , .		1
178	Single-Walled Carbon Nanotubes. , 2013, , 105-146.		26
179	Sequential Superfluorescent Bursts from a Dense Electron-Hole Plasma via Fermi-Edge Gain Enhancement. , 2013, , .		0
180	Flexible Photodetector Based on Carbon Nanotube Fibers. , 2013, , .		1

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181	Superfluorescence from a Dense Electron-Hole Plasma in Pulsed High Magnetic Fields. , 2013, , .		0
182	Giant tunable Faraday effect in a semiconductor magneto-plasma for broadband terahertz polarization optics. Optics Express, 2012, 20, 19484.	1.7	71
183	Impact of growth temperature on InAs/GaInSb strained layer superlattices for very long wavelength infrared detection. Applied Physics Letters, 2012, 101, .	1.5	28
184	Dephasing of $G$ -band phonons in single-wall carbon nanotubes probed via impulsive stimulated Raman scattering. Physical Review B, 2012, 86, .	1.1	12
185	Magnetophonon resonance in graphite: High-field Raman measurements and electron-phonon coupling contributions. Physical Review B, 2012, 85, .	1.1	32
186	Optically detecting spin-split bands in semiconductors in magnetic fields. Proceedings of SPIE, 2012, , .	0.8	0
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