Junichiro Kono

List of Publications by Year
in descending order

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	Strong, Light, Multifunctional Fibers of Carbon Nanotubes with Ultrahigh Conductivity. Science, 2013, 339, 182-186.	6.0	1,138
2	Ultrastrong coupling regimes of light-matter interaction. Reviews of Modern Physics, 2019, 91, .	16.4	613
3	Scaling law for excitons in 2D perovskite quantum wells. Nature Communications, 2018, 9, 2254.	5.8	559
4	Optical Signatures of the Aharonov-Bohm Phase in Single-Walled Carbon Nanotubes. Science, 2004, 304, 1129-1131.	6.0	307
5	Wafer-scale monodomain films of spontaneously aligned single-walled carbon nanotubes. Nature Nanotechnology, 2016, 11, 633-638.	15.6	292
6	An Atomically Layered InSe Avalanche Photodetector. Nano Letters, 2015, 15, 3048-3055.	4.5	253
7	Exciton diamagnetic shifts and valley Zeeman effects in monolayer WS2 and MoS2 to 65â€‰Tesla. Nature Communications, 2016, 7, 10643.	5.8	253
8	Facile Synthesis of Single Crystal Vanadium Disulfide Nanosheets by Chemical Vapor Deposition for Efficient Hydrogen Evolution Reaction. Advanced Materials, 2015, 27, 5605-5609.	11.1	241
9	Carbon Nanotube Terahertz Polarizer. Nano Letters, 2009, 9, 2610-2613.	4.5	240
10	Excitation and Active Control of Propagating Surface Plasmon Polaritons in Graphene. Nano Letters, 2013, 13, 3698-3702.	4.5	238
11	Terahertz and Infrared Spectroscopy of Gated Large-Area Graphene. Nano Letters, 2012, 12, 3711-3715.	4.5	235
12	Tunable room-temperature single-photon emission at telecom wavelengths from sp3 defects in carbon nanotubes. Nature Photonics, 2017, 11, 577-582.	15.6	235
13	Interband Recombination Dynamics in Resonantly Excited Single-Walled Carbon Nanotubes. Physical Review Letters, 2004, 92, 117402.	2.9	225
14	Carbon Nanotube Terahertz Detector. Nano Letters, 2014, 14, 3953-3958.	4.5	223
15	High-Contrast Terahertz Wave Modulation by Gated Graphene Enhanced by Extraordinary Transmission through Ring Apertures. Nano Letters, 2014, 14, 1242-1248.	4.5	214
16	Excitonic Dynamical Franz-Keldysh Effect. Physical Review Letters, 1998, 81, 457-460.	2.9	201
17	Magnetooptics of Exciton Rydberg States in a Monolayer Semiconductor. Physical Review Letters, 2018, 120, 057405.	2.9	195
18	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

#	Article	IF	Citations
19	Terahertz Dynamics of Excitons in GaAs/AlGaAs Quantum Wells. Physical Review Letters, 1996, 77, 1131-1134.	2.9	167
20	Collective non-perturbative coupling of 2D electrons with high-quality-factor terahertz cavityÂphotons. Nature Physics, 2016, 12, 1005-1011.	6.5	166
21	Terahertz science and technology of carbon nanomaterials. Nanotechnology, 2014, 25, 322001.	1.3	156
22	Broadband Terahertz Polarizers with Ideal Performance Based on Aligned Carbon Nanotube Stacks. Nano Letters, 2012, 12, 787-790.	4.5	153
23	Resonant Terahertz Optical Sideband Generation from Confined Magnetoexcitons. Physical Review Letters, 1997, 79, 1758-1761.	2.9	144
24	Plasmonic Nature of the Terahertz Conductivity Peak in Single-Wall Carbon Nanotubes. Nano Letters, 2013, 13, 5991-5996.	4.5	143
25	Optoelectronic Properties of Singleâ€Wall Carbon Nanotubes. Advanced Materials, 2012, 24, 4977-4994.	11.1	138
26	Efficient Modulation of 1.55 Î¼m Radiation with Gated Graphene on a Silicon Microring Resonator. Nano Letters, 2014, 14, 6811-6815.	4.5	137
27	Uncooled Carbon Nanotube Photodetectors. Advanced Optical Materials, 2015, 3, 989-1011.	3.6	137
28	Extraordinary sensitivity enhancement by metasurfaces in terahertz detection of antibiotics. Scientific Reports, 2015, 5, 8671.	1.6	135
29	Direct Observation of Dark Excitons in Individual Carbon Nanotubes: Inhomogeneity in the Exchange Splitting. Physical Review Letters, 2008, 101, 087402.	2.9	134
30	Tailoring the Physical Properties of Molybdenum Disulfide Monolayers by Control of Interfacial Chemistry. Nano Letters, 2014, 14, 1354-1361.	4.5	129
31	Evidence for a topological excitonic insulator in InAs/GaSb bilayers. Nature Communications, 2017, 8, 1971.	5.8	127
32	Magnetic Brightening of Carbon Nanotube Photoluminescence through Symmetry Breaking. Nano Letters, 2007, 7, 1851-1855.	4.5	120
33	Boron Nitrideâ€"Graphene Nanocapacitor and the Origins of Anomalous Size-Dependent Increase of Capacitance. Nano Letters, 2014, 14, 1739-1744.	4.5	120
34	Magnetic quantum ratchet effect in graphene. Nature Nanotechnology, 2013, 8, 104-107.	15.6	116
35	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
36	Improved properties, increased production, and the path to broad adoption of carbon nanotube fibers. Carbon, 2021, 171, 689-694.	5.4	110

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37	Extreme Midinfrared Nonlinear Optics in Semiconductors. Physical Review Letters, 2001, 86, 3292-3295.	2.9	108
38	Dicke superradiance in solids [Invited]. Journal of the Optical Society of America B: Optical Physics, 2016, 33, C80.	0.9	105
39	Highâ€Ampacity Power Cables of Tightlyâ€Packed and Aligned Carbon Nanotubes. Advanced Functional Materials, 2014, 24, 3241-3249.	7.8	104
40	Excitons in Carbon Nanotubes with Broken Time-Reversal Symmetry. Physical Review Letters, 2006, 96, 016406.	2.9	101
41	Photothermoelectric pâ€"n Junction Photodetector with Intrinsic Broadband Polarimetry Based on Macroscopic Carbon Nanotube Films. ACS Nano, 2013, 7, 7271-7277.	7.3	99
42	Continuous transition between weak and ultrastrong coupling through exceptional points in carbon nanotube microcavity excitonâ€"polaritons. Nature Photonics, 2018, 12, 362-367.	15.6	99
43	Vacuum Blochâ€"Siegert shift in Landau polaritons with ultra-high cooperativity. Nature Photonics, 2018, 12, 324-329.	15.6	98
44	Ultrafast Quenching of Ferromagnetism in InMnAs Induced by Intense Laser Irradiation. Physical Review Letters, 2005, 95, 167401.	2.9	94
45	Interference-induced terahertz transparency in a semiconductor magneto-plasma. Nature Physics, 2010, 6, 126-130.	6.5	94
46	Coherent Lattice Vibrations in Single-Walled Carbon Nanotubes. Nano Letters, 2006, 6, 2696-2700.	4.5	93
47	Observation of Dicke cooperativity in magnetic interactions. Science, 2018, 361, 794-797.	6.0	91
48	Dry Contact Transfer Printing of Aligned Carbon Nanotube Patterns and Characterization of Their Optical Properties for Diameter Distribution and Alignment. ACS Nano, 2010, 4, 1131-1145.	7.3	90
49	Estimation of Magnetic Susceptibility Anisotropy of Carbon Nanotubes Using Magnetophotoluminescence. Nano Letters, 2004, 4, 2219-2221.	4.5	89
50	Superradiant Decay of Cyclotron Resonance of Two-Dimensional Electron Gases. Physical Review Letters, 2014, 113, 047601.	2.9	88
51	Generation of Terahertz Radiation by Optical Excitation of Aligned Carbon Nanotubes. Nano Letters, 2015, 15, 3267-3272.	4.5	86
52	Ultrafast magneto-optics in ferromagnetic IIIâ€"V semiconductors. Journal of Physics Condensed Matter, 2006, 18, R501-R530.	0.7	85
53	Giant superfluorescent bursts from a semiconductor magneto-plasma. Nature Physics, 2012, 8, 219-224.	6.5	85
54	Macroscopic weavable fibers of carbon nanotubes with giant thermoelectric power factor. Nature Communications, 2021, 12, 4931.	5.8	84

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55	Enrichment of Armchair Carbon Nanotubes via Density Gradient Ultracentrifugation: Raman Spectroscopy Evidence. ACS Nano, 2010, 4, 1955-1962.	7.3	83
56	Ultrafast Electroabsorption at the Transition between Classical and Quantum Response. Physical Review Letters, 2000, 85, 3293-3296.	2.9	80
57	3D microfabrication of single-wall carbon nanotube/polymer composites by two-photon polymerization lithography. Carbon, 2013, 59, 283-288.	5.4	79
58	Laser-Induced Above-Band-Gap Transparency in GaAs. Physical Review Letters, 2004, 93, 157401.	2.9	78
59	Giant tunable Faraday effect in a semiconductor magneto-plasma for broadband terahertz polarization optics. Optics Express, 2012, 20, 19484.	1.7	71
60	Nonlinear Photoluminescence Excitation Spectroscopy of Carbon Nanotubes: Exploring the Upper Density Limit of One-Dimensional Excitons. Physical Review Letters, 2009, 102, 037401.	2.9	70
61	Banning carbon nanotubes would be scientifically unjustified and damaging to innovation. Nature Nanotechnology, 2020, 15, 164-166.	15.6	69
62	Adsorption energy of oxygen molecules on graphene and two-dimensional tungsten disulfide. Scientific Reports, 2017, 7, 1774.	1.6	62
63	Stability of High-Density One-Dimensional Excitons in Carbon Nanotubes under High Laser Excitation. Physical Review Letters, 2005, 94, 097401.	2.9	60
64	Metamaterial-Free Flexible Graphene-Enabled Terahertz Sensors for Pesticide Detection at Bio-Interface. ACS Applied Materials & Interfaces, 2020, 12, 44281-44287.	4.0	59
65	Direct Laser Writing of 3D Architectures of Aligned Carbon Nanotubes. Advanced Materials, 2014, 26, 5653-5657.	11.1	58
66	Fundamental optical processes in armchair carbon nanotubes. Nanoscale, 2013, 5, 1411.	2.8	56
67	Ultrahigh-Sensitivity Molecular Sensing with Carbon Nanotube Terahertz Metamaterials. ACS Applied Materials & Interfaces, 2020, 12, 40629-40634.	4.0	55
68	Singular charge fluctuations at a magnetic quantum critical point. Science, 2020, 367, 285-288.	6.0	55
69	Terahertz time-domain magnetospectroscopy of a high-mobility two-dimensional electron gas. Optics Letters, 2007, 32, 1845.	1.7	54
70	Chirality-Selective Excitation of Coherent Phonons in Carbon Nanotubes by Femtosecond Optical Pulses. Physical Review Letters, 2009, 102, 037402.	2.9	54
71	Far-infrared magneto-optical study of two-dimensional electrons and holes in InAs/AlxGa1â^'xSb quantum wells. Physical Review B, 1997, 55, 1617-1636.	1.1	52
72	Collective antenna effects in the terahertz and infrared response of highly aligned carbon nanotube arrays. Physical Review B, 2013, 87, .	1.1	52

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73	Giant Terahertz-Wave Absorption by Monolayer Graphene in a Total Internal Reflection Geometry. ACS Photonics, 2017, 4, 121-126.	3.2	52
74	Intersubband plasmons in the quantum limit in gated and aligned carbon nanotubes. Nature Communications, 2018, 9, 1121.	5.8	52
75	Alignment Dynamics of Single-Walled Carbon Nanotubes in Pulsed Ultrahigh Magnetic Fields. ACS Nano, 2009, 3, 131-138.	7.3	51
76	Figure of Merit for Carbon Nanotube Photothermoelectric Detectors. ACS Nano, 2015, 9, 11618-11627.	7.3	51
77	Carbon nanotube fiber terahertz polarizer. Applied Physics Letters, 2016, 108, .	1.5	50
78	Solving the Thermoelectric Trade-Off Problem with Metallic Carbon Nanotubes. Nano Letters, 2019, 19, 7370-7376.	4.5	50
79	Cooperative Recombination of a Quantized High-Density Electron-Hole Plasma in Semiconductor Quantum Wells. Physical Review Letters, 2006, 96, 237401.	2.9	49
80	Electronic states and cyclotron resonance inn-type InMnAs. Physical Review B, 2003, 68, .	1.1	47
81	Circular polarization dependent cyclotron resonance in large-area graphene in ultrahigh magnetic fields. Physical Review B, 2012, 85, .	1.1	46
82	Carbon nanotube woven textile photodetector. Physical Review Materials, 2018, 2, .	0.9	42
83	Resonant coherent phonon spectroscopy of single-walled carbon nanotubes. Physical Review B, 2009, 79, .	1.1	41
84	Ultrahigh field electron cyclotron resonance absorption inIn1â˘'xMnxAsfilms. Physical Review B, 2002, 66, .	1.1	40
85	Unique Origin of Colors of Armchair Carbon Nanotubes. Journal of the American Chemical Society, 2012, 134, 4461-4464.	6.6	39
86	Ultrastrong magnonâ€"magnon coupling dominated by antiresonant interactions. Nature Communications, 2021, 12, 3115.	5.8	39
87	Groove-Assisted Global Spontaneous Alignment of Carbon Nanotubes in Vacuum Filtration. Nano Letters, 2020, 20, 2332-2338.	4.5	38
88	Femtosecond demagnetization and hot-hole relaxation in ferromagnetic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Ga</mml:mtext></mml:mrow><mml:mrow><mml:mn>1</mml:mi Physical Review B, 2008, 77, .	1.1	37
89	Directional sensing based on flexible aligned carbon nanotube film nanocomposites. Nanoscale, 2018, 10, 14938-14946.	2.8	37
90	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

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91	Ultra-fast optical spectroscopy of micelle-suspended single-walled carbon nanotubes. Applied Physics A: Materials Science and Processing, 2004, 78, 1093-1098.	1.1	36
92	Direct measurement of cyclotron coherence times of high-mobility two-dimensional electron gases. Optics Express, 2010, 18, 12354.	1.7	36
93	Quantum control of a Landau-quantized two-dimensional electron gas in a GaAs quantum well using coherent terahertz pulses. Physical Review B, 2011, 84, .	1.1	35
94	Macroscopically Aligned Carbon Nanotubes as a Refractory Platform for Hyperbolic Thermal Emitters. ACS Photonics, 2019, 6, 1602-1609.	3.2	35
95	Resonant Raman spectroscopy of armchair carbon nanotubes: Absence of broad<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mi>G</mml:mi><mml:mrow><mml:mo>â ̂’</mml:mo></mml:mrow></mml:msup></m Physical Review B, 2011, 84, .	1.1	34
96	Single-shot terahertz time-domain spectroscopy in pulsed high magnetic fields. Optics Express, 2016, 24, 30328.	1.7	34
97	Ultrahigh strength, modulus, and conductivity of graphitic fibers by macromolecular coalescence. Science Advances, 2022, 8, eabn0939.	4.7	34
98	High-field cyclotron resonance and impurity transition inn-type andp-type 3C-SiC at magnetic fields up to 175 T. Physical Review B, 1993, 48, 10909-10916.	1.1	33
99	Coherent phonons in carbon nanotubes and graphene. Chemical Physics, 2013, 413, 55-80.	0.9	33
100	3D Band Diagram and Photoexcitation of 2Dâ€“3D Semiconductor Heterojunctions. Nano Letters, 2015, 15, 5919-5925.	4.5	33
101	Magnetophonon resonance in graphite: High-field Raman measurements and electron-phonon coupling contributions. Physical Review B, 2012, 85, .	1.1	32
102	A Review of the Terahertz Conductivity and Photoconductivity of Carbon Nanotubes and Heteronanotubes. Advanced Optical Materials, 2021, 9, 2101042.	3.6	32
103	Propagating coherent acoustic phonon wave packets inInxMn1â ̂’xAsâ ̂•GaSb. Physical Review B, 2005, 72, .	1.1	31
104	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
105	Cyclotron-resonance oscillations in a two-dimensional electron-hole system. Physical Review B, 1994, 50, 12242-12245.	1.1	30
106	Theory of coherent phonons in carbon nanotubes and graphene nanoribbons. Journal of Physics Condensed Matter, 2013, 25, 144201.	0.7	30
107	Temperatureâ€dependent magnetoâ€photoluminescence spectroscopy of carbon nanotubes: evidence for dark excitons. Laser and Photonics Reviews, 2007, 1, 260-274.	4.4	28
108	Existence of an upper limit on the density of excitons in carbon nanotubes by diffusion-limited exciton-exciton annihilation: Experiment and theory. Physical Review B, 2009, 80, .	1.1	28

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109	Impact of growth temperature on InAs/GaInSb strained layer superlattices for very long wavelength infrared detection. Applied Physics Letters, 2012, 101, .	1.5	28
110	Measurement of Filling-Factor-Dependent Magnetophonon Resonances in Graphene Using Raman Spectroscopy. Physical Review Letters, 2013, 110, 227402.	2.9	28
111	High-field cyclotron resonance and valence-band structure in semiconducting diamond. Physical Review B, 1993, 48, 10917-10925.	1.1	27
112	Observation of Forbidden Exciton Transitions Mediated by Coulomb Interactions in Photoexcited Semiconductor Quantum Wells. Physical Review Letters, 2013, 110, 137404.	2.9	27
113	Magnetic Control of Soft Chiral Phonons in PbTe. Physical Review Letters, 2022, 128, 075901.	2.9	27
114	High field cyclotron resonance and the electron effective masses in AlAs. Solid State Communications, 1991, 79, 1039-1042.	0.9	26
115	Diffusion-limited exciton-exciton annihilation in single-walled carbon nanotubes: A time-dependent analysis. Physical Review B, 2009, 79, .	1.1	26
116	Nematic-Like Alignment in SWNT Thin Films from Aqueous Colloidal Suspensions. Industrial & Engineering Chemistry Research, 2012, 51, 10232-10237.	1.8	26
117	Isotropic Seebeck coefficient of aligned single-wall carbon nanotube films. Applied Physics Letters, 2018, 113, .	1.5	26
118	Single-Walled Carbon Nanotubes. , 2013, , 105-146.		26
119	Cooperative recombination of electron-hole pairs in semiconductor quantum wells under quantizing magnetic fields. Physical Review B, 2010, 81, .	1.1	25
120	Imaging molecular adsorption and desorption dynamics on graphene using terahertz emission spectroscopy. Scientific Reports, 2014, 4, 6046.	1.6	25
121	Charged iodide in chains behind the highly efficient iodine doping in carbon nanotubes. Physical Review Materials, 2017, 1, .	0.9	25
122	Ultrafast optical and magneto-optical studies of IIIâ€"V ferromagnetic semiconductors. Journal of Modern Optics, 2004, 51, 2771-2780.	0.6	24
123	Magneto-optical spectroscopy of highly aligned carbon nanotubes: Identifying the role of threading magnetic flux. Physical Review B, 2008, 78, .	1.1	24
124	Large Anisotropy in the Magnetic Susceptibility of Metallic Carbon Nanotubes. Physical Review Letters, 2010, 105, 017403.	2.9	24
125	Asymmetric excitation profiles in the resonance Raman response of armchair carbon nanotubes. Physical Review B, 2015, 91, .	1.1	24
126	Fermi-edge superfluorescence from a quantum-degenerate electron-hole gas. Scientific Reports, 2013, 3, 3283.	1.6	23

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127	One-directional thermal transport in densely aligned single-wall carbon nanotube films. Applied Physics Letters, 2019, 115, .	1.5	23
128	Ultrahigh-field hole cyclotron resonance absorption inIn1â^'xMnxAsfilms. Physical Review B, 2004, 70, .	1.1	22
129	Ultrafast softening in InMnAs. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 20, 412-418.	1.3	22
130	Enhancement of the Electron Spin Resonance of Single-Walled Carbon Nanotubes by Oxygen Removal. ACS Nano, 2012, 6, 2165-2173.	7.3	22
131	Terahertz Dynamics of Quantum-Confined Electrons in Carbon Nanomaterials. Journal of Infrared, Millimeter, and Terahertz Waves, 2012, 33, 846-860.	1.2	22
132	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
133	Review of Anisotropic Terahertz Material Response. Journal of Infrared, Millimeter, and Terahertz Waves, 2013, 34, 724-739.	1.2	22
134	Carbon Nanotube Devices for Quantum Technology. Materials, 2022, 15, 1535.	1.3	22
135	Probing the semiconductor to semimetal transition in InAs/GaSb double quantum wells by magneto-infrared spectroscopy. Physical Review B, 2017, 95, .	1.1	21
136	Terahertz Excitonics in Carbon Nanotubes: Exciton Autoionization and Multiplication. Nano Letters, 2020, 20, 3098-3105.	4.5	21
137	Picosecond time-resolved cyclotron resonance in semiconductors. Applied Physics Letters, 1999, 75, 1119-1121.	1.5	20
138	Relaxation of quasi-two-dimensional electrons in a quantizing magnetic field probed by time-resolved cyclotron resonance. Physical Review B, 2003, 67, .	1.1	19
139	Effects of etchants in the transfer of chemical vapor deposited graphene. Journal of Applied Physics, 2018, 123, .	1.1	19
140	Macroscopically aligned carbon nanotubes for flexible and high-temperature electronics, optoelectronics, and thermoelectrics. Journal Physics D: Applied Physics, 2020, 53, 063001.	1.3	19
141	Ultrafast Optical Manipulation of Ferromagnetic Order in InMnAs/GaSb. Journal of Superconductivity and Novel Magnetism, 2003, 16, 373-377.	0.5	18
142	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
143	Colors of Singleâ€Wall Carbon Nanotubes. Advanced Materials, 2021, 33, e2006395.	11.1	18
144	Theory of carrier dynamics and time resolved reflectivity inInxMn1â^'xAsâ^•GaSbheterostructures. Physical Review B, 2005, 72, .	1.1	17

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145	Above-bandgap magneto-optical Kerr effect in ferromagnetic Ga<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>âˆ'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:mrow></mml xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mi>x</mml:mi></mml:mrow>	1.1	17
146	Modulationâ€Doped Multiple Quantum Wells of Aligned Singleâ€Wall Carbon Nanotubes. Advanced Functional Materials, 2017, 27, 1606022.	7.8	17
147	Guided-mode resonances in flexible 2D terahertz photonic crystals. Optica, 2020, 7, 537.	4.8	17
148	Resonant Coherent Phonon Generation in Single-Walled Carbon Nanotubes through Near-Band-Edge Excitation. ACS Nano, 2010, 4, 3222-3226.	7.3	16
149	Polarization dependence of coherent phonon generation and detection in highly-aligned single-walled carbon nanotubes. Physical Review B, 2011, 83, .	1.1	16
150	Optimum growth window for InAs/GaInSb 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
151	Coherent terahertz control. Nature Photonics, 2011, 5, 5-6.	15.6	15
152	Superfluorescence from photoexcited semiconductor quantum wells: Magnetic field, temperature, and excitation power dependence. Physical Review B, 2015, 91, .	1.1	15
153	Terahertz Faraday and Kerr rotation spectroscopy of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mrow><mml:mn>1</m films in high magnetic fields up to 30 tesla. Physical Review B, 2019, 100, .	1.1	15
154	Direct observation of cross-polarized excitons in aligned single-chirality single-wall carbon nanotubes. Physical Review B, 2019, 99, .	1.1	15
155	Time-domain terahertz spectroscopy in high magnetic fields. Frontiers of Optoelectronics, 2021, 14, 110-129.	1.9	15
156	Anisotropic decay dynamics of photoexcited aligned carbon nanotube bundles. Physical Review B, 2007, 75, .	1.1	14
157	Bright and Ultrafast Photoelectron Emission from Aligned Single-Wall Carbon Nanotubes through Multiphoton Exciton Resonance. Nano Letters, 2019, 19, 158-164.	4.5	13
158	Role of Coulomb interactions in dark-bright magnetoexciton mixing in strained quantum wells. Physical Review B, 2005, 72, .	1.1	12
159	Dephasing of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>G</mml:mi></mml:math>-band phonons in single-wall carbon nanotubes probed via impulsive stimulated Raman scattering. Physical Review B, 2012, 86, .	1.1	12
160	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
161	Giant terahertz polarization rotation in ultrathin films of aligned carbon nanotubes. Optica, 2021, 8, 760.	4.8	12
162	Theoretical and experimental studies of cyclotron resonance in p-type InAs and InMnAs at ultrahigh magnetic fields. Journal of Applied Physics, 2003, 93, 6897-6899.	1.1	11

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163	High Magnetic Field Phenomena in Carbon Nanotubes. Topics in Applied Physics, 2007, , 393-422.	0.4	11
164	Renormalized energies of superfluorescent bursts from an electron-hole magnetoplasma with high gain in In<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:msub></mml:math>Ga<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>âˆ'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>As quantum wells. Physical Review B, 2013, 87, .	1.1	11
165	Quantum-Memory-Enabled Ultrafast Optical Switching in Carbon Nanotubes. ACS Photonics, 2020, 7, 1382-1387.	3.2	11
166	Polarization anisotropy of transient carrier and phonon dynamics in carbon nanotubes. Journal of Applied Physics, 2009, 105, 103506.	1.1	10
167	Generation of superfluorescent bursts from a fully tunable semiconductor magnetoâ€plasma. Fortschritte Der Physik, 2013, 61, 393-403.	1.5	10
168	Spin relaxation times of single-wall carbon nanotubes. Physical Review B, 2013, 88, .	1.1	10
169	Rapid scanning terahertz time-domain magnetospectroscopy with a table-top repetitive pulsed magnet. Applied Optics, 2014, 53, 5850.	0.9	10
170	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
171	Tunable ultrasharp terahertz plasma edge in a lightly doped narrow-gap semiconductor. Optics Express, 2021, 29, 9261.	1.7	10
172	Magnonic superradiant phase transition. Communications Physics, 2022, 5, .	2.0	10
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