

Peter Uhd Jepsen

List of Publications by Year in descending order

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220
papers

11,332
citations

41344

49
h-index

29157

104
g-index

224
all docs

224
docs citations

224
times ranked

8365
citing authors

#	ARTICLE	IF	CITATIONS
1	Bottom-up Etching-Mediated Synthesis of Large-Scale Pure Monolayer Graphene on Cyclic Polishing-Annealed Cu(111) (Adv. Mater. 8/2022). Advanced Materials, 2022, 34, .	21.0	0
2	Resonant Laser Printing of Optical Metasurfaces. Nano Letters, 2022, 22, 2786-2792.	9.1	20
3	Terahertz Time-Domain Spectroscopy. Springer Series in Optical Sciences, 2022, , 15-22.	0.7	0
4	Four-probe sensing of temperature during Joule heating of silicon. Review of Scientific Instruments, 2021, 92, 014903.	1.3	0
5	Near-infrared nanospectroscopy using a low-noise supercontinuum source. APL Photonics, 2021, 6, .	5.7	18
6	Multi-mW-level, air-plasma induced ultra-broadband THz pulses for nonlinear THz spectroscopy. , 2021, , .		0
7	Sensitivity characterization of a photomultiplier tube for terahertz radiation. , 2021, , .		0
8	Subcycle Nonlinear Response of Doped 4<i>H</i> Silicon Carbide Revealed by Two-Dimensional Terahertz Spectroscopy. ACS Photonics, 2020, 7, 221-231.	6.6	9
9	High-power few-cycle THz generation at MHz repetition rates in an organic crystal. APL Photonics, 2020, 5, .	5.7	28
10	Ultrafast THz-driven electron emission from metal metasurfaces. Journal of Applied Physics, 2020, 128, .	2.5	21
11	Noise and spectral stability of deep-UV gas-filled fiber-based supercontinuum sources driven by ultrafast mid-IR pulses. Scientific Reports, 2020, 10, 4912.	3.3	28
12	Fermi velocity renormalization in graphene probed by terahertz time-domain spectroscopy. 2D Materials, 2020, 7, 035009.	4.4	23
13	Wafer-scale graphene quality assessment using micro four-point probe mapping. Nanotechnology, 2020, 31, 225709.	2.6	7
14	Production and processing of graphene and related materials. 2D Materials, 2020, 7, 022001.	4.4	333
15	MHz-repetition-rate, sub-mW, multi-octave THz wave generation in HMQ-TMS. Optics Express, 2020, 28, 9631.	3.4	16
16	Reference-free THz-TDS conductivity analysis of thin conducting films. Optics Express, 2020, 28, 28819.	3.4	19
17	Mono-crystalline gold platelets: a high-quality platform for surface plasmon polaritons. Nanophotonics, 2020, 9, 509-522.	6.0	21
18	Enhancing the Efficacy of Collinear Optical Rectification for Broadband THz Radiation at MHz Repetition Rates. , 2020, , .		0

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19	Mid-infrared, long-wave infrared, and terahertz photonics: introduction. <i>Optics Express</i> , 2020, 28, 14169.	3.4	4
20	Milliwatt-level multi-MHz THz wave generation in the organic crystal HMQ-TMS with a compressed fiber laser. , 2020, , .		0
21	A terahertz and infrared sensitive photomultiplier tube with a fieldmixing photocathode. , 2020, , .		2
22	Attenuation of THz Beams: A "How to" Tutorial. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2019, 40, 878-904.	2.2	18
23	Terahertz spectroscopy from air plasmas created by two-color femtosecond laser pulses: The ALTESSE project. <i>Europhysics Letters</i> , 2019, 126, 24001.	2.0	39
24	Quantifying crystalline β -lactose monohydrate in amorphous lactose using terahertz time domain spectroscopy and near infrared spectroscopy. <i>Vibrational Spectroscopy</i> , 2019, 102, 39-46.	2.2	17
25	Phase Retrieval in Terahertz Time-Domain Measurements: a "how to" Tutorial. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2019, 40, 395-411.	2.2	55
26	Non-contact mobility measurements of graphene on silicon carbide. <i>Microelectronic Engineering</i> , 2019, 212, 9-12.	2.4	8
27	A photomultiplier tube with sensitivity in the entire terahertz- and infrared frequency range. , 2019, , .		2
28	Terahertz time-domain spectroscopy of zone-folded acoustic phonons in 4H and 6H silicon carbide. <i>Optics Express</i> , 2019, 27, 3618.	3.4	29
29	Wavelength scaling of terahertz pulse energies delivered by two-color air plasmas. <i>Optics Letters</i> , 2019, 44, 1488.	3.3	38
30	Direct Injection of Ultrashort Electron Bunches Into a Solid Material Using Terahertz-Driven Electron Field Emission. , 2018, , .		1
31	Ultra-broadband THz photonic wireless transmission. , 2018, , .		0
32	High-efficiency Sub-single-cycle THz Wave Generation by Three-color Air Plasma. , 2018, , .		2
33	Conductivity mapping of graphene on polymeric films by terahertz time-domain spectroscopy. <i>Optics Express</i> , 2018, 26, 17748.	3.4	29
34	Quality assessment of terahertz time-domain spectroscopy transmission and reflection modes for graphene conductivity mapping. <i>Optics Express</i> , 2018, 26, 9220.	3.4	36
35	Electrical Homogeneity Mapping of Epitaxial Graphene on Silicon Carbide. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 31641-31647.	8.0	20
36	Terahertz emission from laser-driven gas plasmas: a plasmonic point of view. <i>Optica</i> , 2018, 5, 1617.	9.3	15

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37	High impact ionization rate in silicon by sub-picosecond THz electric field pulses (Conference) Tj ETQq1 1 0.784314 rgBT /Ovgrlock 10 T		
38	Inspection of Asian Lacquer Substructures by Terahertz Time-Domain Imaging (THz-TDI). Journal of Infrared, Millimeter, and Terahertz Waves, 2017, 38, 425-434.	2.2	6
39	Insights on the Side Panels of the Franciscan Triptych by Fra Angelico Using Terahertz Time-Domain Imaging (THz-TDI). Journal of Infrared, Millimeter, and Terahertz Waves, 2017, 38, 413-424.	2.2	7
40	120 Gb/s Multi-Channel THz Wireless Transmission and THz Receiver Performance Analysis. IEEE Photonics Technology Letters, 2017, 29, 310-313.	2.5	53
41	Impact ionization dynamics in silicon by MV/cm THz fields. New Journal of Physics, 2017, 19, 123018.	2.9	35
42	Sputtering an exterior metal coating on copper enclosure for large-scale growth of single-crystalline graphene. 2D Materials, 2017, 4, 045017.	4.4	17
43	Mapping the electrical properties of large-area graphene. 2D Materials, 2017, 4, 042003.	4.4	113
44	Electron dynamics in metals and semiconductors in strong THz fields. , 2017, , .		0
45	Space-Time mapping of terahertz-induced electron field emission. , 2017, , .		1
46	Bridging the gap between the THz and IR frequency regime. , 2017, , .		0
47	Ultra-broadband THz time-domain spectroscopy of energetic materials. , 2017, , .		0
48	Fundamentals for a terahertz-driven electron gun. , 2017, , .		0
49	Robust mapping of electrical properties of graphene from terahertz time-domain spectroscopy with timing jitter correction. Optics Express, 2017, 25, 2725.	3.4	32
50	Ultrafast Nonlinear Response of Silicon Carbide to Intense THz Fields. , 2017, , .		0
51	Time-resolved terahertz spectroscopy of charge carrier dynamics in the chalcogenide glass As ₃₀ Se ₃₀ Te ₄₀ [Invited]. Photonics Research, 2016, 4, A22.	7.0	8
52	Experimental analysis of THz receiver performance in 80 Gbit/s communication system. , 2016, , .		3
53	Timing jitter correction for THz-TDS measurements of graphene. , 2016, , .		0
54	Broadband terahertz spectroscopy of chalcogenide glass As ₃₀ Se ₃₀ Te ₄₀ . , 2016, , .		0

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55	Fra Angelico's painting technique revealed by terahertz time-domain imaging (THz-TDI). Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	7
56	Exploring THz band for high speed wireless communications. , 2016, , .		9
57	Time-domain electric field enhancement on micrometer scale in coupled split ring resonator upon terahertz radiation. , 2016, , .		1
58	THz-induced ultrafast modulation of NIR refractive index of silicon. , 2016, , .		0
59	Ultrabroadband THz time-domain spectroscopy of biomolecular crystals. , 2016, , .		1
60	Robustness of various metals against high THz field induced damage. , 2016, , .		0
61	THz Wireless Transmission Systems Based on Photonic Generation of Highly Pure Beat-Notes. IEEE Photonics Journal, 2016, 8, 1-8.	2.0	20
62	Amplification of resonant field enhancement by plasmonic lattice coupling in metallic slit arrays. Scientific Reports, 2016, 6, 37738.	3.3	13
63	400-GHz Wireless Transmission of 60-Gb/s Nyquist-QPSK Signals Using LTC-PD and Heterodyne Mixer. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 765-770.	3.1	49
64	Contactless graphene conductance measurements: the effect of device fabrication on terahertz time-domain spectroscopy. International Journal of Nanotechnology, 2016, 13, 591.	0.2	13
65	Non-invasive Florentine Renaissance Panel Painting Replica Structures Investigation by Using Terahertz Time-Domain Imaging (THz-TDI) Technique. Journal of Infrared, Millimeter, and Terahertz Waves, 2016, 37, 1148-1156.	2.2	9
66	Terahertz Plasmonic Structure With Enhanced Sensing Capabilities. IEEE Sensors Journal, 2016, 16, 2484-2488.	4.7	106
67	Linearity of Air-Biased Coherent Detection for Terahertz Time-Domain Spectroscopy. Journal of Infrared, Millimeter, and Terahertz Waves, 2016, 37, 592-604.	2.2	25
68	Wall Painting Investigation by Means of Non-invasive Terahertz Time-Domain Imaging (THz-TDI): Inspection of Subsurface Structures Buried in Historical Plasters. Journal of Infrared, Millimeter, and Terahertz Waves, 2016, 37, 198-208.	2.2	48
69	Experimental comparison of models for ultrafast impact ionization in silicon. , 2016, , .		0
70	Terahertz wafer-scale mobility mapping of graphene on insulating substrates without a gate. Optics Express, 2015, 23, 30721.	3.4	50
71	Ultrafast electron field emission from gold resonant antennas studied by two terahertz pulse experiments. , 2015, , .		0
72	Analysis of a seventeenth-century panel painting by reflection terahertz time-domain imaging (THz-TDI): contribution of ultrafast optics to museum collections inspection. Applied Physics A: Materials Science and Processing, 2015, 121, 981-986.	2.3	18

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73	Inspection of panel paintings beneath gilded finishes using terahertz time-domain imaging. <i>Studies in Conservation</i> , 2015, 60, S159-S166.	1.1	19
74	Wafer-scale characterization of carrier dynamics in graphene. , 2015, , .		0
75	60 Gbit/s 400 GHz wireless transmission. , 2015, , .		26
76	High quality beams of MV/cm THz pulses generated from DSTMS. , 2015, , .		0
77	Ultrabroadband terahertz characterization of highly doped ZnO and ITO. , 2015, , .		0
78	Experimental characterization of extremely broadband THz impulse radio communication systems. , 2015, , .		0
79	THz induced nonlinear absorption in ZnTe. , 2015, , .		0
80	Non-destructive electrochemical graphene transfer from reusable thin-film catalysts. <i>Carbon</i> , 2015, 85, 397-405.	10.3	41
81	Quantum-based integrated non-linear sources. <i>IET Optoelectronics</i> , 2015, 9, 82-87.	3.3	0
82	Graphene mobility mapping. <i>Scientific Reports</i> , 2015, 5, 12305.	3.3	89
83	Metamaterial-based design for a half-wavelength plate in the terahertz range. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 119, 467-473.	2.3	6
84	Dielectric tube waveguides with absorptive cladding for broadband, low-dispersion and low loss THz guiding. <i>Scientific Reports</i> , 2015, 5, 7620.	3.3	81
85	Ultrabroadband terahertz conductivity of highly doped ZnO and ITO. <i>Optical Materials Express</i> , 2015, 5, 566.	3.0	39
86	Nitrogen plasma formation through terahertz-induced ultrafast electron field emission. <i>Optica</i> , 2015, 2, 116.	9.3	64
87	Permanently reconfigured metamaterials due to terahertz induced mass transfer of gold. <i>Optics Express</i> , 2015, 23, 11586.	3.4	23
88	Reflection terahertz time-domain imaging for analysis of an 18th century neoclassical easel painting. <i>Applied Optics</i> , 2015, 54, 5123.	2.1	66
89	Impact ionization in high resistivity silicon induced by an intense terahertz field enhanced by an antenna array. <i>New Journal of Physics</i> , 2015, 17, 043002.	2.9	49
90	Towards ultrahigh speed impulse radio THz wireless communications. , 2015, , .		1

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91	Modeling of ultrafast THz interactions in molecular crystals. Proceedings of SPIE, 2014, , .	0.8	0
92	Terahertz field induced electromigration. , 2014, , .		0
93	Ultraviolet light emission from resonant gold dipole antennas in air illuminated with intense sub-picosecond terahertz transients. , 2014, , .		0
94	Metal membrane with dimer slots as a universal polarizer. Proceedings of SPIE, 2014, , .	0.8	0
95	Metamaterial Composite with an Ultra-Broadband Usable Range of over 25 Terahertz. , 2014, , .		0
96	THz Tube Waveguides With Low Loss, Low Dispersion, and High Bandwidth. , 2014, , .		0
97	In situ spectroscopic characterization of a terahertz resonant cavity. Optica, 2014, 1, 272.	9.3	8
98	Design and optimization of mechanically down-doped terahertz fiber directional couplers. Optics Express, 2014, 22, 9486.	3.4	31
99	Spectrally resolved measurements of the terahertz beam profile generated from a two-color air plasma. , 2014, , .		1
100	Metamaterial composite bandpass filter with an ultra-broadband rejection bandwidth of up to 240 terahertz. Applied Physics Letters, 2014, 104, 191103.	3.3	24
101	Ultrabroadband THz Time-Domain Spectroscopy of a Free-Flowing Water Film. IEEE Transactions on Terahertz Science and Technology, 2014, 4, 425-431.	3.1	50
102	Electrically Continuous Graphene from Single Crystal Copper Verified by Terahertz Conductance Spectroscopy and Micro Four-Point Probe. Nano Letters, 2014, 14, 6348-6355.	9.1	74
103	The prospects of ultra-broadband THz wireless communications. , 2014, , .		12
104	Resonant field enhancement in periodically arranged microslits for non-linear terahertz spectroscopy. , 2014, , .		1
105	Time resolved broadband terahertz relaxation dynamics of electron in water. , 2014, , .		0
106	Probing Inside THz Parallel-Plate Waveguides with Resonant Cavities. , 2014, , .		0
107	Numerical Investigation of Ultrafast interaction between THz Fields and Crystalline Materials. , 2014, , .		0
108	Design and Optimization of Air-Doped 3-dB Terahertz Fiber Directional Couplers. , 2014, , .		0

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109	Experimental observation of plasmons in a graphene monolayer resting on a two-dimensional subwavelength silicon grating. Applied Physics Letters, 2013, 102, .	3.3	109
110	Optically active Babinet planar metamaterial film for terahertz polarization manipulation. Laser and Photonics Reviews, 2013, 7, 810-817.	8.7	27
111	Experimental three-dimensional beam profiling and modeling of a terahertz beam generated from a two-color air plasma. New Journal of Physics, 2013, 15, 075012.	2.9	79
112	Optimization design of optical waveguide control by nanoslit-enhanced THz field. Photonics and Nanostructures - Fundamentals and Applications, 2013, 11, 310-322.	2.0	2
113	Propagation and excitation of graphene plasmon polaritons. , 2013, , .		0
114	3D terahertz beam profiling. Proceedings of SPIE, 2013, , .	0.8	2
115	Terahertz-induced Kerr effect in amorphous chalcogenide glasses. Applied Physics Letters, 2013, 103, .	3.3	48
116	Observation of forward propagating THz mode emitted from a two-color laser-induced air plasma. Journal of Infrared, Millimeter, and Terahertz Waves, 2013, 34, 777-779.	2.2	1
117	Spatial properties of a terahertz beam generated from a two-color air plasma. Proceedings of SPIE, 2013, , .	0.8	1
118	Multi-THz spectroscopy of mobile charge carriers in P3HT:PCBM on a sub-100 fs time scale. , 2013, , .		3
119	On Ultrafast Photoconductivity Dynamics and Crystallinity of Black Silicon. IEEE Transactions on Terahertz Science and Technology, 2013, 3, 331-341.	3.1	9
120	Introduction to the Issue on Current Trends in Terahertz Photonics and Applications. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 0200202-0200202.	2.9	1
121	Microring Diode Laser for THz Generation. IEEE Transactions on Terahertz Science and Technology, 2013, 3, 472-478.	3.1	1
122	Numerical Investigation of Terahertz Emission Properties of Microring Difference-Frequency Resonators. IEEE Transactions on Terahertz Science and Technology, 2013, 3, 192-199.	3.1	3
123	Excitation of plasmon modes in a graphene monolayer supported on a 2D subwavelength silicon grating. , 2013, , .		0
124	Characterization of European lacquers by terahertz (THz) reflectometric imaging. , 2013, , .		10
125	Evolution of the THz Beam Profile from a Two-Color Air Plasma Through a Beam Waist. , 2013, , .		0
126	Terahertz-field-induced photoluminescence of nanostructured gold films. , 2013, , .		0

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127	Picosecond dynamics of internal exciton transitions in CdSe nanorods. <i>Physical Review B</i> , 2013, 88, .	3.2	7
128	THz reflectometric imaging of contemporary panel artwork. , 2013, , .		2
129	THz reflectometric imaging of medieval wall paintings. , 2013, , .		0
130	Introduction to the special issue on terahertz spectroscopy. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2013, 3, 237-238.	3.1	3
131	Ultrabroadband terahertz spectroscopy of a liquid crystal. <i>Optics Express</i> , 2012, 20, 28249.	3.4	69
132	Fabrication and characterization of porous-core honeycomb bandgap THz fibers. <i>Optics Express</i> , 2012, 20, 29507.	3.4	133
133	Optical waveguide mode control by nanoslit-enhanced terahertz field. <i>Optics Letters</i> , 2012, 37, 3903.	3.3	39
134	Terahertz field enhancement to the MV/cm regime in a tapered parallel plate waveguide. <i>Optics Express</i> , 2012, 20, 8344.	3.4	48
135	A new method for obtaining transparent electrodes. <i>Optics Express</i> , 2012, 20, 22770.	3.4	52
136	Ultrabroadband terahertz spectroscopy of chalcogenide glasses. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	52
137	Ultrabroadband terahertz conductivity of Si nanocrystal films. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	37
138	Publisher's Note: Direct Observation of Sub-100Ås Mobile Charge Generation in a Polymer-Fullerene Film [<i>Phys. Rev. Lett.</i> 108, 056603 (2012)]. <i>Physical Review Letters</i> , 2012, 108, .	7.8	0
139	Non-resonant terahertz field enhancement in periodically arranged nanoslits. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	38
140	Spectral Compression of Intense Femtosecond Pulses by Self Phase Modulation in Silica Glass. , 2012, , .		0
141	Terahertz Spectroscopy of Crystalline and Non-Crystalline Solids. <i>Springer Series in Optical Sciences</i> , 2012, , 191-227.	0.7	5
142	A new mechanism to design transparent electrodes: THz realizations. , 2012, , .		0
143	Flexible metamaterial absorbers for stealth applications at terahertz frequencies. <i>Optics Express</i> , 2012, 20, 635.	3.4	308
144	Quantitative mapping of large area graphene conductance. , 2012, , .		1

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145	Graphene Conductance Uniformity Mapping. Nano Letters, 2012, 12, 5074-5081.	9.1	152
146	Direct Observation of Sub-100Ås Mobile Charge Generation in a Polymer-Fullerene Film. Physical Review Letters, 2012, 108, 056603.	7.8	79
147	Ultrabroadband THz spectroscopic investigation of As ₂ S ₃ . , 2012, , .		0
148	Mode profiling of THz fibers with dynamic aperture near-field imaging. , 2011, , .		0
149	Non-invasive method of field imaging in parallel plate waveguides. , 2011, , .		0
150	Two-dimensional fractal metamaterials for applications in THz. , 2011, , .		1
151	Finite-difference time-domain analysis of time-resolved terahertz spectroscopy experiments. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 1308.	2.1	26
152	Porous-core honeycomb bandgap THz fiber. Optics Letters, 2011, 36, 666.	3.3	87
153	Terahertz radiation gets shaken up. Nature Nanotechnology, 2011, 6, 79-80.	31.5	3
154	Towards a Terahertz Room-Temperature Integrated Source. Procedia Computer Science, 2011, 7, 205-206.	2.0	0
155	Effect of Copper on the Carrier Lifetime in Black Silicon. Journal of Infrared, Millimeter, and Terahertz Waves, 2011, 32, 883-886.	2.2	2
156	Optimized Optical Rectification and Electro-optic Sampling in ZnTe Crystals with Chirped Femtosecond Laser Pulses. Journal of Infrared, Millimeter, and Terahertz Waves, 2011, 32, 1371-1381.	2.2	19
157	Terahertz spectroscopy and imaging – Modern techniques and applications. Laser and Photonics Reviews, 2011, 5, 124-166.	8.7	1,525
158	Non-invasive terahertz field imaging inside parallel plate waveguides. Applied Physics Letters, 2011, 99, .	3.3	14
159	Terahertz Reflection Spectroscopy of Aqueous NaCl and LiCl Solutions. Journal of Infrared, Millimeter, and Terahertz Waves, 2010, 31, 430.	2.2	7
160	Time-resolved terahertz spectroscopy of conjugated polymer/CdSe nanorod composites. Proceedings of SPIE, 2010, , .	0.8	1
161	A mul ti-element THz imaging system. , 2010, , .		1
162	Broadband polymer microstructured THz fiber coupler with down-doped cores. , 2010, , .		0

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163	Nonlinear generation and detection of THz pulses in ZnTe with chirped femtosecond laser pulses. , 2010, , .		0
164	Transmission and Reflection Properties of Terahertz Fractal Metamaterials. , 2010, , .		0
165	Dielectric Properties of Water in Butter and Waterâ€”AOTâ€”Heptane Systems Measured Using Terahertz Time-Domain Spectroscopy. Applied Spectroscopy, 2010, 64, 1028-1036.	2.2	9
166	Modeling terahertz heating effects on water. Optics Express, 2010, 18, 4727.	3.4	60
167	Optical fiber link for transmission of 1-nj femtosecond laser pulses at 1550 nm. Optics Express, 2010, 18, 6978.	3.4	9
168	Terahertz radar cross section measurements. Optics Express, 2010, 18, 26399.	3.4	83
169	Broadband terahertz fiber directional coupler. Optics Letters, 2010, 35, 2879.	3.3	41
170	Terahertz Imaging Systems With Aperture Synthesis Techniques. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 2027-2039.	4.6	95
171	Terahertz radar cross section measurements. , 2010, , .		4
172	Efficient coupling of THz radiation to microdisk resonators. , 2010, , .		0
173	Dynamic optically induced planar terahertz quasioptics. Applied Physics Letters, 2009, 94, 241118.	3.3	11
174	Ultrafast release and capture of carriers in InGaAs/GaAs quantum dots observed by time-resolved terahertz spectroscopy. Applied Physics Letters, 2009, 94, .	3.3	46
175	Observation of trapping and release of carriers in InGaAs/GaAs quantum dots by ultrafast THz spectroscopy. , 2009, , .		0
176	Timeâ€”resolved THz spectroscopy in a parallel plate waveguide. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 997-1000.	1.8	8
177	Terahertz reflection spectroscopy of Debye relaxation in polar liquids [Invited]. Journal of the Optical Society of America B: Optical Physics, 2009, 26, A113.	2.1	133
178	Bendable, low-loss Topas fibers for the terahertz frequency range. Optics Express, 2009, 17, 8592.	3.4	397
179	Simultaneous reference and differential waveform acquisition in time-resolved terahertz spectroscopy. Optics Express, 2009, 17, 21969.	3.4	36
180	Terahertz Time Domain Spectroscopy for Structure-II Gas Hydrates. Applied Physics Express, 2009, 2, 122303.	2.4	17

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181	Scattering of Terahertz Radiation from Oriented Carbon Nanotube Films. , 2009, , .		0
182	Low-Loss and Bendable THz Fiber with Tailored Dispersion. , 2009, , .		0
183	Characterization of aqueous alcohol solutions in bottles with THz reflection spectroscopy. Optics Express, 2008, 16, 9318.	3.4	90
184	Optical modulation of terahertz pulses in a parallel plate waveguide. Optics Express, 2008, 16, 15123.	3.4	64
185	Femtosecond all-polarization-maintaining fiber laser operating at 1028 nm. Proceedings of SPIE, 2007, , .	0.8	1
186	Investigation of aqueous alcohol and sugar solutions with reflection terahertz time-domain spectroscopy. Optics Express, 2007, 15, 14717.	3.4	219
187	Chemical Recognition With Broadband THz Spectroscopy. Proceedings of the IEEE, 2007, 95, 1592-1604.	21.3	123
188	Precise ab-initio prediction of terahertz vibrational modes in crystalline systems. Chemical Physics Letters, 2007, 442, 275-280.	2.6	157
189	Terahertz Time-Domain Spectroscopy of Crystalline and Aqueous Systems. , 2007, , 147-165.		2
190	Metal-insulator phase transition in aVO ₂ thin film observed with terahertz spectroscopy. Physical Review B, 2006, 74, .	3.2	298
191	Role of dynamical screening in excitation kinetics of biased quantum wells: Nonlinear absorption and ultrabroadband terahertz emission. Journal of Applied Physics, 2006, 99, 013510.	2.5	33
192	Microarray Biochips - Thousands of Reactions on a Small Chip (MOBA). , 2006, , 405-476.		0
193	Metal-Insulator Phase Transition in VO ₂ : A Look from the Far Infrared Side. Materials Research Society Symposia Proceedings, 2006, 935, 1.	0.1	0
194	T-ray spectroscopy of biomolecules: from chemical recognition toward biochip analysis – horizons and hurdles. , 2005, , .		2
195	Terahertz-Time-Domain-Spektroskopie mit einem leistungsoptimierten elektrooptischen Detektionsverfahren (Low-Power Terahertz Time-Domain Spectroscopy with Optimized Electro-optical) Tj ETQq1 1 0.7843143rgBT /Over		
196	Chemical recognition in terahertz time-domain spectroscopy and imaging. Semiconductor Science and Technology, 2005, 20, S246-S253.	2.0	245
197	Terahertz time-domain spectroscopy and imaging of artificial RNA. Optics Express, 2005, 13, 5205.	3.4	189
198	Dynamic range in terahertz time-domain transmission and reflection spectroscopy. Optics Letters, 2005, 30, 29.	3.3	321

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199	Ultrafast polarization dynamics in optically excited biased quantum wells. , 2004, 5354, 151.		0
200	Noncovalent intermolecular forces in polycrystalline and amorphous saccharides in the far infrared. Chemical Physics, 2003, 288, 261-268.	1.9	329
201	Ultrafast polarization dynamics in biased quantum wells under strong femtosecond optical excitation. Physical Review B, 2003, 68, .	3.2	56
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