

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	Terahertz spectroscopy and imaging – Modern techniques and applications. <i>Laser and Photonics Reviews</i> , 2011, 5, 124-166.	8.7	1,525
2	Generation and detection of terahertz pulses from biased semiconductor antennas. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1996, 13, 2424.	2.1	539
3	Far-infrared vibrational modes of DNA components studied by terahertz time-domain spectroscopy. <i>Physics in Medicine and Biology</i> , 2002, 47, 3807-3814.	3.0	511
4	Bendable, low-loss Topas fibers for the terahertz frequency range. <i>Optics Express</i> , 2009, 17, 8592.	3.4	397
5	Production and processing of graphene and related materials. <i>2D Materials</i> , 2020, 7, 022001.	4.4	333
6	Noncovalent intermolecular forces in polycrystalline and amorphous saccharides in the far infrared. <i>Chemical Physics</i> , 2003, 288, 261-268.	1.9	329
7	Dynamic range in terahertz time-domain transmission and reflection spectroscopy. <i>Optics Letters</i> , 2005, 30, 29.	3.3	321
8	THz reflection spectroscopy of liquid water. <i>Chemical Physics Letters</i> , 1995, 240, 330-333.	2.6	309
9	Flexible metamaterial absorbers for stealth applications at terahertz frequencies. <i>Optics Express</i> , 2012, 20, 635.	3.4	308
10	Far-infrared vibrational spectra of all-trans, 9-cis and 13-cis retinal measured by THz time-domain spectroscopy. <i>Chemical Physics Letters</i> , 2000, 332, 389-395.	2.6	303
11	Metal-insulator phase transition in aVO ₂ thin film observed with terahertz spectroscopy. <i>Physical Review B</i> , 2006, 74, .	3.2	298
12	Collective vibrational modes in biological molecules investigated by terahertz time-domain spectroscopy. <i>Biopolymers</i> , 2002, 67, 310-313.	2.4	287
13	Chemical recognition in terahertz time-domain spectroscopy and imaging. <i>Semiconductor Science and Technology</i> , 2005, 20, S246-S253.	2.0	245
14	Investigation of aqueous alcohol and sugar solutions with reflection terahertz time-domain spectroscopy. <i>Optics Express</i> , 2007, 15, 14717.	3.4	219
15	Terahertz time-domain spectroscopy and imaging of artificial RNA. <i>Optics Express</i> , 2005, 13, 5205.	3.4	189
16	Electro-optic detection of THz radiation in LiTaO ₃ , LiNbO ₃ and ZnTe. <i>Applied Physics Letters</i> , 1997, 70, 3069-3071.	3.3	164
17	Precise ab-initio prediction of terahertz vibrational modes in crystalline systems. <i>Chemical Physics Letters</i> , 2007, 442, 275-280.	2.6	157
18	Graphene Conductance Uniformity Mapping. <i>Nano Letters</i> , 2012, 12, 5074-5081.	9.1	152

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19	Fundamental and second-order phonon processes in CdTe and ZnTe. <i>Physical Review B</i> , 2001, 64, .	3.2	138
20	Terahertz reflection spectroscopy of Debye relaxation in polar liquids [Invited]. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009, 26, A113.	2.1	133
21	Fabrication and characterization of porous-core honeycomb bandgap THz fibers. <i>Optics Express</i> , 2012, 20, 29507.	3.4	133
22	Radiation patterns from lens-coupled terahertz antennas. <i>Optics Letters</i> , 1995, 20, 807.	3.3	129
23	Chemical Recognition With Broadband THz Spectroscopy. <i>Proceedings of the IEEE</i> , 2007, 95, 1592-1604.	21.3	123
24	Detection of THz pulses by phase retardation in lithium tantalate. <i>Physical Review E</i> , 1996, 53, R3052-R3054.	2.1	121
25	Mapping the electrical properties of large-area graphene. <i>2D Materials</i> , 2017, 4, 042003.	4.4	113
26	Experimental observation of plasmons in a graphene monolayer resting on a two-dimensional subwavelength silicon grating. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	109
27	Terahertz Plasmonic Structure With Enhanced Sensing Capabilities. <i>IEEE Sensors Journal</i> , 2016, 16, 2484-2488.	4.7	106
28	Photoexcited GaAs surfaces studied by transient terahertz time-domain spectroscopy. <i>Optics Letters</i> , 2000, 25, 13.	3.3	100
29	Ultrafast carrier trapping in microcrystalline silicon observed in optical pump-terahertz probe measurements. <i>Applied Physics Letters</i> , 2001, 79, 1291-1293.	3.3	99
30	Terahertz Imaging Systems With Aperture Synthesis Techniques. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010, 58, 2027-2039.	4.6	95
31	Characterization of aqueous alcohol solutions in bottles with THz reflection spectroscopy. <i>Optics Express</i> , 2008, 16, 9318.	3.4	90
32	Graphene mobility mapping. <i>Scientific Reports</i> , 2015, 5, 12305.	3.3	89
33	Porous-core honeycomb bandgap THz fiber. <i>Optics Letters</i> , 2011, 36, 666.	3.3	87
34	Terahertz radar cross section measurements. <i>Optics Express</i> , 2010, 18, 26399.	3.4	83
35	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
36	Ultrafast local field dynamics in photoconductive THz antennas. <i>Applied Physics Letters</i> , 1993, 62, 1265-1267.	3.3	80

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37	Direct Observation of Sub-100Åfs Mobile Charge Generation in a Polymer-Fullerene Film. Physical Review Letters, 2012, 108, 056603.	7.8	79
38	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
39	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
40	Terahertz pulse propagation in the near field and the far field. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2000, 17, 74.	1.5	69
41	Ultrabroadband terahertz spectroscopy of a liquid crystal. Optics Express, 2012, 20, 28249.	3.4	69
42	Reflection terahertz time-domain imaging for analysis of an 18th century neoclassical easel painting. Applied Optics, 2015, 54, 5123.	2.1	66
43	Optical modulation of terahertz pulses in a parallel plate waveguide. Optics Express, 2008, 16, 15123.	3.4	64
44	Nitrogen plasma formation through terahertz-induced ultrafast electron field emission. Optica, 2015, 2, 116.	9.3	64
45	Modeling terahertz heating effects on water. Optics Express, 2010, 18, 4727.	3.4	60
46	Femtosecond Photolysis of ClO ₂ in Aqueous Solution. Journal of Physical Chemistry A, 1997, 101, 3317-3323.	2.5	57
47	Ultrafast polarization dynamics in biased quantum wells under strong femtosecond optical excitation. Physical Review B, 2003, 68, .	3.2	56
48	Phase Retrieval in Terahertz Time-Domain Measurements: a "how to" Tutorial. Journal of Infrared, Millimeter, and Terahertz Waves, 2019, 40, 395-411.	2.2	55
49	120 Gb/s Multi-Channel THz Wireless Transmission and THz Receiver Performance Analysis. IEEE Photonics Technology Letters, 2017, 29, 310-313.	2.5	53
50	A new method for obtaining transparent electrodes. Optics Express, 2012, 20, 22770.	3.4	52
51	Ultrabroadband terahertz spectroscopy of chalcogenide glasses. Applied Physics Letters, 2012, 100, .	3.3	52
52	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
53	Terahertz wafer-scale mobility mapping of graphene on insulating substrates without a gate. Optics Express, 2015, 23, 30721.	3.4	50
54	Impact ionization in high resistivity silicon induced by an intense terahertz field enhanced by an antenna array. New Journal of Physics, 2015, 17, 043002.	2.9	49

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55	400-GHz Wireless Transmission of 60-Gb/s Nyquist-QPSK Signals Using UTC-PD and Heterodyne Mixer. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 765-770.	3.1	49
56	Terahertz field enhancement to the MV/cm regime in a tapered parallel plate waveguide. Optics Express, 2012, 20, 8344.	3.4	48
57	Terahertz-induced Kerr effect in amorphous chalcogenide glasses. Applied Physics Letters, 2013, 103, .	3.3	48
58	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
59	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
60	Broadband terahertz fiber directional coupler. Optics Letters, 2010, 35, 2879.	3.3	41
61	Non-destructive electrochemical graphene transfer from reusable thin-film catalysts. Carbon, 2015, 85, 397-405.	10.3	41
62	Above-band gap two-photon absorption and its influence on ultrafast carrier dynamics in ZnTe and CdTe. Applied Physics Letters, 2002, 80, 4771-4773.	3.3	39
63	Optical waveguide mode control by nanoslit-enhanced terahertz field. Optics Letters, 2012, 37, 3903.	3.3	39
64	Ultrabroadband terahertz conductivity of highly doped ZnO and ITO. Optical Materials Express, 2015, 5, 566.	3.0	39
65	Terahertz spectroscopy from air plasmas created by two-color femtosecond laser pulses: The ALTESSE project. Europhysics Letters, 2019, 126, 24001.	2.0	39
66	Non-resonant terahertz field enhancement in periodically arranged nanoslits. Journal of Applied Physics, 2012, 112, .	2.5	38
67	Wavelength scaling of terahertz pulse energies delivered by two-color air plasmas. Optics Letters, 2019, 44, 1488.	3.3	38
68	Ultrabroadband terahertz conductivity of Si nanocrystal films. Applied Physics Letters, 2012, 101, .	3.3	37
69	Simultaneous reference and differential waveform acquisition in time-resolved terahertz spectroscopy. Optics Express, 2009, 17, 21969.	3.4	36
70	Quality assessment of terahertz time-domain spectroscopy transmission and reflection modes for graphene conductivity mapping. Optics Express, 2018, 26, 9220.	3.4	36
71	Impact ionization dynamics in silicon by MV/cm THz fields. New Journal of Physics, 2017, 19, 123018.	2.9	35
72	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

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73	Robust mapping of electrical properties of graphene from terahertz time-domain spectroscopy with timing jitter correction. <i>Optics Express</i> , 2017, 25, 2725.	3.4	32
74	Design and optimization of mechanically down-doped terahertz fiber directional couplers. <i>Optics Express</i> , 2014, 22, 9486.	3.4	31
75	Interpretation of photocurrent correlation measurements used for ultrafast photoconductive switch characterization. <i>Journal of Applied Physics</i> , 1996, 79, 2649-2657.	2.5	29
76	Conductivity mapping of graphene on polymeric films by terahertz time-domain spectroscopy. <i>Optics Express</i> , 2018, 26, 17748.	3.4	29
77	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
78	High-power few-cycle THz generation at MHz repetition rates in an organic crystal. <i>APL Photonics</i> , 2020, 5, .	5.7	28
79	Noise and spectral stability of deep-UV gas-filled fiber-based supercontinuum sources driven by ultrafast mid-IR pulses. <i>Scientific Reports</i> , 2020, 10, 4912.	3.3	28
80	Optically active Babinet planar metamaterial film for terahertz polarization manipulation. <i>Laser and Photonics Reviews</i> , 2013, 7, 810-817.	8.7	27
81	Finite-difference time-domain analysis of time-resolved terahertz spectroscopy experiments. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011, 28, 1308.	2.1	26
82	60 Gbit/s 400 GHz wireless transmission. , 2015, , .		26
83	Linearity of Air-Biased Coherent Detection for Terahertz Time-Domain Spectroscopy. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2016, 37, 592-604.	2.2	25
84	Metamaterial composite bandpass filter with an ultra-broadband rejection bandwidth of up to 240 terahertz. <i>Applied Physics Letters</i> , 2014, 104, 191103.	3.3	24
85	Permanently reconfigured metamaterials due to terahertz induced mass transfer of gold. <i>Optics Express</i> , 2015, 23, 11586.	3.4	23
86	Fermi velocity renormalization in graphene probed by terahertz time-domain spectroscopy. <i>2D Materials</i> , 2020, 7, 035009.	4.4	23
87	Freeze-out of difference-phonon modes in ZnTe and its application in detection of THz pulses. <i>Applied Physics Letters</i> , 2000, 77, 2801-2803.	3.3	21
88	Ultrafast THz-driven electron emission from metal metasurfaces. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	21
89	Mono-crystalline gold platelets: a high-quality platform for surface plasmon polaritons. <i>Nanophotonics</i> , 2020, 9, 509-522.	6.0	21
90	THz Wireless Transmission Systems Based on Photonic Generation of Highly Pure Beat-Notes. <i>IEEE Photonics Journal</i> , 2016, 8, 1-8.	2.0	20

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91	Electrical Homogeneity Mapping of Epitaxial Graphene on Silicon Carbide. ACS Applied Materials & Interfaces, 2018, 10, 31641-31647.	8.0	20
92	Resonant Laser Printing of Optical Metasurfaces. Nano Letters, 2022, 22, 2786-2792.	9.1	20
93	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
94	Inspection of panel paintings beneath gilded finishes using terahertz time-domain imaging. Studies in Conservation, 2015, 60, S159-S166.	1.1	19
95	Reference-free THz-TDS conductivity analysis of thin conducting films. Optics Express, 2020, 28, 28819.	3.4	19
96	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
97	Attenuation of THz Beams: A "How to" Tutorial. Journal of Infrared, Millimeter, and Terahertz Waves, 2019, 40, 878-904.	2.2	18
98	Near-infrared nanospectroscopy using a low-noise supercontinuum source. APL Photonics, 2021, 6, .	5.7	18
99	Terahertz Time Domain Spectroscopy for Structure-II Gas Hydrates. Applied Physics Express, 2009, 2, 122303.	2.4	17
100	Sputtering an exterior metal coating on copper enclosure for large-scale growth of single-crystalline graphene. 2D Materials, 2017, 4, 045017.	4.4	17
101	Quantifying crystalline β -lactose monohydrate in amorphous lactose using terahertz time domain spectroscopy and near infrared spectroscopy. Vibrational Spectroscopy, 2019, 102, 39-46.	2.2	17
102	MHz-repetition-rate, sub-mW, multi-octave THz wave generation in HMQ-TMS. Optics Express, 2020, 28, 9631.	3.4	16
103	Terahertz emission from laser-driven gas plasmas: a plasmonic point of view. Optica, 2018, 5, 1617.	9.3	15
104	Non-invasive terahertz field imaging inside parallel plate waveguides. Applied Physics Letters, 2011, 99, .	3.3	14
105	Amplification of resonant field enhancement by plasmonic lattice coupling in metallic slit arrays. Scientific Reports, 2016, 6, 37738.	3.3	13
106	Contactless graphene conductance measurements: the effect of device fabrication on terahertz time-domain spectroscopy. International Journal of Nanotechnology, 2016, 13, 591.	0.2	13
107	The prospects of ultra-broadband THz wireless communications. , 2014, , .		12
108	Dynamic optically induced planar terahertz quasioptics. Applied Physics Letters, 2009, 94, 241118.	3.3	11

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109	Characterization of European lacquers by terahertz (THz) reflectometric imaging. , 2013, , .		10
110	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
111	Optical fiber link for transmission of 1-nj femtosecond laser pulses at 1550 nm. Optics Express, 2010, 18, 6978.	3.4	9
112	On Ultrafast Photoconductivity Dynamics and Crystallinity of Black Silicon. IEEE Transactions on Terahertz Science and Technology, 2013, 3, 331-341.	3.1	9
113	Exploring THz band for high speed wireless communications. , 2016, , .		9
114	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
115	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
116	Timeâ€”resolved THz spectroscopy in a parallel plate waveguide. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 997-1000.	1.8	8
117	In situ spectroscopic characterization of a terahertz resonant cavity. Optica, 2014, 1, 272.	9.3	8
118	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
119	Non-contact mobility measurements of graphene on silicon carbide. Microelectronic Engineering, 2019, 212, 9-12.	2.4	8
120	Terahertz Reflection Spectroscopy of Aqueous NaCl and LiCl Solutions. Journal of Infrared, Millimeter, and Terahertz Waves, 2010, 31, 430.	2.2	7
121	Picosecond dynamics of internal exciton transitions in CdSe nanorods. Physical Review B, 2013, 88, .	3.2	7
122	Fra Angelicoâ€™s painting technique revealed by terahertz time-domain imaging (THz-TDI). Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	7
123	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
124	Wafer-scale graphene quality assessment using micro four-point probe mapping. Nanotechnology, 2020, 31, 225709.	2.6	7
125	Photoconductive sampling of subpicosecond pulses using mutual inductive coupling in coplanar transmission lines. Journal of Applied Physics, 1996, 80, 4214-4216.	2.5	6
126	Metamaterial-based design for a half-wavelength plate in the terahertz range. Applied Physics A: Materials Science and Processing, 2015, 119, 467-473.	2.3	6

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127	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
128	Terahertz Spectroscopy of Crystalline and Non-Crystalline Solids. Springer Series in Optical Sciences, 2012, , 191-227.	0.7	5
129	Terahertz radar cross section measurements. , 2010, , .		4
130	Mid-infrared, long-wave infrared, and terahertz photonics: introduction. Optics Express, 2020, 28, 14169.	3.4	4
131	Terahertz-Time-Domain-Spektroskopie mit einem leistungsoptimierten elektrooptischen Detektionsverfahren (Low-Power Terahertz Time-Domain Spectroscopy with Optimized Electro-optical) Tj ETQq1 1 0.7843143gBT /Over		
132	Terahertz radiation gets shaken up. Nature Nanotechnology, 2011, 6, 79-80.	31.5	3
133	Multi-THz spectroscopy of mobile charge carriers in P3HT:PCBM on a sub-100 fs time scale. , 2013, , .		3
134	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
135	Introduction to the special issue on terahertz spectroscopy. IEEE Transactions on Terahertz Science and Technology, 2013, 3, 237-238.	3.1	3
136	Experimental analysis of THz receiver performance in 80 Gbit/s communication system. , 2016, , .		3
137	T-ray spectroscopy of biomolecules: from chemical recognition toward biochip analysis – horizons and hurdles. , 2005, , .		2
138	Effect of Copper on the Carrier Lifetime in Black Silicon. Journal of Infrared, Millimeter, and Terahertz Waves, 2011, 32, 883-886.	2.2	2
139	Optimization design of optical waveguide control by nanoslit-enhanced THz field. Photonics and Nanostructures - Fundamentals and Applications, 2013, 11, 310-322.	2.0	2
140	3D terahertz beam profiling. Proceedings of SPIE, 2013, , .	0.8	2
141	THz reflectometric imaging of contemporary panel artwork. , 2013, , .		2
142	High-efficiency Sub-single-cycle THz Wave Generation by Three-color Air Plasma. , 2018, , .		2
143	A photomultiplier tube with sensitivity in the entire terahertz- and infrared frequency range. , 2019, , .		2
144	Terahertz Time-Domain Spectroscopy of Crystalline and Aqueous Systems. , 2007, , 147-165.		2

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145	A terahertz and infrared sensitive photomultiplier tube with a fieldmixing photocathode. , 2020, , .		2
146	Subpicosecond time-resolved terahertz time-domain spectroscopy of transient carrier dynamics in semiconductors. , 1999, , .		1
147	Femtosecond all-polarization-maintaining fiber laser operating at 1028 nm. Proceedings of SPIE, 2007, , .	0.8	1
148	Time-resolved terahertz spectroscopy of conjugated polymer/CdSe nanorod composites. Proceedings of SPIE, 2010, , .	0.8	1
149	A mul ti-element THz imaging system. , 2010, , .		1
150	Two-dimensional fractal metamaterials for applications in THz. , 2011, , .		1
151	Quantitative mapping of large area graphene conductance. , 2012, , .		1
152	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
153	Spatial properties of a terahertz beam generated from a two-color air plasma. Proceedings of SPIE, 2013, , .	0.8	1
154	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
155	Microring Diode Laser for THz Generation. IEEE Transactions on Terahertz Science and Technology, 2013, 3, 472-478.	3.1	1
156	Spectrally resolved measurements of the terahertz beam profile generated from a two-color air plasma. , 2014, , .		1
157	Resonant field enhancement in periodically arranged microslits for non-linear terahertz spectroscopy. , 2014, , .		1
158	Towards ultrahigh speed impulse radio THz wireless communications. , 2015, , .		1
159	Time-domain electric field enhancement on micrometer scale in coupled split ring resonator upon terahertz radiation. , 2016, , .		1
160	Ultrabroadband THz time-domain spectroscopy of biomolecular crystals. , 2016, , .		1
161	Space-Time mapping of terahertz-induced electron field emission. , 2017, , .		1
162	Direct Injection of Ultrashort Electron Bunches Into a Solid Material Using Terahertz-Driven Electron Field Emission. , 2018, , .		1

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163	Ultrafast polarization dynamics in optically excited biased quantum wells. , 2004, 5354, 151.		0
164	Microarray Biochips - Thousands of Reactions on a Small Chip (MOBA). , 2006, , 405-476.		0
165	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
166	Observation of trapping and release of carriers in InGaAs/GaAs quantum dots by ultrafast THz spectroscopy. , 2009, , .		0
167	Broadband polymer microstructured THz fiber coupler with down-doped cores. , 2010, , .		0
168	Nonlinear generation and detection of THz pulses in ZnTe with chirped femtosecond laser pulses. , 2010, , .		0
169	Transmission and Reflection Properties of Terahertz Fractal Metamaterials. , 2010, , .		0
170	Efficient coupling of THz radiation to microdisk resonators. , 2010, , .		0
171	Mode profiling of THz fibers with dynamic aperture near-field imaging. , 2011, , .		0
172	Non-invasive method of field imaging in parallel plate waveguides. , 2011, , .		0
173	Towards a Terahertz Room-Temperature Integrated Source. Procedia Computer Science, 2011, 7, 205-206.	2.0	0
174	Publisher's Note: Direct Observation of Sub-100Ås Mobile Charge Generation in a Polymer-Fullerene Film [Phys. Rev. Lett. 108, 056603 (2012)]. Physical Review Letters, 2012, 108, .	7.8	0
175	Spectral Compression of Intense Femtosecond Pulses by Self Phase Modulation in Silica Glass. , 2012, , .		0
176	A new mechanism to design transparent electrodes: THz realizations. , 2012, , .		0
177	Propagation and excitation of graphene plasmon polaritons. , 2013, , .		0
178	Excitation of plasmon modes in a graphene monolayer supported on a 2D subwavelength silicon grating. , 2013, , .		0
179	Evolution of the THz Beam Profile from a Two-Color Air Plasma Through a Beam Waist. , 2013, , .		0
180	Terahertz-field-induced photoluminescence of nanostructured gold films. , 2013, , .		0

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181	THz reflectometric imaging of medieval wall paintings. , 2013, , .		0
182	Modeling of ultrafast THz interactions in molecular crystals. Proceedings of SPIE, 2014, , .	0.8	0
183	Terahertz field induced electromigration. , 2014, , .		0
184	Ultraviolet light emission from resonant gold dipole antennas in air illuminated with intense sub-picosecond terahertz transients. , 2014, , .		0
185	Metal membrane with dimer slots as a universal polarizer. Proceedings of SPIE, 2014, , .	0.8	0
186	Metamaterial Composite with an Ultra-Broadband Usable Range of over 25 Terahertz. , 2014, , .		0
187	THz Tube Waveguides With Low Loss, Low Dispersion, and High Bandwidth. , 2014, , .		0
188	Time resolved broadband terahertz relaxation dynamics of electron in water. , 2014, , .		0
189	Ultrafast electron field emission from gold resonant antennas studied by two terahertz pulse experiments. , 2015, , .		0
190	Wafer-scale characterization of carrier dynamics in graphene. , 2015, , .		0
191	High quality beams of MV/cm THz pulses generated from DSTMS. , 2015, , .		0
192	Ultrabroadband terahertz characterization of highly doped ZnO and ITO. , 2015, , .		0
193	Experimental characterization of extremely broadband THz impulse radio communication systems. , 2015, , .		0
194	THz induced nonlinear absorption in ZnTe. , 2015, , .		0
195	Quantum-based integrated non-linear sources. IET Optoelectronics, 2015, 9, 82-87.	3.3	0
196	Timing jitter correction for THz-TDS measurements of graphene. , 2016, , .		0
197	Broadband terahertz spectroscopy of chalcogenide glass As₃₀Se₃₀Te₄₀. , 2016, , .		0
198	THz-induced ultrafast modulation of NIR refractive index of silicon. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
199	Robustness of various metals against high THz field induced damage. , 2016, , .		0
200	High impact ionization rate in silicon by sub-picosecond THz electric field pulses (Conference) Tj ETQq0 0 0 rgBT /Overlock 1Q Tf 50 702		0
201	Electron dynamics in metals and semiconductors in strong THz fields. , 2017, , .		0
202	Bridging the gap between the THz and IR frequency regime. , 2017, , .		0
203	Ultra-broadband THz time-domain spectroscopy of energetic materials. , 2017, , .		0
204	Fundamentals for a terahertz-driven electron gun. , 2017, , .		0
205	Ultra-broadband THz photonic wireless transmission. , 2018, , .		0
206	Four-probe sensing of temperature during Joule heating of silicon. Review of Scientific Instruments, 2021, 92, 014903.	1.3	0
207	Multi-mW-level, air-plasma induced ultra-broadband THz pulses for nonlinear THz spectroscopy. , 2021, , .		0
208	Sensitivity characterization of a photomultiplier tube for terahertz radiation. , 2021, , .		0
209	Scattering of Terahertz Radiation from Oriented Carbon Nanotube Films. , 2009, , .		0
210	Low-Loss and Bendable THz Fiber with Tailored Dispersion. , 2009, , .		0
211	Ultrabroadband THz spectroscopic investigation of As ₂ S ₃ . , 2012, , .		0
212	Probing Inside THz Parallel-Plate Waveguides with Resonant Cavities. , 2014, , .		0
213	Numerical Investigation of Ultrafast interaction between THz Fields and Crystalline Materials. , 2014, , .		0
214	Design and Optimization of Air-Doped 3-dB Terahertz Fiber Directional Couplers. , 2014, , .		0
215	Experimental comparison of models for ultrafast impact ionization is silicon. , 2016, , .		0
216	Ultrafast Nonlinear Response of Silicon Carbide to Intense THz Fields. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
217	Enhancing the Efficacy of Collinear Optical Rectification for Broadband THz Radiation at MHz Repetition Rates. , 2020, , .		0
218	Milliwatt-level multi-MHz THz wave generation in the organic crystal HMQTMMS with a compressed fiber laser. , 2020, , .		0
219	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
220	Terahertz Time-Domain Spectroscopy. Springer Series in Optical Sciences, 2022, , 15-22.	0.7	0