

# Daniel M Mittleman

## List of Publications by Year in descending order

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365  
papers

17,207  
citations

22153

59  
h-index

14759

127  
g-index

369  
all docs

369  
docs citations

369  
times ranked

10024  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal wires for terahertz wave guiding. <i>Nature</i> , 2004, 432, 376-379.	27.8	990
2	Imaging with terahertz radiation. <i>Reports on Progress in Physics</i> , 2007, 70, 1325-1379.	20.1	867
3	Recent advances in terahertz imaging. <i>Applied Physics B: Lasers and Optics</i> , 1999, 68, 1085-1094.	2.2	732
4	T-ray imaging. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 1996, 2, 679-692.	2.9	721
5	Material parameter estimation with terahertz time-domain spectroscopy. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2001, 18, 1562.	1.5	612
6	A single-pixel terahertz imaging system based on compressed sensing. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	606
7	Twenty years of terahertz imaging [Invited]. <i>Optics Express</i> , 2018, 26, 9417.	3.4	537
8	T-ray tomography. <i>Optics Letters</i> , 1997, 22, 904.	3.3	516
9	Terahertz integrated electronic and hybrid electronic-photonic systems. <i>Nature Electronics</i> , 2018, 1, 622-635.	26.0	444
10	Short-Range Ultra-Broadband Terahertz Communications: Concepts and Perspectives. <i>IEEE Antennas and Propagation Magazine</i> , 2007, 49, 24-39.	1.4	440
11	Template-Directed Preparation of Macroporous Polymers with Oriented and Crystalline Arrays of Voids. <i>Journal of the American Chemical Society</i> , 1999, 121, 11630-11637.	13.7	371
12	Gas sensing using terahertz time-domain spectroscopy. <i>Applied Physics B: Lasers and Optics</i> , 1998, 67, 379-390.	2.2	336
13	Thickness Dependence of the Optical Properties of Ordered Silica-Air and Air-Polymer Photonic Crystals. <i>Physical Review Letters</i> , 1999, 83, 300-303.	7.8	313
14	Quantum size dependence of femtosecond electronic dephasing and vibrational dynamics in CdSe nanocrystals. <i>Physical Review B</i> , 1994, 49, 14435-14447.	3.2	288
15	Security and eavesdropping in terahertz wireless links. <i>Nature</i> , 2018, 563, 89-93.	27.8	279
16	A spatial light modulator for terahertz beams. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	271
17	Perspective: Terahertz science and technology. <i>Journal of Applied Physics</i> , 2017, 122, .	2.5	267
18	Scattering Analysis for the Modeling of THz Communication Systems. <i>IEEE Transactions on Antennas and Propagation</i> , 2007, 55, 3002-3009.	5.1	263

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19	Terahertz imaging with compressed sensing and phase retrieval. <i>Optics Letters</i> , 2008, 33, 974.	3.3	257
20	The Fabrication and Bandgap Engineering of Photonic Multilayers. <i>Advanced Materials</i> , 2001, 13, 389-393.	21.0	239
21	High-Contrast Terahertz Wave Modulation by Gated Graphene Enhanced by Extraordinary Transmission through Ring Apertures. <i>Nano Letters</i> , 2014, 14, 1242-1248.	9.1	214
22	Properties of Building and Plastic Materials in the THz Range. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2007, 28, 363-371.	0.6	198
23	Chemical recognition of gases and gas mixtures with terahertz waves. <i>Optics Letters</i> , 1996, 21, 2011.	3.3	194
24	Frontiers in terahertz sources and plasmonics. <i>Nature Photonics</i> , 2013, 7, 666-669.	31.4	190
25	Investigation of femtosecond electronic dephasing in CdSe nanocrystals using quantum-beat-suppressed photon echoes. <i>Physical Review Letters</i> , 1993, 70, 1014-1017.	7.8	186
26	Effect of disorder on the optical properties of colloidal crystals. <i>Physical Review E</i> , 2005, 71, 016615.	2.1	173
27	Noncontact semiconductor wafer characterization with the terahertz Hall effect. <i>Applied Physics Letters</i> , 1997, 71, 16-18.	3.3	170
28	Frequency-division multiplexing in the terahertz range using a leaky-wave antenna. <i>Nature Photonics</i> , 2015, 9, 717-720.	31.4	165
29	Comparison of the lowest-order transverse-electric (TE <sub>1</sub> ) and transverse-magnetic (TEM) modes of the parallel-plate waveguide for terahertz pulse applications. <i>Optics Express</i> , 2009, 17, 14839.	3.4	155
30	Omnidirectional terahertz mirrors: A key element for future terahertz communication systems. <i>Applied Physics Letters</i> , 2006, 88, 202905.	3.3	145
31	An investigation of the lowest-order transverse-electric (TE <sub>1</sub> ) mode of the parallel-plate waveguide for THz pulse propagation. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009, 26, A6.	2.1	140
32	Influence of substrate-lens design in terahertz time-domain spectroscopy. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2002, 19, 319.	2.1	139
33	Terahertz microfluidic sensor based on a parallel-plate waveguide resonant cavity. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	134
34	Enhanced coupling of terahertz radiation to cylindrical wire waveguides. <i>Optics Express</i> , 2006, 14, 279.	3.4	129
35	Optical properties of planar colloidal crystals: Dynamical diffraction and the scalar wave approximation. <i>Journal of Chemical Physics</i> , 1999, 111, 345-354.	3.0	125
36	Linewidth and tuning characteristics of terahertz quantum cascade lasers. <i>Optics Letters</i> , 2004, 29, 575.	3.3	125

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37	Antenna effects in terahertz apertureless near-field optical microscopy. Applied Physics Letters, 2004, 85, 2715-2717.	3.3	123
38	Superfocusing terahertz waves below $\lambda/250$ using plasmonic parallel-plate waveguides. Optics Express, 2010, 18, 9643.	3.4	119
39	Enhanced depth resolution in terahertz imaging using phase-shift interferometry. Applied Physics Letters, 2001, 78, 835-837.	3.3	111
40	Dispersion of Surface Plasmon Polaritons on Metal Wires in the Terahertz Frequency Range. Physical Review Letters, 2006, 96, 157401.	7.8	111
41	Invited Article: Channel performance for indoor and outdoor terahertz wireless links. APL Photonics, 2018, 3, .	5.7	109
42	Determination of additive content in polymeric compounds with terahertz time-domain spectroscopy. Polymer Testing, 2007, 26, 614-618.	4.8	108
43	Terahertz characterisation of building materials. Electronics Letters, 2005, 41, 1002.	1.0	107
44	Terahertz spectroscopy of water in inverse micelles. Chemical Physics Letters, 1997, 275, 332-338.	2.6	100
45	The Impact of Reflections From Stratified Building Materials on the Wave Propagation in Future Indoor Terahertz Communication Systems. IEEE Transactions on Antennas and Propagation, 2008, 56, 1413-1419.	5.1	97
46	Frequency-division multiplexer and demultiplexer for terahertz wireless links. Nature Communications, 2017, 8, 729.	12.8	95
47	Interference-induced terahertz transparency in a semiconductor magneto-plasma. Nature Physics, 2010, 6, 126-130.	16.7	94
48	Guided propagation of terahertz pulses on metal wires. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 2001.	2.1	93
49	Optical properties of a photonic crystal of hollow spherical shells. Applied Physics Letters, 2000, 77, 3517-3519.	3.3	88
50	A terahertz two-wire waveguide with low bending loss. Applied Physics Letters, 2009, 95, .	3.3	87
51	Nanoscale Laser Terahertz Emission Microscopy. ACS Photonics, 2017, 4, 2676-2680.	6.6	84
52	An electrically driven terahertz metamaterial diffractive modulator with more than 20 dB of dynamic range. Applied Physics Letters, 2014, 104, .	3.3	83
53	Single-shot link discovery for terahertz wireless networks. Nature Communications, 2020, 11, 2017.	12.8	83
54	A tunable universal terahertz filter using artificial dielectrics based on parallel-plate waveguides. Applied Physics Letters, 2010, 97, 131106.	3.3	80

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55	Colloidal photonic superlattices. <i>Physical Review B</i> , 2001, 64, .	3.2	76
56	Generation of spatiotemporally tailored terahertz wavepackets by nonlinear metasurfaces. <i>Nature Communications</i> , 2019, 10, 1778.	12.8	76
57	Terahertz Vibrational Modes of Inverse Micelles. <i>Journal of Physical Chemistry B</i> , 2002, 106, 6346-6353.	2.6	68
58	Propagation effects in apertureless near-field optical antennas. <i>Applied Physics Letters</i> , 2004, 84, 305-307.	3.3	62
59	Temperature-Dependent Terahertz Spectroscopy of Liquid n-alkanes. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2010, 31, 1015-1021.	2.2	59
60	Mechanically flexible polymeric compound one-dimensional photonic crystals for terahertz frequencies. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	59
61	Superprism phenomenon in three-dimensional macroporous polymer photonic crystals. <i>Physical Review B</i> , 2003, 67, .	3.2	57
62	Direct Observation of Terahertz Surface Modes in Nanometer-Sized Liquid Water Pools. <i>Physical Review Letters</i> , 2001, 87, 147401.	7.8	56
63	Recent advances in terahertz imaging: 1999 to 2021. <i>Applied Physics B: Lasers and Optics</i> , 2022, 128, 1.	2.2	56
64	Terahertz multichannel microfluidic sensor based on parallel-plate waveguide resonant cavities. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	55
65	Terahertz time-domain magnetospectroscopy of a high-mobility two-dimensional electron gas. <i>Optics Letters</i> , 2007, 32, 1845.	3.3	54
66	High-precision digital terahertz phase manipulation within a multichannel field perturbation coding chip. <i>Nature Photonics</i> , 2021, 15, 751-757.	31.4	54
67	Propagation of single-cycle terahertz pulses in random media. <i>Optics Letters</i> , 2001, 26, 2002.	3.3	53
68	A 2-D Artificial Dielectric With $\epsilon < \epsilon_0 \leq n < \epsilon_1$ for the Terahertz Region. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010, 58, 1993-1998.	4.6	53
69	Characterization of terahertz field confinement at the end of a tapered metal wire waveguide. <i>Applied Physics Letters</i> , 2009, 95, 031104.	3.3	52
70	Terahertz reflection imaging using Kirchhoff migration. <i>Optics Letters</i> , 2001, 26, 1513.	3.3	51
71	Terahertz transmission properties of an individual slit in a thin metallic plate. <i>Optics Express</i> , 2009, 17, 12660.	3.4	51
72	Nonexponential relaxation in solid C60 via time-dependent singlet exciton annihilation. <i>Chemical Physics Letters</i> , 1995, 235, 552-557.	2.6	48

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73	The metal-insulator transition in VO <sub>2</sub> studied using terahertz apertureless near-field microscopy. Applied Physics Letters, 2007, 91, 162110.	3.3	48
74	Perspective on Terahertz Applications in Bioscience and Biotechnology. ACS Photonics, 2022, 9, 1117-1126.	6.6	48
75	Cross-polarized angular emission patterns from lens-coupled terahertz antennas. Journal of the Optical Society of America B: Optical Physics, 2001, 18, 1524.	2.1	47
76	Finite-Element Method Simulations of Guided Wave Phenomena at Terahertz Frequencies. Proceedings of the IEEE, 2007, 95, 1624-1640.	21.3	47
77	Quadrupole radiation from terahertz dipole antennas. Optics Letters, 2000, 25, 1556.	3.3	46
78	Interferometric imaging with terahertz pulses. IEEE Journal of Selected Topics in Quantum Electronics, 2001, 7, 592-599.	2.9	45
79	Defect modes in photonic crystal slabs studied using terahertz time-domain spectroscopy. Optics Letters, 2004, 29, 2067.	3.3	44
80	A Maxwell's fish eye lens for the terahertz region. Applied Physics Letters, 2013, 103, 031104.	3.3	44
81	Terahertz Wireless Links Using Diffuse Scattering From Rough Surfaces. IEEE Transactions on Terahertz Science and Technology, 2019, 9, 463-470.	3.1	43
82	A Broadband Terahertz Waveguide T-Junction Variable Power Splitter. Scientific Reports, 2016, 6, 28925.	3.3	41
83	Terahertz Artificial Dielectric Lens. Scientific Reports, 2016, 6, 23023.	3.3	41
84	High-contrast terahertz modulator based on extraordinary transmission through a ring aperture. Optics Express, 2011, 19, 26666.	3.4	40
85	Efficient leaky-wave antennas at terahertz frequencies generating highly directional beams. Applied Physics Letters, 2020, 117, .	3.3	39
86	Terahertz Imaging. Springer Series in Optical Sciences, 2003, , 117-153.	0.7	38
87	Probing the Mechanochemistry of Metal-Organic Frameworks with Low-Frequency Vibrational Spectroscopy. Journal of Physical Chemistry C, 2018, 122, 27442-27450.	3.1	37
88	Statistics of Multiply Scattered Broadband Terahertz Pulses. Physical Review Letters, 2003, 91, 043903.	7.8	36
89	The effect of structural disorder on guided resonances in photonic crystal slabs studied with terahertz time-domain spectroscopy. Optics Express, 2007, 15, 16954.	3.4	36
90	Direct measurement of cyclotron coherence times of high-mobility two-dimensional electron gases. Optics Express, 2010, 18, 12354.	3.4	36

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91	The transition from a TEM-like mode to a plasmonic mode in parallel-plate waveguides. Applied Physics Letters, 2011, 98, 231113.	3.3	36
92	Terahertz wide aperture reflection tomography. Optics Letters, 2005, 30, 1653.	3.3	35
93	Low-Dispersive Dielectric Mirrors for Future Wireless Terahertz Communication Systems. IEEE Microwave and Wireless Components Letters, 2008, 18, 67-69.	3.2	35
94	Electrically reconfigurable terahertz signal processing devices using liquid metal components. Nature Communications, 2018, 9, 4202.	12.8	35
95	Uncovering the Connection Between Low-Frequency Dynamics and Phase Transformation Phenomena in Molecular Solids. Physical Review Letters, 2018, 120, 196002.	7.8	35
96	Characterizing Individual Scattering Events by Measuring the Amplitude and Phase of the Electric Field Diffusing through a Random Medium. Physical Review Letters, 2003, 91, 033903.	7.8	34
97	Scattering of Terahertz Waves by Snow. Journal of Infrared, Millimeter, and Terahertz Waves, 2020, 41, 215-224.	2.2	33
98	Frequency-dependent radiation patterns emitted by THz plasmons on finite length cylindrical metal wires. Optics Express, 2006, 14, 8772.	3.4	32
99	Terahertz Dual-Polarization Beam Splitter Via an Anisotropic Matrix Metasurface. IEEE Transactions on Terahertz Science and Technology, 2019, 9, 491-497.	3.1	32
100	Nonlinear terahertz metamaterials with active electrical control. Applied Physics Letters, 2017, 111, .	3.3	31
101	The Effect of Snow on a Terahertz Wireless Data Link. Journal of Infrared, Millimeter, and Terahertz Waves, 2018, 39, 505-508.	2.2	31
102	Defining the Fresnel zone for broadband radiation. Physical Review E, 2002, 66, 056602.	2.1	30
103	Terahertz multistatic reflection imaging. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2002, 19, 1432.	1.5	29
104	Two-dimensional photonic crystal slabs in parallel-plate metal waveguides studied with terahertz time-domain spectroscopy. Semiconductor Science and Technology, 2005, 20, S300-S306.	2.0	29
105	Using terahertz pulses to study light scattering. Physica B: Condensed Matter, 2003, 338, 92-96.	2.7	28
106	A photonic crystal sensor based on the superprism effect. Optical Materials, 2006, 29, 56-59.	3.6	27
107	Dependence of guided resonances on the structural parameters of terahertz photonic crystal slabs. Journal of the Optical Society of America B: Optical Physics, 2008, 25, 633.	2.1	27
108	A tapered parallel-plate-waveguide probe for THz near-field reflection imaging. Applied Physics Letters, 2012, 100, .	3.3	27

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109	High-volume rapid prototyping technique for terahertz metallic metasurfaces. Optics Express, 2021, 29, 13806.	3.4	27
110	Laser THz emission nanoscopy and THz nanoscopy. Optics Express, 2020, 28, 18778.	3.4	27
111	Real-time object tracking using a leaky THz waveguide. Optics Express, 2020, 28, 17997.	3.4	27
112	A review of terahertz phase modulation from free space to guided wave integrated devices. Nanophotonics, 2022, 11, 415-437.	6.0	27
113	Bending and coupling losses in terahertz wire waveguides. Optics Letters, 2010, 35, 553.	3.3	26
114	Extraordinary optical reflection resonances and bound states in the continuum from a periodic array of thin metal plates. Optics Express, 2018, 26, 13195.	3.4	26
115	Characterization of apparent superluminal effects in the focus of an axicon lens using terahertz time-domain spectroscopy. Optics Communications, 2003, 219, 289-294.	2.1	25
116	Characterization of the terahertz near-field output of parallel-plate waveguides. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 558.	2.1	25
117	Scale model experimentation: using terahertz pulses to study light scattering. Physics in Medicine and Biology, 2002, 47, 3823-3830.	3.0	23
118	Analysis of rectangular resonant cavities in terahertz parallel-plate waveguides. Optics Letters, 2011, 36, 1452.	3.3	23
119	Terahertz disorder-localized rotational modes and lattice vibrational modes in the orientationally-disordered and ordered phases of camphor. Physical Chemistry Chemical Physics, 2015, 17, 6734-6740.	2.8	23
120	Out-of-plane dispersion and homogenization in photonic crystal slabs. Applied Physics Letters, 2005, 87, 191113.	3.3	21
121	Artificial dielectric polarizing-beamsplitter and isolator for the terahertz region. Scientific Reports, 2017, 7, 5909.	3.3	21
122	Communications with THz Waves: Switching Data Between Two Waveguides. Journal of Infrared, Millimeter, and Terahertz Waves, 2017, 38, 1316-1320.	2.2	21
123	Single shot single antenna path discovery in THz networks. , 2020, , .		21
124	A study of background signals in terahertz apertureless near-field microscopy and their use for scattering-probe imaging. Journal of Applied Physics, 2009, 105, 113117.	2.5	20
125	Terahertz Vibrational Modes of the Rigid Crystal Phase of Succinonitrile. Journal of Physical Chemistry A, 2014, 118, 2442-2446.	2.5	20
126	Characterization of guided resonances in photonic crystal slabs using terahertz time-domain spectroscopy. Journal of Applied Physics, 2006, 100, 123113.	2.5	19



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127	Focused terahertz waves generated by a phase velocity gradient in a parallel-plate waveguide. Optics Express, 2015, 23, 27947.	3.4	19
128	Terahertz mirage: Deflecting terahertz beams in an inhomogeneous artificial dielectric based on a parallel-plate waveguide. Applied Physics Letters, 2012, 101, .	3.3	18
129	Spectral shifts as a signature of the onset of diffusion of broadband terahertz pulses. Optics Letters, 2004, 29, 2926.	3.3	17
130	High-Q terahertz Fano resonance with extraordinary transmission in concentric ring apertures. Optics Express, 2014, 22, 3747.	3.4	17
131	Broadband group-velocity anomaly in transmission through a terahertz photonic crystal slab. Physical Review B, 2006, 73, .	3.2	16
132	Terahertz vibrational modes induced by heterogeneous nucleation in n-alkanes. Chemical Physics Letters, 2010, 493, 279-282.	2.6	16
133	A Luneburg Lens for the Terahertz Region. Journal of Infrared, Millimeter, and Terahertz Waves, 2019, 40, 1129-1136.	2.2	16
134	Broadband wide-angle terahertz antenna based on the application of transformation optics to a Luneburg lens. Scientific Reports, 2021, 11, 5230.	3.3	16
135	Jamming a terahertz wireless link. Nature Communications, 2022, 13, .	12.8	16
136	High-field harmonic generation in the tight-focusing limit. Journal of the Optical Society of America B: Optical Physics, 1996, 13, 170.	2.1	15
137	Superprism effect in a metal-clad terahertz photonic crystal slab. Optics Letters, 2007, 32, 683.	3.3	15
138	Nonlocal Time-Resolved Terahertz Spectroscopy in the Near Field. ACS Photonics, 2021, 8, 2904-2911.	6.6	15
139	Analysis of ancient ceramics using terahertz imaging and photogrammetry. Optics Express, 2020, 28, 22255.	3.4	15
140	Security in terahertz WLANs with Leaky wave antennas. , 2020, , .		15
141	Metasurface-in-the-Middle Attack. , 2022, , .		14
142	The excitation and emission of terahertz surface plasmon polaritons on metal wire waveguides. Comptes Rendus Physique, 2008, 9, 215-231.	0.9	13
143	Study of the impedance mismatch at the output end of a THz parallel-plate waveguide. Applied Physics Letters, 2012, 100, .	3.3	13
144	The isotropic molecular polarizabilities of single methyl-branched alkanes in the terahertz range. Chemical Physics Letters, 2014, 592, 292-296.	2.6	13

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145	Characterization of an active metasurface using terahertz ellipsometry. Applied Physics Letters, 2017, 111, .	3.3	13
146	A wire waveguide channel for terabit-per-second links. Applied Physics Letters, 2020, 116, .	3.3	13
147	Propagation of terahertz pulses in random media. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2004, 362, 301-314.	3.4	12
148	Antibonding plasmon mode coupling of an individual hole in a thin metallic film. Physical Review B, 2009, 80, .	3.2	12
149	Optimum areal coverage for perfect transmission in a periodic metal hole array. Applied Physics Letters, 2010, 97, 261112.	3.3	12
150	High-pressure cell for terahertz time-domain spectroscopy. Optics Express, 2017, 25, 2983.	3.4	12
151	Terahertz smart dynamic and active functional electromagnetic metasurfaces and their applications. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190609.	3.4	12
152	Anomalous contrast in broadband THz near-field imaging of gold microstructures. Optics Express, 2021, 29, 15190.	3.4	12
153	LeakyTrack. , 2020, , .		12
154	Imaging and Sensing with Terahertz Radiation. AIP Conference Proceedings, 2005, , .	0.4	11
155	Line-of-sight and non-line-of-sight links for dispersive terahertz wireless networks. APL Photonics, 2021, 6, 041304.	5.7	11
156	Inhibiting the TE <sub>1</sub> -mode diffraction losses in terahertz parallel-plate waveguides using concave plates. Optics Express, 2012, 20, 27800.	3.4	10
157	Parallel-Plate Waveguide Terahertz Time Domain Spectroscopy for Ultrathin Conductive Films. Journal of Infrared, Millimeter, and Terahertz Waves, 2015, 36, 1182-1194.	2.2	10
158	Artificial dielectric stepped-refractive-index lens for the terahertz region. Optics Express, 2018, 26, 3702.	3.4	10
159	<title>Imaging with terahertz pulses</title>. , 2000, , .		9
160	Advanced photonic crystal architectures from colloidal self-assembly techniques. Optical Materials, 2005, 27, 1250-1254.	3.6	9
161	Measuring TE <sub>1</sub> mode Losses in Terahertz Parallel-Plate Waveguides. Journal of Infrared, Millimeter, and Terahertz Waves, 2013, 34, 416-422.	2.2	9
162	Terahertz Vibrational Motions Mediate Gas Uptake in Organic Clathrates. Crystal Growth and Design, 2020, 20, 5638-5643.	3.0	9

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163	Temperature dependence of terahertz emission from InMnAs. Applied Physics Letters, 2007, 90, 012103.	3.3	8
164	Whispering-gallery-mode terahertz pulse propagation on a curved metallic plate. Applied Physics Letters, 2010, 97, 031106.	3.3	8
165	In situ spectroscopic characterization of a terahertz resonant cavity. Optica, 2014, 1, 272.	9.3	8
166	Extraordinary optical transmission inside a waveguide: spatial mode dependence. Optics Express, 2016, 24, 28221.	3.4	8
167	Waveguide T-junction as a broadband terahertz variable power splitter. , 2016, , .		8
168	Sparse Reconstruction of Complex Signals in Compressed Sensing Terahertz Imaging. , 2009, , .		8
169	Artificial Dielectrics: Ordinary Metallic Waveguides Mimic Extraordinary Dielectric Media. IEEE Microwave Magazine, 2014, 15, 34-42.	0.8	7
170	Single-cycle terahertz electromagnetic pulses: A new test bed for physical seismic modeling. Geophysics, 2003, 68, 308-313.	2.6	7
171	Broadband amplitude, frequency, and polarization splitter for terahertz frequencies using parallel-plate waveguide technology. Optics Letters, 2020, 45, 1208.	3.3	7
172	Introduction to THz Communications. Springer Series in Optical Sciences, 2022, , 1-12.	0.7	7
173	Breakthroughs in Terahertz Science and Technology in 2009. IEEE Photonics Journal, 2010, 2, 232-234.	2.0	6
174	Assignment of Terahertz Modes in Hydroquinone Clathrates. Journal of Infrared, Millimeter, and Terahertz Waves, 2020, 41, 1355-1365.	2.2	6
175	A mode-matching analysis of dielectric-filled resonant cavities coupled to terahertz parallel-plate waveguides. Optics Express, 2012, 20, 21766.	3.4	5
176	Designer reflectors using spoof surface plasmons in the terahertz range. Physical Review B, 2012, 86, .	3.2	5
177	A terahertz band-pass resonator based on enhanced reflectivity using spoof surface plasmons. New Journal of Physics, 2013, 15, 055002.	2.9	5
178	Terahertz Conductivity and Hindered Molecular Reorientation of Lithium Salt Doped Succinonitrile in its Plastic Crystal Phase. Journal of Infrared, Millimeter, and Terahertz Waves, 2014, 35, 770-779.	2.2	5
179	Direct Probe of Room-Temperature Quantum-Tunneling Processes in Type-II Heterostructures Using Terahertz Emission Spectroscopy. Physical Review Applied, 2020, 13, .	3.8	5
180	Enhancing terahertz radiation from femtosecond laser filaments using local gas density modulation. Physical Review A, 2021, 104, .	2.5	5

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181	Dielectric Reflectors for TeraHertz Frequencies. Journal of Nanoelectronics and Optoelectronics, 2007, 2, 77-82.	0.5	5
182	Nanostructured virus crystals for X-ray optics. IEEE Nanotechnology Magazine, 2006, 5, 93-96.	2.0	4
183	Nonstationary time-domain statistics of multiply scattered broadband terahertz pulses. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 1506.	2.1	4
184	A tunable terahertz response. Nature Photonics, 2008, 2, 267-268.	31.4	4
185	A metal wire waveguide for terabit DSL. , 2019, , .		4
186	Characterizing optical resonances using spatial mode reshaping. Optica, 2018, 5, 1414.	9.3	4
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