Withawat Withayachumnankul

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

154 papers 5,516 citations

40 h-index

g-index

225 ext. papers

6,855 ext. citations

4.9 avg, IF

6.03 L-index

#	Paper	IF	Citations
154	Frequency-Selective-Surface-Based Mechanically Reconfigurable Terahertz Bandpass Filter. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2022 , 1-1	3.4	2
153	Tutorial on broadband transmissive metasurfaces for wavefront and polarization control of terahertz waves. <i>Journal of Applied Physics</i> , 2022 , 131, 061101	2.5	5
152	Frequency-Reconfigurable Circularly-Polarized Omnidirectional Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2022 , 1-1	4.9	
151	Timing-Jitter Tolerant Nyquist Pulse for Terahertz Communications. <i>Journal of Lightwave Technology</i> , 2021 , 1-1	4	
150	Circuit-Based Design and Optimization for Broadband Terahertz Metasurfaces 2021,		1
149	Gratingless integrated tunneling multiplexer for terahertz waves. <i>Optica</i> , 2021 , 8, 621	8.6	8
148	Nondestructive Testing of Defects in Polymer Matrix Composite Materials for Marine Applications Using Terahertz Waves. <i>Journal of Nondestructive Evaluation</i> , 2021 , 40, 1	2.1	4
147	IEEE 802.15.3d-Compliant Waveforms for Terahertz Wireless Communications. <i>Journal of Lightwave Technology</i> , 2021 , 1-1	4	3
146	All-Silicon Terahertz Planar Horn Antenna. IEEE Antennas and Wireless Propagation Letters, 2021, 1-1	3.8	3
145	Effective-medium-clad Bragg grating filters. APL Photonics, 2021, 6, 076105	5.2	7
144	Terahertz transmissive half-wave metasurface with enhanced bandwidth. <i>Optics Letters</i> , 2021 , 46, 4164	4- <u>4</u> 167	5
143	Terahertz transmissive half-wave metasurface with enhanced bandwidth: publisher's note. <i>Optics Letters</i> , 2021 , 46, 4640	3	
142	Broadband Single-Mode Hybrid Photonic Crystal Waveguides for Terahertz Integration on a Chip. <i>Advanced Materials Technologies</i> , 2020 , 5, 2000117	6.8	11
141	Triple-Band Reconfigurable Low-Profile Monopolar Antenna With Independent Tunability. <i>IEEE Open Journal of Antennas and Propagation</i> , 2020 , 1, 47-56	1.9	10
140	High-\$Q\$ Terahertz Absorber With Stable Angular Response. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2020 , 10, 204-211	3.4	17
139	Characteristics of Effective-Medium-Clad Dielectric Waveguides. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2020 , 1-1	3.4	11
138	Assessing frost damage in barley using terahertz imaging. <i>Optics Express</i> , 2020 , 28, 30644-30655	3.3	8

137	Ultra-wideband far-infrared absorber based on anisotropically etched doped silicon. <i>Optics Letters</i> , 2020 , 45, 1196-1199	3	14
136	Wideband Circularly Polarized 3-D Printed Dielectric Rod Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 745-753	4.9	6
135	Terahertz Waveguides: Broadband Single-Mode Hybrid Photonic Crystal Waveguides for Terahertz Integration on a Chip (Adv. Mater. Technol. 7/2020). <i>Advanced Materials Technologies</i> , 2020 , 5, 2070039	6.8	1
134	Unclad Microphotonics for Terahertz Waveguides and Systems. <i>Journal of Lightwave Technology</i> , 2020 , 1-1	4	16
133	Broadband terahertz transmissive quarter-wave metasurface. APL Photonics, 2020, 5, 096108	5.2	13
132	Fast Semi-Analytical Design for Single-FSS-Layer Circuit-Analog Absorbers. <i>IEEE Open Journal of Antennas and Propagation</i> , 2020 , 1, 483-492	1.9	3
131	Dielectrics for Terahertz Metasurfaces: Material Selection and Fabrication Techniques. <i>Advanced Optical Materials</i> , 2020 , 8, 1900750	8.1	40
130	Ultra-wideband tri-layer transmissive linear polarization converter for terahertz waves. <i>APL Photonics</i> , 2020 , 5, 046101	5.2	20
129	Broadband and wide-angle reflective linear polarization converter for terahertz waves. <i>APL Photonics</i> , 2019 , 4, 096104	5.2	18
128	Single-FSS-Layer Absorber With Improved Bandwidth Inickness Tradeoff Adopting Impedance-Matching Superstrate. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 916-920	3.8	18
127	Horizontally Polarized 360° Beam-Steerable Frequency-Reconfigurable Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 5231-5242	4.9	11
126	Terahertz Reflectarray with Enhanced Bandwidth. Advanced Optical Materials, 2019, 7, 1900791	8.1	14
125	Terahertz Reflectarray: Terahertz Reflectarray with Enhanced Bandwidth (Advanced Optical Materials 20/2019). <i>Advanced Optical Materials</i> , 2019 , 7, 1970076	8.1	
124	Evolution from Air-Cladded to Effective-Medium-Cladded Dielectric Waveguides 2019,		1
123	Broadband Terahertz Quarter-Wave Plate Design 2019 ,		1
122	Effective-medium-cladded dielectric waveguides for terahertz waves. <i>Optics Express</i> , 2019 , 27, 38721-38	87.34	26
121	Terahertz Absorber Design Adopting Metallic FSS in Sub-Skin-Depth Thickness 2019,		1
120	Polarization Responses of Terahertz Dielectric Rod Antenna Arrays 2019 ,		1

119	Linear Series-Fed Patch Array with Dual Circular Polarization or Arbitrary Linear Polarization 2019,		4
118	Study of Microstrip-Based Terahertz Phase Shifter Using Liquid Crystal 2019 ,		1
117	All-dielectric rod antenna array for terahertz communications. APL Photonics, 2018, 3, 051707	5.2	43
116	Tutorial: Terahertz beamforming, from concepts to realizations. APL Photonics, 2018, 3, 051101	5.2	63
115	Broadband Terahertz Circular-Polarization Beam Splitter. Advanced Optical Materials, 2018, 6, 1700852	8.1	42
114	Dielectric-resonator metasurfaces for broadband terahertz quarter- and half-wave mirrors. <i>Optics Express</i> , 2018 , 26, 14392-14406	3.3	23
113	Wideband Endfire 3-D-Printed Dielectric Antenna With Designable Permittivity. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 2085-2089	3.8	16
112	Low-profile monopole antenna with via-less shorting 2018,		2
111	Impact of Infill Pattern on 3D Printed Dielectric Resonator Antennas 2018,		8
110	Terahertz multi-beam antenna using photonic crystal waveguide and Luneburg lens. <i>APL Photonics</i> , 2018 , 3, 126105	5.2	41
109	Integrated Silicon Photonic Crystals Toward Terahertz Communications. <i>Advanced Optical Materials</i> , 2018 , 6, 1800401	8.1	33
108	Fabry-Pfot interferometer for sensing polar liquids at terahertz frequencies. <i>Journal of Applied Physics</i> , 2017 , 121, 204502	2.5	8
107	Recent Progress in Terahertz Metasurfaces. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2017 , 38, 1067-1084	2.2	36
106	Terahertz Reflectarrays and Nonuniform Metasurfaces. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2017 , 23, 1-18	3.8	26
105	Dual Circularly Polarized Series-Fed Microstrip Patch Array With Coplanar Proximity Coupling. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 1500-1503	3.8	32
104	Editorial Introduction to the Special Issue: Terahertz Metamaterials and Photonic Crystals. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2017 , 38, 1031-1033	2.2	2
103	Metal-Loaded Dielectric Resonator Metasurfaces for Radiative Cooling. <i>Advanced Optical Materials</i> , 2017 , 5, 1700460	8.1	99
102	Insulator-metal transition in substrate-independent VO thin film for phase-change devices. <i>Scientific Reports</i> , 2017 , 7, 17899	4.9	40

(2015-2017)

101	Dielectric Resonator Nanoantennas: A Review of the Theoretical Background, Design Examples, Prospects, and Challenges. <i>IEEE Antennas and Propagation Magazine</i> , 2017 , 59, 30-42	1.7	13
100	Efficient terahertz metasurface-based flat lens 2017 ,		1
99	Demonstration of a highly efficient terahertz flat lens employing tri-layer metasurfaces. <i>Optics Letters</i> , 2017 , 42, 1867-1870	3	38
98	Terahertz near-field imaging of dielectric resonators. <i>Optics Express</i> , 2017 , 25, 3756-3764	3.3	13
97	All-dielectric integration of dielectric resonator antenna and photonic crystal waveguide. <i>Optics Express</i> , 2017 , 25, 14706-14714	3.3	27
96	Compact Second-Order Bandstop Filter Based on Dual-Mode Complementary Split-Ring Resonator. <i>IEEE Microwave and Wireless Components Letters</i> , 2016 , 26, 571-573	2.6	24
95	Analysis of 3D-printed metal for rapid-prototyped reflective terahertz optics. <i>Optics Express</i> , 2016 , 24, 17384-96	3.3	21
94	Nanoscale TiO2 dielectric resonator absorbers. <i>Optics Letters</i> , 2016 , 41, 3391-4	3	34
93	Microwave microfluidic sensor based on microstrip-line-coupled complementary resonator 2016,		8
92	Terahertz and optical Dielectric Resonator Antennas: Potential and challenges for efficient designs 2016 ,		5
92 91		3.4	5
	2016, Attenuated Total Reflection Terahertz Time-Domain Spectroscopy: Uncertainty Analysis and	3.4	
91	Attenuated Total Reflection Terahertz Time-Domain Spectroscopy: Uncertainty Analysis and Reduction Scheme. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2016 , 6, 32-39 Varactor-Tunable Second-Order Bandpass Frequency-Selective Surface With Embedded Bias		20
91 90	Attenuated Total Reflection Terahertz Time-Domain Spectroscopy: Uncertainty Analysis and Reduction Scheme. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2016 , 6, 32-39 Varactor-Tunable Second-Order Bandpass Frequency-Selective Surface With Embedded Bias Network. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 1672-1680 Mechanically Tunable Dielectric Resonator Metasurfaces at Visible Frequencies. <i>ACS Nano</i> , 2016 ,	4.9	20 92
91 90 89	Attenuated Total Reflection Terahertz Time-Domain Spectroscopy: Uncertainty Analysis and Reduction Scheme. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2016 , 6, 32-39 Varactor-Tunable Second-Order Bandpass Frequency-Selective Surface With Embedded Bias Network. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 1672-1680 Mechanically Tunable Dielectric Resonator Metasurfaces at Visible Frequencies. <i>ACS Nano</i> , 2016 , 10, 133-41	4.9	20 92 198
91 90 89 88	Attenuated Total Reflection Terahertz Time-Domain Spectroscopy: Uncertainty Analysis and Reduction Scheme. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2016 , 6, 32-39 Varactor-Tunable Second-Order Bandpass Frequency-Selective Surface With Embedded Bias Network. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 1672-1680 Mechanically Tunable Dielectric Resonator Metasurfaces at Visible Frequencies. <i>ACS Nano</i> , 2016 , 10, 133-41 Demonstration of short-range terahertz radar using high-gain leaky-wave antenna 2016 , Low-Profile Terahertz Radar Based on Broadband Leaky-Wave Beam Steering. <i>IEEE Transactions on</i>	4.9	20 92 198
91 90 89 88 87	Attenuated Total Reflection Terahertz Time-Domain Spectroscopy: Uncertainty Analysis and Reduction Scheme. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2016 , 6, 32-39 Varactor-Tunable Second-Order Bandpass Frequency-Selective Surface With Embedded Bias Network. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 1672-1680 Mechanically Tunable Dielectric Resonator Metasurfaces at Visible Frequencies. <i>ACS Nano</i> , 2016 , 10, 133-41 Demonstration of short-range terahertz radar using high-gain leaky-wave antenna 2016 , Low-Profile Terahertz Radar Based on Broadband Leaky-Wave Beam Steering. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2016 , 1-10 Dielectric Resonator Reflectarray as High-Efficiency Nonuniform Terahertz Metasurface. <i>ACS</i>	4·9 16.7	20 92 198 1

83	Flexible bi-layer terahertz chiral metamaterials. <i>Journal of Optics (United Kingdom)</i> , 2015 , 17, 085101	1.7	6
82	Doped polymer for low-loss dielectric material in the terahertz range. <i>Optical Materials Express</i> , 2015 , 5, 1373	2.6	21
81	Second-Order Terahertz Bandpass Frequency Selective Surface With Miniaturized Elements. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2015 , 5, 761-769	3.4	63
80	Polarization-dependent thin-film wire-grid reflectarray for terahertz waves. <i>Applied Physics Letters</i> , 2015 , 107, 031111	3.4	17
79	Terahertz Magnetic Mirror Realized with Dielectric Resonator Antennas. <i>Advanced Materials</i> , 2015 , 27, 7137-44	24	48
78	Flexible metasurfaces and metamaterials: A review of materials and fabrication processes at microand nano-scales. <i>Applied Physics Reviews</i> , 2015 , 2, 011303	17.3	204
77	Ultrabroadband Plasmonic Absorber for Terahertz Waves. <i>Advanced Optical Materials</i> , 2015 , 3, 376-380	8.1	76
76	Microfluidic-based Split-Ring-Resonator Sensor for Real-time and Label-free Biosensing. <i>Procedia Engineering</i> , 2015 , 120, 163-166		15
75	Terahertz bandpass frequency selective surface with improved out-of-band response 2015,		3
74	Higher-order tunable frequency selective surface with miniaturized elements 2015,		8
73	Microwave microfluidic sensor for determination of glucose concentration in water 2015,		58
72	Real-time and label-free biosensing with microfluidic-based split-ring-resonator sensor 2015 ,		3
71	Resonance breakdown of dielectric resonator antennas on ground plane at visible frequencies 2015 ,		1
70	Terahertz plasmonic Bessel beamformer. <i>Applied Physics Letters</i> , 2015 , 106, 021101	3.4	26
69	Compact Dual-Mode Wideband Filter Based on Complementary Split-Ring Resonator. <i>IEEE Microwave and Wireless Components Letters</i> , 2014 , 24, 152-154	2.6	29
68	Fundamentals of Measurement in Terahertz Time-Domain Spectroscopy. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2014 , 35, 610-637	2.2	131
67	High-Sensitivity Metamaterial-Inspired Sensor for Microfluidic Dielectric Characterization. <i>IEEE Sensors Journal</i> , 2014 , 14, 1345-1351	4	395
66	Ultrasensitive terahertz sensing with high-Q Fano resonances in metasurfaces. <i>Applied Physics Letters</i> , 2014 , 105, 171101	3.4	398

65	Efficiency and Scalability of Dielectric Resonator Antennas at Optical Frequencies. <i>IEEE Photonics Journal</i> , 2014 , 6, 1-10	1.8	9
64	Metamaterial-Inspired Rotation Sensor With Wide Dynamic Range. <i>IEEE Sensors Journal</i> , 2014 , 14, 2609-	-24614	102
63	Plasmonic Resonance toward Terahertz Perfect Absorbers. ACS Photonics, 2014, 1, 625-630	6.3	62
62	High Frequency Properties and Applications of Elastomeric Silicones 2014 , 211-224		
61	Spectral and angular characteristics of dielectric resonator metasurface at optical frequencies. <i>Applied Physics Letters</i> , 2014 , 105, 191109	3.4	17
60	Terahertz reflectarray for bidirectional beam splitting 2014,		2
59	Second-order bandpass frequency selective surface for terahertz applications 2014,		5
58	Plasmonic Absorber Based on Nano-scale Dielectric Resonator Antennas 2014 ,		1
57	Terahertz reflectarray as a polarizing beam splitter. <i>Optics Express</i> , 2014 , 22, 16148-60	3.3	83
56	Dual-mode behavior of the complementary electric-LC resonators loaded on transmission line: Analysis and applications. <i>Journal of Applied Physics</i> , 2014 , 116, 083705	2.5	33
55	Design of dual-band frequency selective surface with miniaturized elements 2014,		13
54	Ultrabroadband reflective polarization convertor for terahertz waves. <i>Applied Physics Letters</i> , 2014 , 105, 181111	3.4	136
53	Hybrid metasurface for ultra-broadband terahertz modulation. <i>Applied Physics Letters</i> , 2014 , 105, 18110	0 § .4	28
52	Limitation in thin-film sensing with transmission-mode terahertz time-domain spectroscopy. <i>Optics Express</i> , 2014 , 22, 972-86	3.3	45
51	Rapid detection of hairline cracks on the surface of piezoelectric ceramics. <i>International Journal of Advanced Manufacturing Technology</i> , 2013 , 64, 1275-1283	3.2	11
50	Metamaterial-Inspired Bandpass Filters for Terahertz Surface Waves on Goubau Lines. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2013 , 3, 851-858	3.4	35
49	Dielectric resonator nanoantennas at visible frequencies. <i>Optics Express</i> , 2013 , 21, 1344-52	3.3	147
48	Mechanically tunable terahertz metamaterials. <i>Applied Physics Letters</i> , 2013 , 102, 121101	3.4	119

47	Terahertz Localized Surface Plasmon Resonances in Coaxial Microcavities. <i>Advanced Optical Materials</i> , 2013 , 1, 443-448	8.1	17
46	Dual-Mode Terahertz Time-Domain Spectroscopy System. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2013 , 3, 216-220	3.4	14
45	Metamaterial-based microfluidic sensor for dielectric characterization. <i>Sensors and Actuators A: Physical</i> , 2013 , 189, 233-237	3.9	249
44	Beam deflection lens at terahertz frequencies using a hole lattice metamaterial 2013,		4
43	Analysis and design of planar dipole array for terahertz magnetic surface wave propagation 2013,		1
42	Tunable electric-LC resonators using liquid crystal 2013 ,		11
41	Flexible terahertz metamaterials for dual-axis strain sensing. <i>Optics Letters</i> , 2013 , 38, 2104-6	3	48
40	Plasmonics: Terahertz Localized Surface Plasmon Resonances in Coaxial Microcavities (Advanced Optical Materials, 2013 , 1, 412-412	8.1	
39	Interlayer tuning of X-band frequency-selective surface using liquid crystal 2013,		16
38	Experimental demonstration of reflectarray antennas at terahertz frequencies. <i>Optics Express</i> , 2013 , 21, 2875-89	3.3	91
37	A Review on Thin-film Sensing with Terahertz Waves. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2012 , 33, 245-291	2.2	133
36	Sub-diffraction thin-film sensing with planar terahertz metamaterials. <i>Optics Express</i> , 2012 , 20, 3345-52	3.3	82
35	Design and implementation of terahertz reflectarray 2012,		3
34	Metamaterial-inspired microfluidic-based sensor for chemical discrimination 2012,		6
33	Practical method for determining inductance and capacitance of metamaterial resonators. <i>Electronics Letters</i> , 2012 , 48, 225	1.1	5
32	Elastomeric silicone substrates for terahertz fishnet metamaterials. <i>Applied Physics Letters</i> , 2012 , 100, 061101	3.4	51
31	Near-field interactions in electric inductived apacitive resonators for metamaterials. <i>Journal Physics D: Applied Physics</i> , 2012 , 45, 485101	3	9
30	Distributed source model for the full-wave electromagnetic simulation of nonlinear terahertz generation. <i>Optics Express</i> , 2012 , 20, 18397-414	3.3	6

29	Metamaterial-Inspired Multichannel Thin-Film Sensor. IEEE Sensors Journal, 2012, 12, 1455-1458	4	87
28	Terahertz magnetic plasmon waveguides 2012 ,		1
27	Design and analysis of a metasurface for supporting spoof surface plasmon polaritons 2012,		1
26	Metamaterial-based strain sensors 2011 ,		5
25	Planar Array of Electric- \$LC\$ Resonators With Broadband Tunability. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011 , 10, 577-580	3.8	46
24	Compact wideband filter element-based on complementary split-ring resonators 2011,		3
23	Modeling terahertz heating effects on water. Optics Express, 2010, 18, 4727-39	3.3	44
22	Compact electric-LC resonators for metamaterials. <i>Optics Express</i> , 2010 , 18, 25912-21	3.3	54
21	A Systemized View of Superluminal Wave Propagation. <i>Proceedings of the IEEE</i> , 2010 , 98, 1775-1786	14.3	26
20	Measurement of linearity in THz-TDS 2009 ,		6
19	Measurement of linearity in THz-TDS 2009 , Metamaterials in the Terahertz Regime. <i>IEEE Photonics Journal</i> , 2009 , 1, 99-118	1.8	225
		1.8	
19	Metamaterials in the Terahertz Regime. <i>IEEE Photonics Journal</i> , 2009 , 1, 99-118 Uncertainty in terahertz time-domain spectroscopy measurement. <i>Journal of the Optical Society of</i>		225
19 18	Metamaterials in the Terahertz Regime. <i>IEEE Photonics Journal</i> , 2009 , 1, 99-118 Uncertainty in terahertz time-domain spectroscopy measurement. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008 , 25, 1059 Material thickness optimization for transmission-mode terahertz time-domain spectroscopy. <i>Optics</i>	1.7	108
19 18 17	Metamaterials in the Terahertz Regime. <i>IEEE Photonics Journal</i> , 2009 , 1, 99-118 Uncertainty in terahertz time-domain spectroscopy measurement. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008 , 25, 1059 Material thickness optimization for transmission-mode terahertz time-domain spectroscopy. <i>Optics Express</i> , 2008 , 16, 7382-96 Gas recognition with terahertz time-domain spectroscopy and reference-free spectrum: A	1.7	22510864
19 18 17 16	Metamaterials in the Terahertz Regime. <i>IEEE Photonics Journal</i> , 2009 , 1, 99-118 Uncertainty in terahertz time-domain spectroscopy measurement. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008 , 25, 1059 Material thickness optimization for transmission-mode terahertz time-domain spectroscopy. <i>Optics Express</i> , 2008 , 16, 7382-96 Gas recognition with terahertz time-domain spectroscopy and reference-free spectrum: A preliminary study 2008 ,	1.7	225108641
19 18 17 16	Metamaterials in the Terahertz Regime. <i>IEEE Photonics Journal</i> , 2009 , 1, 99-118 Uncertainty in terahertz time-domain spectroscopy measurement. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008 , 25, 1059 Material thickness optimization for transmission-mode terahertz time-domain spectroscopy. <i>Optics Express</i> , 2008 , 16, 7382-96 Gas recognition with terahertz time-domain spectroscopy and reference-free spectrum: A preliminary study 2008 , Survey of terahertz metamaterial devices 2008 , Numerical removal of water vapour effects from terahertz time-domain spectroscopy measurements. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> ,	3.3	 225 108 64 1 1

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10	Analysis of measurement uncertainty in THz-TDS 2007 ,		8
9	Removal of water-vapor-induced fluctuations in T-ray signals: a preliminary study 2007,		2
8	Gas recognition with terahertz time-domain spectroscopy and spectral catalog: a preliminary study 2007 ,		11
7	T-ray sensing and imaging. <i>Proceedings of the IEEE</i> , 2007 , 95, 1528-1558	14.3	121
6	DIRECT FABRY-PROT EFFECT REMOVAL. Fluctuation and Noise Letters, 2006 , 06, L227-L239	1.2	15
5	T-ray relevant frequencies for osteosarcoma classification 2005,		1
4	Simple material parameter estimation via terahertz time-domain spectroscopy. <i>Electronics Letters</i> , 2005 , 41, 800	1.1	23
3	Ultrasonic diffraction tomography by pulse-plane wave: experimental result by frequency synthesis method. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2005 , 2005, 1822-5		
	Material parameter extraction for teraherta time demain spectroscopy using fixed point iteration		
2	Material parameter extraction for terahertz time-domain spectroscopy using fixed-point iteration 2005 ,		23