

# Withawat Withayachumnankul

## List of Publications by Year in descending order

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221  
papers

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50276

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docs citations

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times ranked

6204  
citing authors

#	ARTICLE	IF	CITATIONS
1	Timing-Jitter Tolerant Nyquist Pulse for Terahertz Communications. Journal of Lightwave Technology, 2022, 40, 557-564.	4.6	4
2	Frequency-Selective-Surface-Based Mechanically Reconfigurable Terahertz Bandpass Filter. IEEE Transactions on Terahertz Science and Technology, 2022, 12, 257-266.	3.1	19
3	Tutorial on broadband transmissive metasurfaces for wavefront and polarization control of terahertz waves. Journal of Applied Physics, 2022, 131, .	2.5	20
4	Frequency-Reconfigurable Circularly Polarized Omnidirectional Antenna. IEEE Transactions on Antennas and Propagation, 2022, 70, 7205-7210.	5.1	13
5	Continuous Leakage from Slow-Wave Structure for Integrated All-Dielectric Uniform Leaky Wave Antenna. , 2022, , .		1
6	In the shadow of the laser phantom needle cross: dynamic air-plasma aperture sheds light on terahertz microscopy. Light: Science and Applications, 2022, 11, .	16.6	0
7	IEEE 802.15.3d-Compliant Waveforms for Terahertz Wireless Communications. Journal of Lightwave Technology, 2021, 39, 7748-7760.	4.6	11
8	All-Silicon Terahertz Planar Horn Antenna. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 2181-2185.	4.0	13
9	Gratingless integrated tunneling multiplexer for terahertz waves. Optica, 2021, 8, 621.	9.3	29
10	Nondestructive Testing of Defects in Polymer Matrix Composite Materials for Marine Applications Using Terahertz Waves. Journal of Nondestructive Evaluation, 2021, 40, 1.	2.4	16
11	Low-Complexity Zero-Forcing Equalization for MIMO SC-FDMA Terahertz Communications. , 2021, , .		2
12	Effective-medium-clad Bragg grating filters. APL Photonics, 2021, 6, .	5.7	23
13	Terahertz transmissive half-wave metasurface with enhanced bandwidth. Optics Letters, 2021, 46, 4164.	3.3	16
14	Wideband Circularly Polarized 3D-Printed Dielectric Rod Antenna with Double-ridged Waveguide Feed. , 2021, , .		0
15	Terahertz transmissive half-wave metasurface with enhanced bandwidth: publisher's note. Optics Letters, 2021, 46, 4640.	3.3	0
16	Characteristics of Effective-Medium-Clad Dielectric Waveguides. IEEE Transactions on Terahertz Science and Technology, 2021, 11, 28-41.	3.1	45
17	Integrated resonant cavities on substrateless terahertz dielectric waveguide platform. , 2021, , .		1
18	Terahertz Pulse Shaping using Microwave-Photonic Delay Line Filters. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
19	Circuit-Based Design and Optimization for Broadband Terahertz Metasurfaces. , 2021, , .		1
20	Waveguide Crossing Based on Air-Silicon Effective Medium. , 2021, , .		0
21	Waveforms with High Spectral Efficiency for Terahertz Communications. , 2021, , .		0
22	Integrated Terahertz Band-Stop Filter Based on Effective Medium. , 2021, , .		0
23	Integrated Terahertz Tunneling Filter. , 2021, , .		1
24	Improving the Radiation Performance of Resonant-Tunneling Diode by Using Planar Metallic Arrays. , 2021, , .		0
25	360° Beam-Sterable Pattern- and Frequency-Reconfigurable Antenna with 3D Printed Dielectric Lens. , 2021, , .		1
26	Leaky-mode analysis of micro-structured dielectric waveguides toward integrated tunneling multiplexers with enhanced bandwidth. , 2021, , .		1
27	Terahertz Integrated Polarization Beam Splitter Based on Effective-Medium Waveguide. , 2021, , .		2
28	Dielectrics for Terahertz Metasurfaces: Material Selection and Fabrication Techniques. Advanced Optical Materials, 2020, 8, 1900750.	7.3	84
29	Wideband Circularly Polarized 3-D Printed Dielectric Rod Antenna. IEEE Transactions on Antennas and Propagation, 2020, 68, 745-753.	5.1	21
30	Terahertz Waveguides: Broadband Single-Mode Hybrid Photonic Crystal Waveguides for Terahertz Integration on a Chip (Adv. Mater. Technol. 7/2020). Advanced Materials Technologies, 2020, 5, 2070039.	5.8	1
31	Dispersion in broadband terahertz photonic crystal waveguides employing Bragg-mirror suppression. , 2020, , .		1
32	Unclad Microphotronics for Terahertz Waveguides and Systems. Journal of Lightwave Technology, 2020, , 1-1.	4.6	49
33	Broadband terahertz transmissive quarter-wave metasurface. APL Photonics, 2020, 5, .	5.7	28
34	Fast Semi-Analytical Design for Single-FSS-Layer Circuit-Analog Absorbers. IEEE Open Journal of Antennas and Propagation, 2020, 1, 483-492.	3.7	6
35	Broadband Single-Mode Hybrid Photonic Crystal Waveguides for Terahertz Integration on a Chip. Advanced Materials Technologies, 2020, 5, 2000117.	5.8	24
36	Triple-Band Reconfigurable Low-Profile Monopolar Antenna With Independent Tunability. IEEE Open Journal of Antennas and Propagation, 2020, 1, 47-56.	3.7	13

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37	High-Q Terahertz Absorber With Stable Angular Response. IEEE Transactions on Terahertz Science and Technology, 2020, 10, 204-211.	3.1	33
38	Ultra-wideband tri-layer transmissive linear polarization converter for terahertz waves. APL Photonics, 2020, 5, 046101.	5.7	46
39	Assessing frost damage in barley using terahertz imaging. Optics Express, 2020, 28, 30644.	3.4	14
40	Ultra-wideband far-infrared absorber based on anisotropically etched doped silicon. Optics Letters, 2020, 45, 1196.	3.3	20
41	Terahertz Slab-Mode Beam Launchers using Photonic Crystal Waveguides and Integrated Optics. , 2020, , .		0
42	Unclad Microphotonic Waveguide Bend. , 2020, , .		0
43	All-Silicon Terahertz Components Towards Efficient Integrated Systems. , 2020, , .		1
44	Horizontally Polarized 360° Beam-Steerable Frequency-Reconfigurable Antenna. IEEE Transactions on Antennas and Propagation, 2019, 67, 5231-5242.	5.1	22
45	Terahertz Reflectarray with Enhanced Bandwidth. Advanced Optical Materials, 2019, 7, 1900791.	7.3	22
46	Terahertz Reflectarray: Terahertz Reflectarray with Enhanced Bandwidth (Advanced Optical Materials) Tj ETQq0 0 0,rgBT /Overlock 10 Tf	7.3	0
47	Broadband and wide-angle terahertz reflective half-wave mirror. , 2019, , .		0
48	Evolution from Air-Cladded to Effective-Medium-Cladded Dielectric Waveguides. , 2019, , .		3
49	Broadband Terahertz Quarter-Wave Plate Design. , 2019, , .		1
50	Integrated Luneburg and Maxwell Fisheye Lenses for the Terahertz Range. , 2019, , .		3
51	Broadband and wide-angle reflective linear polarization converter for terahertz waves. APL Photonics, 2019, 4, 096104.	5.7	42
52	Single-FSS-Layer Absorber With Improved Bandwidthâ€“Thickness Tradeoff Adopting Impedance-Matching Superstrate. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 916-920.	4.0	30
53	Terahertz Absorber Design Adopting Metallic FSS in Sub-Skin-Depth Thickness. , 2019, , .		1
54	Polarization Responses of Terahertz Dielectric Rod Antenna Arrays. , 2019, , .		1

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55	Wideband 3D Printed Conformal Dielectric Antenna with End-fire Radiation. , 2019, , .		0
56	Linear Series-Fed Patch Array with Dual Circular Polarization or Arbitrary Linear Polarization. , 2019, , .		7
57	Study of Microstrip-Based Terahertz Phase Shifter Using Liquid Crystal. , 2019, , .		1
58	Fabrication of Broadband Absorbers for the Far-Infrared Spectral Range. , 2019, , .		0
59	Effective-medium-cladded dielectric waveguides for terahertz waves. Optics Express, 2019, 27, 38721.	3.4	71
60	All-dielectric rod antenna array for terahertz communications. APL Photonics, 2018, 3, .	5.7	75
61	Tutorial: Terahertz beamforming, from concepts to realizations. APL Photonics, 2018, 3, .	5.7	130
62	Broadband Terahertz Circular Polarization Beam Splitter. Advanced Optical Materials, 2018, 6, 1700852.	7.3	64
63	Terahertz Metasurfaces for Beamforming and Polarization Conversion. , 2018, , .		1
64	Impact of Infill Pattern on 3D Printed Dielectric Resonator Antennas. , 2018, , .		15
65	Terahertz Focusing Reflectarray with Enhanced Bandwidth. , 2018, , .		0
66	Evolution of Rod Antennas for Integrated Terahertz Photonics. , 2018, , .		1
67	Terahertz multi-beam antenna using photonic crystal waveguide and Luneburg lens. APL Photonics, 2018, 3, 126105.	5.7	69
68	Metasurfaces for Terahertz Polarimetry. , 2018, , .		1
69	Integrated Silicon Photonic Crystals Toward Terahertz Communications. Advanced Optical Materials, 2018, 6, 1800401.	7.3	71
70	Metallic and dielectric resonators in broadband half-wave mirrors for terahertz frequencies. , 2018, , .		0
71	Dielectric-resonator metasurfaces for broadband terahertz quarter- and half-wave mirrors. Optics Express, 2018, 26, 14392.	3.4	37
72	Wideband Endfire 3-D-Printed Dielectric Antenna With Designable Permittivity. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 2085-2089.	4.0	33

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73	Low-profile monopole antenna with via-less shorting. , 2018, , .		4
74	Fabry-Pérot interferometer for sensing polar liquids at terahertz frequencies. Journal of Applied Physics, 2017, 121, .	2.5	12
75	Recent Progress in Terahertz Metasurfaces. Journal of Infrared, Millimeter, and Terahertz Waves, 2017, 38, 1067-1084.	2.2	64
76	Terahertz Reflectarrays and Nonuniform Metasurfaces. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 1-18.	2.9	41
77	Dual Circularly Polarized Series-Fed Microstrip Patch Array With Coplanar Proximity Coupling. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1500-1503.	4.0	50
78	Editorial Introduction to the Special Issue: Terahertz Metamaterials and Photonic Crystals. Journal of Infrared, Millimeter, and Terahertz Waves, 2017, 38, 1031-1033.	2.2	2
79	Metal-Loaded Dielectric Resonator Metasurfaces for Radiative Cooling. Advanced Optical Materials, 2017, 5, 1700460.	7.3	177
80	Insulator-metal transition in substrate-independent VO <sub>2</sub> thin film for phase-change devices. Scientific Reports, 2017, 7, 17899.	3.3	63
81	Dielectric Resonator Nanoantennas: A Review of the Theoretical Background, Design Examples, Prospects, and Challenges. IEEE Antennas and Propagation Magazine, 2017, 59, 30-42.	1.4	21
82	Efficient terahertz metasurface-based flat lens. , 2017, , .		1
83	Design of terahertz leaky-wave antenna driven by resonant-tunneling diode. , 2017, , .		0
84	Demonstration of a highly efficient terahertz flat lens employing tri-layer metasurfaces. Optics Letters, 2017, 42, 1867.	3.3	54
85	Terahertz near-field imaging of dielectric resonators. Optics Express, 2017, 25, 3756.	3.4	18
86	All-dielectric integration of dielectric resonator antenna and photonic crystal waveguide. Optics Express, 2017, 25, 14706.	3.4	46
87	Efficient terahertz reflectarray based on dielectric resonator antennas. , 2016, , .		0
88	Terahertz narrowband absorber based on miniaturized elements. , 2016, , .		2
89	Demonstration of short-range terahertz radar using high-gain leaky-wave antenna. , 2016, , .		1
90	Low-Profile Terahertz Radar Based on Broadband Leaky-Wave Beam Steering. IEEE Transactions on Terahertz Science and Technology, 2016, , 1-10.	3.1	37

#	ARTICLE	IF	CITATIONS
91	Near-field imaging of magnetic resonance in terahertz dielectric resonator antennas. , 2016, , .		0
92	Uncertainty analysis for attenuated total reflection THz-TDS. , 2016, , .		0
93	Fabrication of micro-scale single-crystal silicon structures for efficient terahertz magnetic mirror. , 2016, , .		0
94	Fabry-perot cavity for sensing polar liquids at terahertz frequencies. , 2016, , .		0
95	Reflective terahertz optics using 3D-printed metals. , 2016, , .		0
96	Dielectric Resonator Reflectarray as High-Efficiency Nonuniform Terahertz Metasurface. ACS Photonics, 2016, 3, 1019-1026.	6.6	82
97	Compact Second-Order Bandstop Filter Based on Dual-Mode Complementary Split-Ring Resonator. IEEE Microwave and Wireless Components Letters, 2016, 26, 571-573.	3.2	31
98	Analysis of 3D-printed metal for rapid-prototyped reflective terahertz optics. Optics Express, 2016, 24, 17384.	3.4	24
99	Nanoscale TiO <sub>2</sub> dielectric resonator absorbers. Optics Letters, 2016, 41, 3391.	3.3	36
100	High-efficiency dielectric resonator antennas in the terahertz range. , 2016, , .		0
101	Tunable bandpass frequency selective surface with embedded biasing. , 2016, , .		1
102	Microwave microfluidic sensor based on microstrip-line-coupled complementary resonator. , 2016, , .		9
103	Silicon terahertz resonators. , 2016, , .		0
104	Terahertz and optical Dielectric Resonator Antennas: Potential and challenges for efficient designs. , 2016, , .		7
105	Attenuated Total Reflection Terahertz Time-Domain Spectroscopy: Uncertainty Analysis and Reduction Scheme. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 32-39.	3.1	29
106	Varactor-Tunable Second-Order Bandpass Frequency-Selective Surface With Embedded Bias Network. IEEE Transactions on Antennas and Propagation, 2016, 64, 1672-1680.	5.1	133
107	Mechanically Tunable Dielectric Resonator Metasurfaces at Visible Frequencies. ACS Nano, 2016, 10, 133-141.	14.6	255
108	Terahertz Magnetic Mirror Realized with Dielectric Resonator Antennas. Advanced Materials, 2015, 27, 7137-7144.	21.0	63

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109	Flexible metasurfaces and metamaterials: A review of materials and fabrication processes at micro- and nano-scales. Applied Physics Reviews, 2015, 2, 011303.	11.3	303
110	Ultrabroadband Plasmonic Absorber for Terahertz Waves. Advanced Optical Materials, 2015, 3, 376-380.	7.3	98
111	Microfluidic-based Split-Ring-Resonator Sensor for Real-time and Label-free Biosensing. Procedia Engineering, 2015, 120, 163-166.	1.2	27
112	Nano-scale dielectric resonator antennas as building blocks for efficient manipulation of light. , 2015, , .		0
113	Circularly polarized terahertz leaky-wave antenna with metamaterial scatterers. , 2015, , .		0
114	Terahertz broadband reflectarray with parallel elliptical dipoles. , 2015, , .		0
115	Passive electric monopole array for terahertz surface wave launcher. , 2015, , .		1
116	Terahertz bandpass frequency selective surface with improved out-of-band response. , 2015, , .		6
117	Modified elastomeric polymers for loss reduction in the terahertz range. , 2015, , .		0
118	Higher-order tunable frequency selective surface with miniaturized elements. , 2015, , .		12
119	Microwave microfluidic sensor for determination of glucose concentration in water. , 2015, , .		72
120	Real-time and label-free biosensing with microfluidic-based split-ring-resonator sensor. , 2015, , .		4
121	Resonance breakdown of dielectric resonator antennas on ground plane at visible frequencies. , 2015, , .		2
122	Terahertz plasmonic Bessel beamformer. Applied Physics Letters, 2015, 106, .	3.3	38
123	Plasmonics: Ultrabroadband Plasmonic Absorber for Terahertz Waves (Advanced Optical Materials) Tj ETQq1 1 0.784314 rgBT <sub>0</sub> /Overlock	7.3	98
124	Directional excitation of surface plasmons by dielectric resonators. Physical Review B, 2015, 91, .	3.2	16
125	Flexible bi-layer terahertz chiral metamaterials. Journal of Optics (United Kingdom), 2015, 17, 085101.	2.2	8
126	Doped polymer for low-loss dielectric material in the terahertz range. Optical Materials Express, 2015, 5, 1373.	3.0	26

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127	Second-Order Terahertz Bandpass Frequency Selective Surface With Miniaturized Elements. IEEE Transactions on Terahertz Science and Technology, 2015, 5, 761-769.	3.1	92
128	Polarization-dependent thin-film wire-grid reflectarray for terahertz waves. Applied Physics Letters, 2015, 107, .	3.3	25
129	Spectral and angular characteristics of dielectric resonator metasurface at optical frequencies. Applied Physics Letters, 2014, 105, 191109.	3.3	19
130	Terahertz reflectarray for bidirectional beam splitting. , 2014, , .		2
131	Broadband plasmonic terahertz absorber based on silicon cross structures. , 2014, , .		1
132	Second-order bandpass frequency selective surface for terahertz applications. , 2014, , .		8
133	Plasmonic Absorber Based on Nano-scale Dielectric Resonator Antennas. , 2014, , .		2
134	Terahertz vector bessel beams generated by plasmonic waveguide scattering. , 2014, , .		1
135	Lower bound of sample thickness in terahertz time-domain spectroscopy. , 2014, , .		0
136	Terahertz reflectarray as a polarizing beam splitter. Optics Express, 2014, 22, 16148.	3.4	111
137	Broadband terahertz reflective linear polarization convertor. , 2014, , .		1
138	Dual-mode behavior of the complementary electric-LC resonators loaded on transmission line: Analysis and applications. Journal of Applied Physics, 2014, 116, .	2.5	46
139	Design of polarization-dependent reflectarray for terahertz waves. , 2014, , .		0
140	Dielectric resonator nano-antennas: A pathway to efficient optical antennas. , 2014, , .		0
141	Design of dual-band frequency selective surface with miniaturized elements. , 2014, , .		22
142	Ultrabroadband reflective polarization convertor for terahertz waves. Applied Physics Letters, 2014, 105, 181111.	3.3	186
143	Hybrid metasurface for ultra-broadband terahertz modulation. Applied Physics Letters, 2014, 105, .	3.3	38
144	Ultra-broadband terahertz modulation by active hybrid metamaterials. , 2014, , .		0

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145	Dielectric hole lattice for terahertz diffractive optics with high transmission. , 2014, , .		0
146	Bandpass filters based on coupled split ring resonators for surface waves on planar Goubau lines. , 2014, , .		5
147	Limitation in thin-film sensing with transmission-mode terahertz time-domain spectroscopy. Optics Express, 2014, 22, 972.	3.4	55
148	Compact Dual-Mode Wideband Filter Based on Complementary Split-Ring Resonator. IEEE Microwave and Wireless Components Letters, 2014, 24, 152-154.	3.2	35
149	Fundamentals of Measurement in Terahertz Time-Domain Spectroscopy. Journal of Infrared, Millimeter, and Terahertz Waves, 2014, 35, 610-637.	2.2	193
150	High-Sensitivity Metamaterial-Inspired Sensor for Microfluidic Dielectric Characterization. IEEE Sensors Journal, 2014, 14, 1345-1351.	4.7	531
151	Ultrasensitive terahertz sensing with high- $Q$ Fano resonances in metasurfaces. Applied Physics Letters, 2014, 105, .	3.3	536
152	Photonic crystal traps THz waves. Nature Photonics, 2014, 8, 586-587.	31.4	12
153	Compressing onto a single pixel. Nature Photonics, 2014, 8, 593-594.	31.4	11
154	Efficiency and Scalability of Dielectric Resonator Antennas at Optical Frequencies. IEEE Photonics Journal, 2014, 6, 1-10.	2.0	14
155	Metamaterial-Inspired Rotation Sensor With Wide Dynamic Range. IEEE Sensors Journal, 2014, 14, 2609-2614.	4.7	140
156	Plasmonic Resonance toward Terahertz Perfect Absorbers. ACS Photonics, 2014, 1, 625-630.	6.6	75
157	Rapid detection of hairline cracks on the surface of piezoelectric ceramics. International Journal of Advanced Manufacturing Technology, 2013, 64, 1275-1283.	3.0	16
158	Metamaterial-Inspired Bandpass Filters for Terahertz Surface Waves on Goubau Lines. IEEE Transactions on Terahertz Science and Technology, 2013, 3, 851-858.	3.1	51
159	Comparison between an optical dielectric resonator nano-antenna reflectarray and an equivalent dielectric grating reflector. , 2013, , .		0
160	Dielectric resonator nanoantennas at visible frequencies. Optics Express, 2013, 21, 1344.	3.4	187
161	Mechanically tunable terahertz metamaterials. Applied Physics Letters, 2013, 102, .	3.3	142
162	Terahertz Localized Surface Plasmon Resonances in Coaxial Microcavities. Advanced Optical Materials, 2013, 1, 443-448.	7.3	24

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163	Dual-Mode Terahertz Time-Domain Spectroscopy System. IEEE Transactions on Terahertz Science and Technology, 2013, 3, 216-220.	3.1	16
164	Metamaterial-based microfluidic sensor for dielectric characterization. Sensors and Actuators A: Physical, 2013, 189, 233-237.	4.1	351
165	Beam deflection lens at terahertz frequencies using a hole lattice metamaterial. , 2013, , .		4
166	Analysis and design of planar dipole array for terahertz magnetic surface wave propagation. , 2013, , .		1
167	Tunable electric-LC resonators using liquid crystal. , 2013, , .		13
168	Flexible terahertz metamaterials for dual-axis strain sensing. Optics Letters, 2013, 38, 2104.	3.3	59
169	Plasmonics: Terahertz Localized Surface Plasmon Resonances in Coaxial Microcavities (Advanced) Tj ETQq1 1 0.784314 rgBT 0/Overloc	7.3	0
170	Interlayer tuning of X-band frequency-selective surface using liquid crystal. , 2013, , .		22
171	Experimental demonstration of reflectarray antennas at terahertz frequencies. Optics Express, 2013, 21, 2875.	3.4	124
172	Near-field interactions in electric inductiveâ€“capacitive resonators for metamaterials. Journal Physics D: Applied Physics, 2012, 45, 485101.	2.8	11
173	Distributed source model for the full-wave electromagnetic simulation of nonlinear terahertz generation. Optics Express, 2012, 20, 18397.	3.4	17
174	Metamaterial-Inspired Multichannel Thin-Film Sensor. IEEE Sensors Journal, 2012, 12, 1455-1458.	4.7	99
175	Terahertz magnetic plasmon waveguides. , 2012, , .		1
176	Design and analysis of a metasurface for supporting spoof surface plasmon polaritons. , 2012, , .		1
177	Sub-diffraction thin-film sensing with planar terahertz metamaterials. Optics Express, 2012, 20, 3345.	3.4	100
178	Design and implementation of terahertz reflectarray. , 2012, , .		3
179	Planar terahertz metamaterials for strain sensing. , 2012, , .		0
180	Metamaterial-inspired microfluidic-based sensor for chemical discrimination. , 2012, , .		6

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181	Practical method for determining inductance and capacitance of metamaterial resonators. Electronics Letters, 2012, 48, 225.	1.0	6
182	Elastomeric silicone substrates for terahertz fishnet metamaterials. Applied Physics Letters, 2012, 100, .	3.3	70
183	A Review on Thin-film Sensing with Terahertz Waves. Journal of Infrared, Millimeter, and Terahertz Waves, 2012, 33, 245-291.	2.2	199
184	Planar Array of Electric- $LC$ Resonators With Broadband Tunability. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 577-580.	4.0	56
185	Metamaterial-based strain sensors. , 2011, , .		8
186	Compact wideband filter element-based on complementary split-ring resonators. Proceedings of SPIE, 2011, , .	0.8	6
187	A Systemized View of Superluminal Wave Propagation. Proceedings of the IEEE, 2010, 98, 1775-1786.	21.3	36
188	Modeling terahertz heating effects on water. Optics Express, 2010, 18, 4727.	3.4	60
189	Compact electric- $LC$ resonators for metamaterials. Optics Express, 2010, 18, 25912.	3.4	78
190	Measurement of linearity in THz-TDS. , 2009, , .		6
191	Metamaterials in the Terahertz Regime. IEEE Photonics Journal, 2009, 1, 99-118.	2.0	295
192	Quarter-wavelength multilayer interference filter for terahertz waves. Optics Communications, 2008, 281, 2374-2379.	2.1	62
193	Uncertainty in terahertz time-domain spectroscopy measurement. Journal of the Optical Society of America B: Optical Physics, 2008, 25, 1059.	2.1	142
194	Material thickness optimization for transmission-mode terahertz time-domain spectroscopy. Optics Express, 2008, 16, 7382.	3.4	81
195	Gas recognition with terahertz time-domain spectroscopy and reference-free spectrum: A preliminary study. , 2008, , .		4
196	Survey of terahertz metamaterial devices. , 2008, , .		2
197	Numerical removal of water vapour effects from terahertz time-domain spectroscopy measurements. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2008, 464, 2435-2456.	2.1	46
198	Optimization of material thickness for THz-TDS. , 2008, , .		0

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199	Analysis of measurement uncertainty in THz-TDS. Proceedings of SPIE, 2007, , .	0.8	21
200	THz time-domain spectroscopy uncertainties. , 2007, , .		0
201	T-ray multilayer interference filter. , 2007, , .		0
202	Transmission characteristics of T-ray multilayer interference filters. Proceedings of SPIE, 2007, , .	0.8	0
203	Removal of water-vapor-induced fluctuations in T-ray signals: a preliminary study. , 2007, , .		2
204	Gas recognition with terahertz time-domain spectroscopy and spectral catalog: a preliminary study. Proceedings of SPIE, 2007, , .	0.8	17
205	T-Ray Sensing and Imaging. Proceedings of the IEEE, 2007, 95, 1528-1558.	21.3	154
206	Classification of osteosarcoma T-ray responses using adaptive and rational wavelets for feature extraction. , 2007, , .		2
207	Retrofittable antireflection coatings for T-rays. Microwave and Optical Technology Letters, 2007, 49, 2267-2270.	1.4	7
208	Retrofittable T-ray antireflection coatings. , 2006, , .		1
209	Thickness Determination for Homogeneous Dielectric Materials through THz-TDS. , 2006, , .		0
210	DIRECT FABRY-PÉROT EFFECT REMOVAL. Fluctuation and Noise Letters, 2006, 06, L227-L239.	1.5	18
211	Simple material parameter estimation via terahertz time-domain spectroscopy. Electronics Letters, 2005, 41, 800.	1.0	26
212	3D Modeling from Using Spiral Cone-Beam Trajectory. , 2005, , .		1
213	Ultrasonic Diffraction Tomography by Pulse-Plane Wave: Experimental Result by Frequency Synthesis Method. , 2005, 2005, 1822-5.		0
214	Material parameter extraction for terahertz time-domain spectroscopy using fixed-point iteration. , 2005, , .		34
215	T-rays in biomedicine and security. , 2005, , .		0
216	T-ray relevant frequencies for osteosarcoma classification. , 2005, , .		6

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217	3D shape recovery based on tomography. , 0, , .		2
218	Ultrasonic refractive index and sound velocity tomography. , 0, , .		5
219	Hardware-accelerated objective function evaluation for medical image registration. , 0, , .		2
220	Non-linear image registration using perspective invariant and thin-plate spine. , 0, , .		0
221	3D shape extraction of large object using photographic tomography. , 0, , .		3