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Terahertz Spectroscopy and Imaging

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#	Paper	IF	Citations
111	Deflection of a monochromatic THz beam by acousto-optic methods. 2013 , 43, 1139-1142		16
110	Terahertz Non-destructive Evaluation of Layered Media with the Maximum Likelihood Estimator. 2014 ,		1
109	Terahertz Non-destructive Evaluation of Textile Ropes and Slings. 2014 ,		2
108	The growth of biomedical terahertz research. 2014 , 47, 374009		79
107	Review of Terahertz Tomography Techniques. 2014 , 35, 382-411		142
106	Characterizing the beam properties of terahertz quantum-cascade lasers. 2014 , 35, 686-698		12
105	Terahertz Time-Domain Spectroscopy of Thin Films and Surfaces. 2014 , 35, 680-685		
104	Theoretical investigation on generating terahertz radiation from gas plasma induced by three-color ultrashort lasers. 2015 , 24, 088703		1
103	Uncooled rectifying and resistive type sub-THz direct detection detectors. Upper limit performance. 2015 ,		
102	Demonstration of high-resolution doping profile mapping using terahertz time domain spectroscopy with electrochemical anodization. 2015 ,		
101	Time-domain terahertz spectrometer for angular reflection measurements. 2015 , 605, 012026		1
100	Measurement of Refractive Index and Absorption Coefficient of Congruent and Stoichiometric Lithium Niobate in the Terahertz Range. 2015 , 36, 1203-1209		38
99	Photoluminescence and terahertz generation in InGaN/GaN multiple quantum well light-emitting diode heterostructures under laser excitation. 2015 , 252, 946-951		3
98	Probing phase transitions in simvastatin with terahertz time-domain spectroscopy. 2015 , 12, 810-5		24
97	Markets, Availability, Notice, and Technical Performance of Terahertz Systems: Historic Development, Present, and Trends. 2015 , 36, 235-254		42
96	Terahertz time-domain and low-frequency Raman spectroscopy of organic materials. 2015 , 69, 1-25		113
95	Photoconductive response of a single Au nanorod coupled to LaAlO ₃ /SrTiO ₃ nanowires. 2015 , 106, 211101		6

94	Terahertz response of a polymer composite with high concentration of silicon micro- and nanoparticles. 2015 , 10, 247-253	5
93	Measurement of spatio-temporal field distribution of THz pulses in electro-optic crystal by interferometry method. 2015 , 45, 434-436	4
92	Accurate simulation of terahertz transmission through doped silicon junctions. 2015 ,	
91	Extinction characteristic of graphite smoke for terahertz wave. 2016 ,	
90	Majolica imaging with THz waves: preliminary results. 2016 , 122, 1	7
89	Visualization of Photoexcited Carrier Responses in a Solar Cell Using Optical Pump-Terahertz Emission Probe Technique. 2016 , 37, 498-506	4
88	Pharmaceutical Terahertz Spectroscopy and Imaging. 2016 , 171-222	12
87	Parabolic Equation Methods for Terahertz 3-D Synthetic Aperture Imaging. 2016 , 6, 784-792	2
86	Continuous-wave terahertz reflective off-axis digital holography. 2016 ,	1
85	Selective Pyroelectric Detection of Millimetre Waves Using Ultra-Thin Metasurface Absorbers. 2016 , 6, 21079	43
84	Influence of Particle Size on Optical Constants From Pellets Measured With Terahertz Pulsed Spectroscopy. 2016 , 6, 408-413	9
83	Pulsed Coherent Teragraphy: Imaging in the Terahertz Frequency Range. 2016 , 58, 1420-1430	2
82	Contrast in Terahertz Images of Archival Documents Part II: Influence of Topographic Features. 2017 , 38, 467-482	3
81	Broad- and Narrow-Line Terahertz Filtering in Frequency-Selective Surfaces Patterned on Thin Low-Loss Polymer Substrates. 2017 , 23, 1-8	36
80	Electrically controlled terahertz magneto-optical phenomena in continuous and patterned graphene. 2017 , 8, 14626	68
79	Terahertz in-line digital holographic multiplane imaging method. 2017 ,	
78	Analysis of granular packing structure by scattering of THz radiation. 2017 , 88, 051802	7
77	Simulation Framework for a 3-D High-Resolution Imaging Radar at 300 GHz with a Scattering Model Based on Rendering Techniques. 2017 , 7, 404-414	5

76	Suppression of terahertz dipole oscillation in split-ring resonators deformed from square to triangle. 2017 , 123, 1	4
75	The 2017 terahertz science and technology roadmap. 2017 , 50, 043001	724
74	Terahertz dielectric properties of multiwalled carbon nanotube/polyethylene composites. 2017 , 4, 106201	18
73	Electrochemical THz-SERS Observation of Thiol Monolayers on Au(111) and (100) Using Nanoparticle-assisted Gap-Mode Plasmon Excitation. 2017 , 8, 4236-4240	20
72	Comparison of Free Space Measurement Using a Vector Network Analyzer and Low-Cost-Type THz-TDS Measurement Methods Between 75 and 325 GHz. 2017 , 38, 1241-1251	12
71	Spinning disk as a spatial light modulator for rapid infrared imaging. 2017 , 11, 317-323	
70	Terahertz time-domain spectroscopy of edible oils. 2017 , 4, 170275	6
69	Examination of Painting on Metal Support by Terahertz Time-Domain Imaging. 2017 , 38, 1278-1287	4
68	Terahertz frequency-selective surface and guided-mode resonance filters. 2017 ,	0
67	Exploring THz hollow-core fiber designs manufactured by 3D printing. 2017 ,	3
66	Techniques for THz beams evaluations. 2017 ,	1
65	Near-perfect terahertz wave amplitude modulation enabled by impedance matching in VO ₂ thin films. 2018 , 112, 081103	44
64	Mapping the lattice-vibration potential using terahertz pulses. 2018 , 51, 035403	1
63	Evolution of terahertz dielectric permittivity of rubber during thermo-oxidative aging. 2018 , 60, 127-134	2
62	A comparative study of single-wire and hollow metallic waveguides for terahertz waves. 2018 , 8, 115028	3
61	Ultra-Thin Metasurface Absorbers for Subterahertz Band: Theoretical Aspects and Detector Applications. 2018 ,	2
60	. 2018 ,	2
59	Theoretical Assessment of a Porous Core Photonic Crystal Fiber for Terahertz Wave Propagation. 2018 ,	6

58	Performance Comparison of Time-Domain Terahertz, Multi-terahertz, and Fourier Transform Infrared Spectroscopies. 2018 , 39, 1249-1263	3
57	A terahertz pump mega-electron-volt ultrafast electron diffraction probe apparatus at the SLAC Accelerator Structure Test Area facility. 2018 , 13, P06014-P06014	9
56	Cobalt-Based Ferrites Characterization Using Two Different Terahertz Time-Domain Spectrometers. 2018 , 39, 1127-1139	1
55	Polarization control using passive and active crossed graphene gratings. 2018 , 26, 1882-1894	23
54	Time-domain imaging system in the terahertz range for immovable cultural heritage materials. 2019 , 55, e12292	3
53	Implementation of Terahertz High-Pass Filters Based on All-Metal Microstructures using Deep X-ray Lithography. 2019 , 55, 115-125	0
52	Use of Terahertz Spectroscopy for in vivo Studies of Lymphedema Development Dynamics. 2019 , 126, 523-529	1
51	Low-Frequency Vibrational Modes of Nylon 6 Studied by Using Infrared and Raman Spectroscopies and Density Functional Theory Calculations. 2019 , 123, 5368-5376	15
50	Recent Advances in Molecular Spectroscopy of Electronic and Vibrational Transitions in Condensed Phase and Its Application to Chemistry. 2019 , 92, 629-654	20
49	Application of a robotic THz imaging system for sub-surface analysis of ancient human remains. 2019 , 9, 3390	35
48	Quantum-mechanical models for calculating the electrical characteristics of semiconductor 2-d structures for technological optimization of nanoelectronics devices based on them. 2019 , 1410, 012194	
47	Study of Automatic Detection of Concealed Targets in Passive Terahertz Images for Intelligent Security Screening. 2019 , 9, 165-176	14
46	Noninvasive Analytical and Diagnostic Technologies for Studying Early Renaissance Wall Paintings. 2020 , 41, 669-693	2
45	Terahertz Spectroscopy for Characterization of Hydrogen Bonding and Cross-linked Structure Dynamics in Polyurethane. 2020 , 41, 265-275	6
44	Non-destructive quantification of fragmentation within tablets after compression from scattering analysis of terahertz transmission measurements. 2020 , 588, 119769	11
43	Broadband operation of active terahertz quarter-wave plate achieved with vanadium-dioxide-based metasurface switchable by current injection. 2020 , 117, 091102	7
42	Doomed Couple of Diamond with Terahertz Frequency: Hyperfine Quality Discrimination and Complex Dielectric Responses of Diamond in the Terahertz Waveband. 2020 , 2, 1459-1469	4
41	A New mm-Wave Multiple-Band Single-Pole Multiple-Throw Switch With Variable Transmission Lines. 2020 , 68, 2551-2561	1

40	Polarization Effects of Electro-optic Sampling and Over-rotation for High Field THz Detection. 2020 , 41, 880-893	2
39	The Gyrotrons as Promising Radiation Sources for THz Sensing and Imaging. 2020 , 10, 980	26
38	Numerical Performance Analysis of Terahertz Spectroscopy Using an Ultra-Sensitive Resonance-Based Sensor. 2020 , 8,	1
37	Investigating the Layer Structure and Insect Tunneling on a Wooden Putto Using Robotic-Based THz Tomography. 2020 , 10, 343-347	7
36	Spectroscopic Methods in Solid-state Characterization. 2021 , 27-95	1
35	A Review of the Concept, Applications and Implementation Issues of Terahertz Spectral Imaging Technique. 1-19	10
34	Terahertzes impulzusok előállításának mikrostrukturált lithium-niobát kristályban. 2021 ,	
33	THz irradiation inhibits cell division by affecting actin dynamics.	0
32	THz Detection of Biomolecules in Aqueous Environments Status and Perspectives for Analysis Under Physiological Conditions and Clinical use. 2021 , 42, 607-646	1
31	Terahertz Permittivity of Pressed ZnO and CuO Powder in Polyethylene Pellets: Effect of Porosity. 2021 , 11, 402-407	0
30	A Review of the Terahertz Conductivity and Photoconductivity of Carbon Nanotubes and Heteronanotubes. 2101042	8
29	Indoor passive sensing for detecting hidden objects under clothing. 2021 ,	
28	Spintronic terahertz emitter. 2021 , 129, 010901	11
27	A technique to enhance the bandwidth in terahertz reflectarrays. 2021 , 20, 593-603	
26	Medical diagnosis using NIR and THz tissue imaging and machine learning methods. 2019 ,	2
25	High-resolution 3D microwave imaging of a moving target using optical motion capture. 2019 ,	6
24	Terahertz emission from magnetic thin film and patterned heterostructures. 2019 ,	4
23	Designing and manufacturing aspherical polystyrene lenses for the terahertz region. 2018 , 21, 83-88	2

- 22 Recent Advances in Terahertz Time-Domain Spectroscopy and Imaging Techniques for Automation in Agriculture and Food Sector. **1** 4
- 21 Polymer Spectroscopy [Spectroscopy from the Far-Ultraviolet to Far-Infrared/Terahertz and Raman Spectroscopy. **2021**, 1-44
- 20 PSi Substrates for Raman, Terahertz, and Atomic Absorption Spectroscopy. **2015**, 265-277
- 19 Applications of Optomechatronic Technologies in Innovative Industry. **2018**, 543-553 1
- 18 Introduction. **2018**, 1-52
- 17 Analytical model of Gouy phase influence in terahertz time-domain spectroscopy. **2018**,
- 16 Development of 3D-Structure Fabrication Technology for Terahertz Optics Production. **2019**, 47, 356
- 15 Handheld millimeter-wave radar and lidar systems using an IMU device. **2019**, 1
- 14 Variation in the electromagnetic signatures of the human skin with physical activity and hydration level of the skin. **2019**, 0
- 13 Comparison of various liquids as sources of terahertz radiation from one-color laser filament. **2019**, 0
- 12 Cocrystallization: An innovative route toward better medication. **2020**, 9, 256 0
- 11 Advances in Molecular Spectroscopy in Condensed Phase and Quantum Chemistry. *Molecular Science*, **2020**, 14, A0114 0
- 10 Recent progress in terahertz metamaterial modulators. *Nanophotonics*, **2022**, 6.3 7
- 9 Investigation of the Negative Effect of the Surrounding Dielectric on the Antenna on the Spectral Response of the THz Antenna Detector. *International Journal of Optics and Photonics*, **2021**, 15, 187-196 ^{0.1}
- 8 Controlling polarization of spintronic THz emitter by remanent magnetization texture. **2022**, 121, 052401
- 7 Terahertz Electronic Devices. **2023**, 807-849 0
- 6 Study of the transmission line for Israeli THz free-electron radiation source. **2022**, 29, 113301 0
- 5 Effect of Kerr Nonlinearity on the Formation of Few-Cycle Optical Terahertz Solitons. **2022**, 86, 1427-1433 0

- 4 Versatile and active THz wave polarization modulators using metamaterial/graphene resonators. 5, 0
- 3 The 2023 terahertz science and technology roadmap. **2023**, 56, 223001 1
- 2 Metamaterial-based terahertz converter. **2022**, 8, 149-155 0
- 1 Imaging Cultural Heritage at Different Scales: Part I, the Micro-Scale (Manufacts). **2023**, 15, 2586 0