

# Masayoshi Tonouchi

## List of Publications by Year in descending order

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531  
papers

12,416  
citations

71061

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29127

104  
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544  
all docs

544  
docs citations

544  
times ranked

9043  
citing authors

#	ARTICLE	IF	CITATIONS
1	Scanning point terahertz source microscopy of unstained comedo ductal carcinoma in situ. , 2022, 1, 527.		5
2	Non-Drude-Type Response of Photocarriers in Fe-Doped $\hat{\Gamma}^2$ -Ga <sub>2</sub> O <sub>3</sub> Crystal. Photonics, 2022, 9, 233.	0.9	3
3	I-design terahertz microfluidic chip for attomole-level sensing. JPhys Photonics, 2022, 4, 034005.	2.2	5
4	Instantaneous PhotocARRIER Transport at the Interface in Perovskite Solar Cells to Generate Photovoltage. Photonics, 2022, 9, 316.	0.9	2
5	Slow optical response of semi-insulating GaN film studied by terahertz emission and photoluminescence spectroscopy. Journal of Applied Physics, 2022, 131, .	1.1	4
6	Laser terahertz emission microscopy revealing the local fluctuation of terahertz generation induced by Te inclusion. Applied Physics Letters, 2021, 118, 131113.	1.5	0
7	Characterization of through-silicon vias using laser terahertz emission microscopy. Nature Electronics, 2021, 4, 202-207.	13.1	21
8	Monolithic microcavity second harmonic generation device using low birefringence paraelectric material without polarity-inverted structure. Applied Physics Express, 2021, 14, 061004.	1.1	3
9	Label-Free Observation of Micrometric Inhomogeneity of Human Breast Cancer Cell Density Using Terahertz Near-Field Microscopy. Photonics, 2021, 8, 151.	0.9	12
10	Ultrafast Terahertz Nanoseismology of GaInN/GaN Multiple Quantum Wells. Advanced Optical Materials, 2021, 9, 2100258.	3.6	8
11	Electromagnetic Response of SiO <sub>2</sub> @Fe <sub>3</sub> O <sub>4</sub> Core-Shell Nanostructures in the THz Regime. IEEE Transactions on Magnetism, 2021, 57, 1-6.	1.2	0
12	Observation of the Terahertz Pulse Shaping Due to Intensity-Induced Additional Phase in Two-Color Filaments. Journal of Infrared, Millimeter, and Terahertz Waves, 2021, 42, 647-655.	1.2	3
13	Terahertz emission spectroscopy of GaN-based heterostructures. Journal of Applied Physics, 2021, 129, 245702.	1.1	4
14	Understanding terahertz emission properties from a metal-insulator-semiconductor structure upon femtosecond laser illumination. Journal of Applied Physics, 2021, 130, .	1.1	12
15	Probing the surface potential of SiO <sub>2</sub> /4H-SiC(0001) by terahertz emission spectroscopy. Journal of Applied Physics, 2021, 130, 115305.	1.1	4
16	Intensity-dependent self-induced dual-color laser phase modulation and its effect on terahertz generation. Scientific Reports, 2021, 11, 498.	1.6	5
17	Surface-Emitting THz Generation in Two-Dimensional Quasi-Phase-Matching Structure. , 2021, , .		0
18	Development of a 3D Imaging System Using Millimeter Wave MIMO Radar. , 2021, , .		1

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19	Laser Terahertz Emission Microscope as a Killer Tool. , 2021, , .		0
20	A better understanding of terahertz emission from semiconductor surfaces with a phased-array effect. AIP Advances, 2021, 11, .	0.6	8
21	Terahertz Emission Functionality of High-Temperature Superconductors and Similar Complex Systems. Advanced Optical Materials, 2020, 8, 1900892.	3.6	31
22	Terahertz Electrodynamics in Transition Metal Oxides. Advanced Optical Materials, 2020, 8, 1900958.	3.6	33
23	Terahertz Emission Spectroscopy and Microscopy on Ultrawide Bandgap Semiconductor $\hat{I}^2$ -Ga <sub>2</sub> O <sub>3</sub> . Photonics, 2020, 7, 73.	0.9	15
24	Terahertz Spectroscopy Tracks Proteolysis by a Joint Analysis of Absorptance and Debye Model. Biophysical Journal, 2020, 119, 2469-2482.	0.2	10
25	Ultrafast spatiotemporal photocarrier dynamics near GaN surfaces studied by terahertz emission spectroscopy. Scientific Reports, 2020, 10, 14633.	1.6	19
26	Terahertz Excitonics in Carbon Nanotubes: Exciton Autoionization and Multiplication. Nano Letters, 2020, 20, 3098-3105.	4.5	21
27	Editorial Introduction to the Special Issue: Real-World Applications of THz Systems. Journal of Infrared, Millimeter, and Terahertz Waves, 2020, 41, 341-342.	1.2	0
28	Simplified formulas for the generation of terahertz waves from semiconductor surfaces excited with a femtosecond laser. Journal of Applied Physics, 2020, 127, .	1.1	28
29	Terahertz near-field microscopy of ductal carcinoma in situ (DCIS) of the breast. JPhys Photonics, 2020, 2, 044008.	2.2	23
30	Low-temperature GaAs-based plasmonic photoconductive terahertz detector with Au nano-islands. Photonics Research, 2020, 8, 1448.	3.4	8
31	Sensitivity-enhanced Terahertz Microfluidic Chip Sensor Based on a Fano Resonance of a Few Arrays of Meta-atoms. , 2020, , .		1
32	Development of terahertz optical sources for an excitation wavelength of 1.56 $\hat{I}^4$ m. , 2020, , .		0
33	Scanning point terahertz source for biosensing. , 2020, , .		0
34	Scanning Point Terahertz Source Microscope and Terahertz Microfluidic Chip for Biological Applications. , 2020, , .		2
35	Impact of optical absorption for THz radiation in GaSb/InAs heterostructures. , 2020, , .		0
36	Scanning laser terahertz near-field reflection imaging system. Applied Physics Express, 2019, 12, 122005.	1.1	21

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37	An ultrasensitive terahertz microfluidic chip based on Fano resonance of a few arrays of meta-atoms. , 2019, , .		0
38	Evaluation of Ga <sub>2</sub> O <sub>3</sub> Surface Potential using Laser THz emission Microscopy. , 2019, , .		0
39	Noncontact evaluation of electrical passivation of oxidized silicon using laser terahertz emission microscope and corona charging. Journal of Applied Physics, 2019, 125, .	1.1	13
40	Nearly Single-Cycle Terahertz Pulse Generation in Aperiodically Poled Lithium Niobate. Photonics, 2019, 6, 9.	0.9	6
41	Terahertz Technology for Medical, Pharmaceutical, and Bio Sensing. Nippon Laser Igakkaishi, 2019, 39, 325-328.	0.0	0
42	High-sensitivity photoconductive detectors with wide dipole electrodes for low frequency THz wave detection. Journal of Applied Physics, 2019, 125, 151610.	1.1	5
43	A Terahertz-Microfluidic Chip with a Few Arrays of Asymmetric Meta-Atoms for the Ultra-Trace Sensing of Solutions. Photonics, 2019, 6, 12.	0.9	37
44	Generation of a Few Cycle Terahertz Pulse in Aperiodically Poled Lithium Niobate by Sequence of Pump Pulses. , 2019, , .		0
45	Observation of Bi <sub>2</sub> Te <sub>3</sub> /Te striped structures using microscope. , 2019, , .		0
46	A Terahertz Microfluidic Chip for Ultra-trace Biosensing. Nippon Laser Igakkaishi, 2019, 39, 329-334.	0.0	2
47	Scanning laser terahertz near-field reflection microscope for biological analysis. , 2019, , .		0
48	Pulse Sequence for Nearly Single-Cycle Terahertz Pulse Generation in Aperiodically Poled Lithium Niobate. , 2019, , .		0
49	An ultra-high sensitive THz microfluidic chip with asymmetric meta-atoms for measurements of trace amount of liquid solutions. , 2019, , .		0
50	Y-Ba-Cu-O semiconducting pyroelectric thermal sensors: design and test of near-infrared amorphous thin film detectors and extension to antenna-coupled THz devices. , 2019, , .		1
51	Invited Article: Terahertz microfluidic chips sensitivity-enhanced with a few arrays of meta-atoms. APL Photonics, 2018, 3, .	3.0	55
52	Enhanced Terahertz Radiation from GaSb/InAs Heterostructures. , 2018, , .		0
53	Temperature and Substrate Dependent Conductivities of CVD Graphene measured by Terahertz Time-Domain Spectroscopy. , 2018, , .		0
54	Semiconducting Y-Ba-Cu-O Uncooled Detectors: Feasibility of THz Pyroelectric Sensing. , 2018, , .		1

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55	Development of PDMS Microchannel Integrated Type Terahertz Chip. , 2018, , .		1
56	Control of dipole properties in high-k and SiO <sub>2</sub> stacks on Si substrates with tricolor superstructure. Applied Physics Letters, 2018, 113, .	1.5	10
57	Prospect for Terahertz Technology. Oleoscience, 2018, 18, 435-439.	0.0	0
58	Terahertz microfluidic chip sensitivity-enhanced with a few arrays of meta atoms. , 2018, , .		2
59	Reflection type scanning laser terahertz near-field spectroscopy and imaging system for bio-applications. , 2018, , .		0
60	Polarization imaging of imperfect <i>m</i> -plane GaN surfaces. APL Photonics, 2017, 2, 041304.	3.0	28
61	Tunable electromagnetically induced transparency from a superconducting terahertz metamaterial. Applied Physics Letters, 2017, 110, .	1.5	36
62	Design of a Multistep Phase Mask for High-Energy Terahertz Pulse Generation by Optical Rectification. Journal of Infrared, Millimeter, and Terahertz Waves, 2017, 38, 1439-1447.	1.2	13
63	Probing the surface potential of oxidized silicon by assessing terahertz emission. Applied Physics Letters, 2017, 110, .	1.5	30
64	Adsorption energy of oxygen molecules on graphene and two-dimensional tungsten disulfide. Scientific Reports, 2017, 7, 1774.	1.6	62
65	Direct Measurements of Terahertz Meta-atoms with Near-Field Emission of Terahertz Waves. Journal of Infrared, Millimeter, and Terahertz Waves, 2017, 38, 1107-1119.	1.2	19
66	Zero-field steps and coherent emission of externally heated long Josephson junctions. Superconductor Science and Technology, 2017, 30, 014004.	1.8	8
67	Introduction to Issue on Terahertz Photonics. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 1-3.	1.9	1
68	A Small Aperture Terahertz Chip for Ultra-trace Blood Glucose Level Measurement. , 2017, , .		0
69	Study for Enhancement of Terahertz Radiation Using GaSb/InAs Heterostructures. Journal of Physics: Conference Series, 2017, 906, 012015.	0.3	2
70	Measurable lower limit of thin film conductivity with parallel plate waveguide terahertz time domain spectroscopy. Optics Letters, 2017, 42, 3056.	1.7	6
71	High Efficient Terahertz Generation Using Tilted-Pulse-Front Photoexcitation of Semiconductor Surface. , 2017, , .		0
72	Imaging Polarization in GaN Surfaces by Laser Terahertz Emission Microscopy. , 2017, , .		0

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73	Study on local oxygen absorption/desorption dynamics onto 2D materials probed by potential-sensitive THz radiation. , 2016, , .		0
74	Study of photoexcited-carrier dynamics in GaAs photoconductive switches using dynamic terahertz emission microscopy. Photonics Research, 2016, 4, A9.	3.4	19
75	Study of photoexcited-carrier dynamics in GaAs photoconductive switches using dynamic terahertz emission microscopy: publisher's note. Photonics Research, 2016, 4, 208.	3.4	2
76	THz conductivity of semi-insulating and magnetic CoFe <sub>2</sub> O <sub>4</sub> nano-hollow structures through thermally activated polaron. Journal of Applied Physics, 2016, 120, 203901.	1.1	5
77	Temperature programmed desorption measurements of oxygen molecules in 2D materials using laser terahertz emission microscopy. , 2016, , .		0
78	Evaluation of SiO <sub>2</sub> @CoFe <sub>2</sub> O <sub>4</sub> nano-hollow spheres through THz pulses. AIP Conference Proceedings, 2016, , .	0.3	1
79	Parallel plate waveguide terahertz time domain spectroscopy for 2D materials. , 2016, , .		0
80	Detection of non-radiative defects in GaN by laser THz emission microscopy. , 2016, , .		0
81	Parallel plate waveguide time domain spectroscopy to study terahertz conductivity of ultrathin materials. Proceedings of SPIE, 2016, , .	0.8	1
82	Visualization of Photoexcited Carrier Responses in a Solar Cell Using Optical Pump-Triggered Terahertz Emission Probe Technique. Journal of Infrared, Millimeter, and Terahertz Waves, 2016, 37, 498-506.	1.2	6
83	Probing low-density carriers in a single atomic layer using terahertz parallel-plate waveguides. Optics Express, 2016, 24, 3885.	1.7	7
84	Effect of Oxygen Adsorbates on Terahertz Emission Properties of Various Semiconductor Surfaces Covered with Graphene. Journal of Infrared, Millimeter, and Terahertz Waves, 2016, 37, 1117-1123.	1.2	10
85	Laser THz Emission Spectroscopy of Gas Adsorption-Desorption Dynamics in Tungsten Disulfide Nanosheets. E-Journal of Surface Science and Nanotechnology, 2016, 14, 78-82.	0.1	2
86	LSI Failure Analysis Using Laser Terahertz Emission Microscope. Journal of the Japan Society for Precision Engineering, 2016, 82, 225-229.	0.0	0
87	Magnetic resonance of terahertz metamaterials in parallel plate waveguides. Applied Physics Express, 2016, 9, 032002.	1.1	4
88	Terahertz Emission Imaging of the Selected Subcells Deep Inside Tandem Solar Cells. , 2016, , .		0
89	Development of THz-TAS for measurement of Trace amount of liquid. , 2016, , .		0
90	Evaluation of Si-SiO <sub>x</sub> Interface using Laser Terahertz Emission Microscope (LTEM). , 2016, , .		0

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91	Terahertz Parallel Plate Waveguide to Evaluate Electrical Transport Properties of 2D Materials. , 2016, , .		0
92	Evaluation of Local Adsorption Energy of Oxygen on Graphene using Laser THz Emission Spectroscopy. , 2016, , .		0
93	Laser Terahertz Emission Spectroscopy of Graphene/InAs Junctions. Materials Research Society Symposia Proceedings, 2015, 1808, 1-7.	0.1	0
94	Visualization of GaN surface potential using terahertz emission enhanced by local defects. Scientific Reports, 2015, 5, 13860.	1.6	29
95	The dynamic process and microscopic mechanism of extraordinary terahertz transmission through perforated superconducting films. Scientific Reports, 2015, 5, 15588.	1.6	8
96	Comparison between laser terahertz emission microscope and conventional methods for analysis of polycrystalline silicon solar cell. AIP Advances, 2015, 5, .	0.6	21
97	Evaluation of trace amounts of liquid using THz waves. , 2015, , .		0
98	Acoustic vibration induced high electromagnetic responses of Fe <sub>3</sub> O <sub>4</sub> nano-hollow spheres in the THz regime. Journal Physics D: Applied Physics, 2015, 48, 245301.	1.3	13
99	Development of nonlinear THz metamaterial induced by intense THz field. , 2015, , .		0
100	Parallel-Plate Waveguide Terahertz Time Domain Spectroscopy for Ultrathin Conductive Films. Journal of Infrared, Millimeter, and Terahertz Waves, 2015, 36, 1182-1194.	1.2	10
101	Terahertz radiations from triple junction solar cells excited by wavelength-tunable laser pulses. , 2015, , .		0
102	Nonlinear response and ultrafast dynamics from superconducting thin films and metamaterials. , 2015, , .		0
103	Laser terahertz emission microscope and its application. , 2015, , .		0
104	Reflection Layer Mediated Enhancement of Terahertz Radiation Utilizing Heavily-Doped InAs Thin Films. Journal of Infrared, Millimeter, and Terahertz Waves, 2015, 36, 423-429.	1.2	6
105	Characterization of Terahertz Imagers Using a Narrowband Time-Domain Terahertz Radiation and Detection System. IEICE Transactions on Electronics, 2015, E98.C, 1128-1130.	0.3	1
106	Evaluation of Solar Cell Using Terahertz Time-Domain Spectroscopy. Physical Science International Journal, 2015, 6, 96-102.	0.3	3
107	Enhancement of THz emission from GaN surface by Ga vacancy-related defects. , 2015, , .		0
108	Laser scanning terahertz imaging system for material science and industrial applications. , 2014, , .		0

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109	Scanning laser THz imaging system. Journal Physics D: Applied Physics, 2014, 47, 374007.	1.3	53
110	Analysis of various kinds of solar cell using Dynamic Terahertz Emission Microscope. , 2014, , .		1
111	Observation of Change of Moisture Retention of Single Human Hairs using THz Waves. , 2014, , .		0
112	Special Section Guest Editorial: Terahertz Physics and Applications. Optical Engineering, 2014, 53, 031201.	0.5	2
113	Nonlinear terahertz superconducting plasmonics. Applied Physics Letters, 2014, 105, 162602.	1.5	12
114	Dielectric properties of (Ba,Sr)TiO <sub>3</sub> thin films in MHz and THz frequency regions: Quantitative evaluation of the orientational polarization. Japanese Journal of Applied Physics, 2014, 53, 09PD06.	0.8	9
115	Tunable narrowband terahertz generation by optical rectification in single domain lithium niobate crystal. , 2014, , .		0
116	Imaging molecular adsorption and desorption dynamics on graphene using terahertz emission spectroscopy. Scientific Reports, 2014, 4, 6046.	1.6	25
117	Sate-of-the-Art of Terahertz Science and Technology. Springer Series in Optical Sciences, 2014, , 153-166.	0.5	0
118	Study on terahertz emission and optical/terahertz pulse responses with superconductors. Superconductor Science and Technology, 2013, 26, 093002.	1.8	22
119	Plasmon-induced transparency in metamaterials: Active near field coupling between bright superconducting and dark metallic mode resonators. Applied Physics Letters, 2013, 103, .	1.5	182
120	Anisotropy-induced crossover from Drude conductivity to charge-density-wave excitations in a stripe-type charge-ordered manganite. Physical Review B, 2013, 87, .	1.1	13
121	Terahertz-Pulse Radiation Properties of Oxygen-Deficient YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> Thin Films. Journal of Infrared, Millimeter, and Terahertz Waves, 2013, 34, 573-585.	1.2	0
122	Distribution variation of carbon black in tensile-tested rubbers estimated by terahertz time-domain spectroscopy. , 2013, , .		0
123	Terahertz near-field detection of liquid by a scanning laser terahertz imaging system. , 2013, , .		0
124	Surface carrier recombination of optically excited silicon studied by terahertz time-domain spectroscopy. , 2013, , .		0
125	Tunable narrowband terahertz generation by optical rectification in lithium niobate. , 2013, , .		0
126	Evaluation of interfacial water on super-hydrophilic surface by THz-TDS. , 2013, , .		0



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127	Bulk crystals of stilbazolium derivative DAST and DASC for terahertz-wave generation. , 2013, , .		0
128	Collective antenna effects in the terahertz and infrared response of highly aligned carbon nanotube arrays. Physical Review B, 2013, 87, .	1.1	52
129	Terahertz nonlinear superconducting metamaterials. Applied Physics Letters, 2013, 102, .	1.5	53
130	Perfect Broadband Terahertz Antireflection by Deep-Subwavelength, Thin, Lamellar Metallic Gratings. Advanced Optical Materials, 2013, 1, 910-914.	3.6	15
131	Tunable narrowband terahertz generation in lithium niobate crystals using a binary phase mask. Optics Letters, 2013, 38, 953.	1.7	18
132	Nondestructive evaluation of crystallized-particle size in lactose-powder by terahertz time-domain spectroscopy. Optical Engineering, 2013, 53, 031203.	0.5	10
133	Laser terahertz emission microscopy studies of a polysilicon solar cell under the illumination of continuous laser light. Optical Engineering, 2013, 53, 031204.	0.5	13
134	Nonlinear response of superconducting NbN thin film and NbN metamaterial induced by intense terahertz pulses. New Journal of Physics, 2013, 15, 055017.	1.2	27
135	Terahertz nanotechnology. Nanotechnology, 2013, 24, 210201-210201.	1.3	1
136	Evaluation of human hairs with terahertz wave. Optical Engineering, 2013, 53, 031205.	0.5	17
137	Broadband plasmon induced transparency in terahertz metamaterials. Nanotechnology, 2013, 24, 214003.	1.3	94
138	Terahertz fiber using polymer tube bundle. , 2013, , .		1
139	Geometry dependence of low-temperature grown GaAs photoconductive switches for terahertz detector. , 2013, , .		1
140	Terahertz waveguide using triangle bundle structure of polymer tubes. , 2013, , .		0
141	Observation of THz emissions from various types of solar cells using laser terahertz emission microscope. , 2013, , .		0
142	Terahertz emission from graphene-coated InP (100) surface. , 2013, , .		0
143	Scanning Laser THz Imaging System and Its Application. , 2013, , .		0
144	Terahertz Time-Domain Spectroscopy to Identify and Evaluate Anomer in Lactose. American Journal of Analytical Chemistry, 2013, 04, 756-762.	0.3	20

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145	Investigation of Photoexcited Carrier Responses in a Solar Cell with a Dynamic Terahertz Emission Microscope. , 2013, , .		0
146	Terahertz generation by optical rectification in lithium niobate crystal using a shadow mask. Optics Express, 2012, 20, 25752.	1.7	21
147	Imaging of a Polycrystalline Silicon Solar Cell Using a Laser Terahertz Emission Microscope. Applied Physics Express, 2012, 5, 112301.	1.1	54
148	Low-loss terahertz metamaterial from superconducting niobium nitride films. Optics Express, 2012, 20, 42.	1.7	53
149	Bandwidth tunable THz wave generation in large-area periodically poled lithium niobate. Optics Express, 2012, 20, 8784.	1.7	30
150	Distributed source model for the full-wave electromagnetic simulation of nonlinear terahertz generation. Optics Express, 2012, 20, 18397.	1.7	17
151	Scanning laser terahertz near-field imaging system. Optics Express, 2012, 20, 12959.	1.7	73
152	Ferroelectric Soft Mode in a $\text{SrTiO}_3$ Thin Film Impulsively Driven to the Anharmonic Regime Using Intense Picosecond Terahertz Pulses. Physical Review Letters, 2012, 108, 097401.	2.9	140
153	Reflective Terahertz Time-Domain Spectroscopy Measurement on the Stripe-Ordered Superconductor $\text{La}_{1.84-y}\text{Nd}_y\text{Sr}_{0.16}\text{CuO}_4$ . Journal of the Physical Society of Japan, 2012, 81, SB034.	0.7	1
154	Imaging of Local Photo-excited Current in Solar Cell Using a Laser Terahertz Emission Microscope. , 2012, , .		0
155	Properties of $\text{In}_x\text{Ga}_{1-x}\text{N}$ films in terahertz range. Applied Physics Letters, 2012, 100, .	1.5	6
156	Analysis of Linewidth Tunable Terahertz Wave Generation in Periodically Poled Lithium Niobate. Journal of Infrared, Millimeter, and Terahertz Waves, 2012, 33, 989-998.	1.2	7
157	Pair-breaking in superconducting NbN films induced by intense THz field. Journal of Infrared, Millimeter, and Terahertz Waves, 2012, 33, 1071-1075.	1.2	14
158	Sub-diffraction thin-film sensing with planar terahertz metamaterials. Optics Express, 2012, 20, 3345.	1.7	100
159	A reflection layer for enhanced THz radiation from InAs thin films. , 2012, , .		0
160	Terahertz generation in quasi-phase-matching structure formed by a phase mask. Optics Letters, 2012, 37, 4155.	1.7	10
161	Broadband Terahertz Polarizers with Ideal Performance Based on Aligned Carbon Nanotube Stacks. Nano Letters, 2012, 12, 787-790.	4.5	153
162	Terahertz and Infrared Spectroscopy of Gated Large-Area Graphene. Nano Letters, 2012, 12, 3711-3715.	4.5	235

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163	Charge density wave excitations in stripe-type charge ordered Pr <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> manganite. Applied Physics Letters, 2012, 101, .	1.5	9
164	Tunable Terahertz Filter Using an Etalon with a Nematic Liquid Crystal Layer and its Response Speed. Molecular Crystals and Liquid Crystals, 2012, 561, 82-88.	0.4	8
165	Narrowband Terahertz Wave Generation by Optical Rectification in Large-Area Periodically Poled Crystal. , 2012, , .		0
166	Terahertz Dynamics of Quantum-Confined Electrons in Carbon Nanomaterials. Journal of Infrared, Millimeter, and Terahertz Waves, 2012, 33, 846-860.	1.2	22
167	Strain-Induced Ferroelectricity of a SrTiO <sub>3</sub> Thin Film on a MgAl <sub>2</sub> O <sub>4</sub> Substrate Observed by Terahertz Time-Domain Spectroscopy. Journal of Infrared, Millimeter, and Terahertz Waves, 2012, 33, 67-73.	1.2	6
168	Scanning Laser Two-Dimensional Terahertz Emission Imaging System. The Review of Laser Engineering, 2012, 40, 496.	0.0	0
169	Evaluation of two-dimensional terahertz emitters for scanning laser terahertz imaging system using 1.56 μm femtosecond fiber laser. , 2011, , .		0
170	Strain induced conductivity change of SrRuO <sub>3</sub> thin films observed by terahertz time-domain spectroscopy. , 2011, , .		0
171	Fiber-connected terahertz time-domain spectroscopy system. , 2011, , .		0
172	Evaluation of organic crystal DASC and DAST for THz difference frequency generation using a cr: Forsterite laser. , 2011, , .		0
173	Scanning laser terahertz imaging system using a 1.56 μm femtosecond fiber laser. , 2011, , .		0
174	Depth measurement of Through-Silicon Via using THz Time-Domain Spectroscopy. , 2011, , .		0
175	Laser terahertz emission microscope. Proceedings of SPIE, 2011, , .	0.8	2
176	THz emission characteristics from p/n junctions with metal lines under non-bias conditions for LSI failure analysis. Optics Express, 2011, 19, 10864.	1.7	23
177	Time- and Frequency-Domain Imaging of Dynamics in Terahertz Meta-Atoms. , 2011, , .		0
178	Determination of stereoisomer in sugars by THz-TDS. Proceedings of SPIE, 2011, , .	0.8	1
179	InP and InGaAs Schottky-type terahertz emitter excited at a wavelength of 1560 nm. Proceedings of SPIE, 2011, , .	0.8	0
180	Sub-Wavelength Plasmonic Mode Confinement in Semiconductor-Cap-Dielectric Waveguide in THz range. , 2011, , .		1

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181	Intense Terahertz Radiation from InAs Thin Films. Journal of Infrared, Millimeter, and Terahertz Waves, 2011, 32, 646-654.	1.2	16
182	Terahertz Generation and Optical Properties of Lithium Ternary Chalcogenide Crystals. Journal of Infrared, Millimeter, and Terahertz Waves, 2011, 32, 426-433.	1.2	5
183	Nondestructive Evaluation of Rubber Compounds by Terahertz Time-Domain Spectroscopy. Journal of Infrared, Millimeter, and Terahertz Waves, 2011, 32, 1457-1463.	1.2	22
184	Non-electrical-contact LSI failure analysis using non-bias laser terahertz emission microscope. , 2011, , .		2
185	Frequency and time mapping of terahertz meta-atoms. , 2011, , .		0
186	Cherenkov phase-matched tunable THz-wave radiation from a lithium niobate crystal excited by a dual wavelength cr:Forsterite Laser. , 2011, , .		0
187	New Organic Nonlinear Optical Crystal BDAS-TP for Terahertz Applications. , 2010, , .		0
188	Sate-of-Art of Terahertz Science and Technology. Journal of the Vacuum Society of Japan, 2010, 53, 296-300.	0.3	0
189	Chemical imaging of &#x03BC;-TAS using terahertz chemical microscope. , 2010, , .		0
190	Development of laser scanning terahertz imaging system using organic nonlinear optical crystal. , 2010, , .		2
191	Terahertz emission from InP photoconductive antenna excited by a 1.56 &#x00B5;m femtosecond fiber laser. , 2010, , .		2
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