

Goutam Chattopadhyay

List of Publications by Year in descending order

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169
papers

5,529
citations

94433
37
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88630
70
g-index

171
all docs

171
docs citations

171
times ranked

3555
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Large Array of Single-Photon Counting Quantum Capacitance Detectors. IEEE Transactions on Terahertz Science and Technology, 2022, 12, 211-216. | 3.1 | 3 |
| 2 | Multibeam Si/GaAs Holographic Metasurface Antenna at <i><math>\langle i \rangle W \langle /i \rangle</math></i> -Band. IEEE Transactions on Antennas and Propagation, 2021, 69, 3523-3528. | 5.1 | 20 |
| 3 | Wideband Multimode Leaky-Wave Feed for Scanning Lens-Phased Array at Submillimeter Wavelengths. IEEE Transactions on Terahertz Science and Technology, 2021, 11, 205-217. | 3.1 | 27 |
| 4 | Sub-Orbital Flight Demonstration of a 183/540-600 GHz Hybrid CMOS-InP and CMOS-Schottky-MEMS Limb-Sounder. IEEE Journal of Microwaves, 2021, 1, 560-573. | 6.5 | 4 |
| 5 | Dual Local Oscillator SIS Receiver for Simultaneous Observations of Water Isotopologues in the Solar System. IEEE Transactions on Terahertz Science and Technology, 2021, 11, 183-193. | 3.1 | 1 |
| 6 | A Low-Loss Silicon MEMS Phase Shifter Operating in the 550-GHz Band. IEEE Transactions on Terahertz Science and Technology, 2021, 11, 477-485. | 3.1 | 10 |
| 7 | 180-GHz Pulsed CMOS Transmitter for Molecular Sensing. IEEE Transactions on Terahertz Science and Technology, 2021, 11, 469-476. | 3.1 | 9 |
| 8 | Guest Editorial: Special Cluster on Recent Advances in Antennas for Earth and Planetary Science. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 2083-2084. | 4.0 | 2 |
| 9 | Loss Studies For Waveguide Based E- and H-plane Bandpass Filters at Terahertz Frequencies. , 2021, , . | | 0 |
| 10 | Multilayer Etched Antireflective Structures for Silicon Vacuum Windows. Journal of Low Temperature Physics, 2020, 199, 935-942. | 1.4 | 4 |
| 11 | Flat Low-Loss Silicon Gradient Index Lens for Millimeter and Submillimeter Wavelengths. Journal of Low Temperature Physics, 2020, 199, 376-383. | 1.4 | 3 |
| 12 | Micromachining for Advanced Terahertz: Interconnects and Packaging Techniques at Terahertz Frequencies. IEEE Microwave Magazine, 2020, 21, 18-34. | 0.8 | 22 |
| 13 | Towards a Si/GaAs Based Flat-Panel Quasi-Optical Metasurface Antenna with Switchable Beam Characteristics. , 2020, , . | | 0 |
| 14 | Quantum Limited SIS Receiver Technology for the Detection of Water Isotopologue Emission From Comets. IEEE Transactions on Terahertz Science and Technology, 2020, 10, 569-582. | 3.1 | 4 |
| 15 | Interconnects Over 100 GHz [From the Guest Editors' Desk]. IEEE Microwave Magazine, 2020, 21, 17-124. | 0.8 | 0 |
| 16 | Metal-only modulated metasurface antenna for Cubesat platforms. , 2019, , . | | 2 |
| 17 | Advanced CubeSat Antennas for Deep Space and Earth Science Missions: A review. IEEE Antennas and Propagation Magazine, 2019, 61, 37-46. | 1.4 | 67 |
| 18 | A 183-GHz InP/CMOS-Hybrid Heterodyne-Spectrometer for Spaceborne Atmospheric Remote Sensing. IEEE Transactions on Terahertz Science and Technology, 2019, 9, 313-334. | 3.1 | 25 |

| # | ARTICLE | IF | CITATIONS |
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| 19 | Some recent developments on modulated metasurface antennas. , 2019, , . | 1 | |
| 20 | Fabrication of Devices and Antennas for Millimeter-Wave and Terahertz Systems. , 2019, , . | 0 | |
| 21 | Design of a Quasi-Optical Si/GaAs W-Band Beam-Forming Metasurface Antenna. , 2019, , . | 0 | |
| 22 | Point-Spread-Function (PSF) Characterization of a 340-GHz Imaging Radar Using Acoustic Levitation. IEEE Transactions on Terahertz Science and Technology, 2019, 9, 20-26. | 3.1 | 8 |
| 23 | Beam Scanning of Silicon Lens Antennas Using Integrated Piezomotors at Submillimeter Wavelengths. IEEE Transactions on Terahertz Science and Technology, 2019, 9, 47-54. | 3.1 | 41 |
| 24 | From microwaves to submillimeter waves: modern advances in computational imaging, radar, and future trends. , 2019, , . | 2 | |
| 25 | Beam resolution analysis of a 340 GHz radar using acoustic levitation. , 2019, , . | 0 | |
| 26 | A <math notation="LaTeX">K_{\{u\}}</math> <math notation="LaTeX">K_{\{u\}}</math>-Band CMOS FMCW Radar Transceiver for Snowpack Remote Sensing. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 2480-2494. | 4.6 | 17 |
| 27 | A 177â€“205 GHz 249 mW CMOS-Based Integer-N Frequency Synthesizer Module for Planetary Exploration. IEEE Transactions on Terahertz Science and Technology, 2018, 8, 251-254. | 3.1 | 13 |
| 28 | Terahertz Antennas and Feeds. Signals and Communication Technology, 2018, , 335-386. | 0.5 | 4 |
| 29 | A Compact Room-Temperature 510â€“560 GHz Frequency Tripler with 30-mW Output Power. , 2018, , . | 4 | |
| 30 | A Compact Room-Temperature 510-560 GHz Frequency Tripler with 30-mW Output Power. , 2018, , . | 2 | |
| 31 | A New Generation of Room-Temperature Frequency-Multiplied Sources With up to 10â€“ Higher Outputâ‰¤Powerâ‰¤inâ‰¤theâ‰¤160-GHzâ€“1.6-THzâ‰¤Range. IEEE Transactions on Terahertz Science and Technology, 2018, 8, 596-604. | | |
| 32 | Additive Manufactured Metal-Only Modulated Metasurface Antennas. IEEE Transactions on Antennas and Propagation, 2018, 66, 6106-6114. | 5.1 | 67 |
| 33 | A 460 GHz MEMS-Based Single-Pole Double-Throw Waveguide Switch. , 2018, , . | 3 | |
| 34 | Retrieval of wind, temperature, water vapor and other trace constituents in the Martian Atmosphere. Planetary and Space Science, 2018, 161, 26-40. | 1.7 | 4 |
| 35 | A Programmable Cryogenic Waveguide Calibration Load With Exceptional Temporal Response and Linearity. IEEE Transactions on Terahertz Science and Technology, 2018, 8, 434-445. | 3.1 | 2 |
| 36 | 16:1 bandwidth two-layer antireflection structure for silicon matched to the 190â€“310â‰¤â‰¤GHz atmospheric window. Applied Optics, 2018, 57, 5196. | 1.8 | 22 |

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|----|--|------|-----------|
| 37 | DDFS and "Approaches for Fractional Frequency Synthesis in Terahertz Instruments. IEEE Transactions on Terahertz Science and Technology, 2018, 8, 410-417. | 3.1 | 14 |
| 38 | Multibeam by Metasurface Antennas. IEEE Transactions on Antennas and Propagation, 2017, 65, 2923-2930. | 5.1 | 155 |
| 39 | Micromachined Packaging for Terahertz Systems. Proceedings of the IEEE, 2017, 105, 1139-1150. | 21.3 | 52 |
| 40 | A 500-750 GHz RF MEMS Waveguide Switch. IEEE Transactions on Terahertz Science and Technology, 2017, 7, 326-334. | 3.1 | 49 |
| 41 | Development of Silicon Micromachined Microlens Antennas at 1.9 THz. IEEE Transactions on Terahertz Science and Technology, 2017, 7, 191-198. | 3.1 | 32 |
| 42 | Submillimeter InP MMIC Low-Noise Amplifier Gain Stability Characterization. IEEE Transactions on Terahertz Science and Technology, 2017, 7, 335-346. | 3.1 | 8 |
| 43 | Interconnect and packaging technologies for terahertz communication systems. , 2017, , . | 1 | |
| 44 | Design, fabrication and testing of a modulated metasurface antenna at 300 GHz. , 2017, , . | 23 | |
| 45 | Shared aperture metasurface antennas for multibeam patterns. , 2017, , . | 10 | |
| 46 | Antireflective textured silicon optics at millimeter and submillimeter wavelengths. , 2017, , . | 0 | |
| 47 | A 340 GHz cryogenic amplifier based spectrometer for space based atmospheric science applications. , 2017, , . | 3 | |
| 48 | Corrugated (2 Å— 2) silicon platelets horn antenna array at 560 GHz. , 2017, , . | 2 | |
| 49 | 670 GHz FMCW radar for imaging and science applications. , 2017, , . | 2 | |
| 50 | Efficiency Optimization of Spherical Reflectors by Feed Position Adjustment. IEEE Antennas and Wireless Propagation Letters, 2017, , 1-1. | 4.0 | 3 |
| 51 | Terahertz Instruments for CubeSats. , 2017, , . | 3 | |
| 52 | A 700-GHz MEMS Waveguide Switch. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 641-643. | 3.1 | 18 |
| 53 | Development of W-band horn antennas using 3D printing technologies. , 2016, , . | 4 | |
| 54 | A 640 GHz MMIC-based sideband-separating receiver for atmospheric science. , 2016, , . | 0 | |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Silicon micromachined components at 1THz and beyond. , 2016, , . | 1 | |
| 56 | Silicon micromachined terahertz spectrometer instruments. , 2016, , . | 2 | |
| 57 | Evaluation of 3D printing technology for corrugated horn antenna manufacturing. , 2016, , . | 23 | |
| 58 | Submillimeter-Wave 3.3-bit RF MEMS Phase Shifter Integrated in Micromachined Waveguide. IEEE Transactions on Terahertz Science and Technology, 2016, , 1-10. | 3.1 | 37 |
| 59 | CMOS system-on-chip techniques in millimeter-wave/THz instruments and communications for planetary exploration. , 2016, 54, 176-182. | | 13 |
| 60 | Micro-lens antenna integrated in a silicon micromachined receiver at 1.9 THz. , 2016, , . | | 5 |
| 61 | A class of silicon micromachined metasurface for the design of high-gain terahertz antennas. , 2016, , . | | 15 |
| 62 | Multiple beam shared aperture modulated metasurface antennas. , 2016, , . | | 8 |
| 63 | A Multistep DRIE Process for Complex Terahertz Waveguide Components. IEEE Transactions on Terahertz Science and Technology, 2016, , 1-6. | 3.1 | 41 |
| 64 | Thermal Characterization of Substrate Options for High-Power THz Multipliers Over a Broad Temperature Range. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 328-335. | 3.1 | 4 |
| 65 | A 230 GHz MMIC-Based Sideband Separating Receiver. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 141-147. | 3.1 | 11 |
| 66 | ANTENNA-COUPLED TES BOLOMETERS USED IN BICEP2,<i>Keck Array</i>, AND SPIDER. Astrophysical Journal, 2015, 812, 176. | 4.5 | 53 |
| 67 | A 2.2 GS/s 188mW spectrometer processor in 65nm CMOS for supporting low-power THz planetary instruments. , 2015, , . | | 11 |
| 68 | A 95 GHz centimeter scale precision confined pathway system-on-chip navigation processor for autonomous vehicles in 65nm CMOS. , 2015, , . | | 4 |
| 69 | Terahertz antennas and related optical components. , 2015, , . | | 0 |
| 70 | A Dual-Output 550 GHz frequency tripler featuring ultra-compact silicon micromachining packaging and enhanced power-handling capabilities. , 2015, , . | | 11 |
| 71 | Efficient analysis of metasurfaces in a planar layered medium. , 2015, , . | | 1 |
| 72 | 1.9-THz Multiflare Angle Horn Optimization for Space Instruments. IEEE Transactions on Terahertz Science and Technology, 2015, 5, 914-921. | 3.1 | 40 |

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| 73 | Efficient CMOS Systems With Beamâ€“Lead Interconnects for Space Instruments. IEEE Transactions on Terahertz Science and Technology, 2015, 5, 637-644. | 3.1 | 9 |
| 74 | Cryogenic amplifier based sideband separating receivers. , 2015, , . | | 0 |
| 75 | Terahertz antenna arrays with silicon micromachined-based microlens antenna and corrugated horns. , 2015, , . | | 20 |
| 76 | A Silicon Micromachined Eight-Pixel Transceiver Array for Submillimeter-Wave Radar. IEEE Transactions on Terahertz Science and Technology, 2015, 5, 197-206. | 3.1 | 77 |
| 77 | A WR4 Amplifier Module Chain With an 87 K Noise Temperature at 228 GHz. IEEE Microwave and Wireless Components Letters, 2015, 25, 58-60. | 3.2 | 11 |
| 78 | A High-Power 105â€“120 GHz Broadband On-Chip Power-Combined Frequency Tripler. IEEE Microwave and Wireless Components Letters, 2015, 25, 157-159. | 3.2 | 96 |
| 79 | Schottky Diode Based 1.2 THz Receivers Operating at Room-Temperature and Below for Planetary Atmospheric Sounding. IEEE Transactions on Terahertz Science and Technology, 2014, 4, 661-669. | 3.1 | 65 |
| 80 | Capability of broadband solid-state room-temperature coherent sources in the terahertz range. , 2014, , . | | 5 |
| 81 | Terahertz circuits, systems, and imaging instruments. , 2014, , . | | 2 |
| 82 | A 170–280 GHz InP HEMT low noise amplifier. , 2014, , . | | 6 |
| 83 | Terahertz antennas with silicon micromachined front-end. , 2014, , . | | 5 |
| 84 | A 65nm CMOS 140 GHz 27.3 dBm EIRP transmit array with membrane antenna for highly scalable multi-chip phase arrays. , 2014, , . | | 7 |
| 85 | Silicon micromachined waveguide components at 0.75 to 1.1 THz. , 2014, , . | | 12 |
| 86 | Submillimeter-Wave Radar: Solid-State System Design and Applications. IEEE Microwave Magazine, 2014, 15, 51-67. | 0.8 | 77 |
| 87 | Design and Performance of SuperSpec: An On-Chip, KID-Based, mm-Wavelength Spectrometer. Journal of Low Temperature Physics, 2014, 176, 657-662. | 1.4 | 26 |
| 88 | Measurement of Silicon Micromachined Waveguide Components at 500â€“750 GHz. IEEE Transactions on Terahertz Science and Technology, 2014, 4, 33-38. | 3.1 | 73 |
| 89 | A 94 GHz multi-casting data-link based on 3-D printing compatible dielectric ribbon interconnects. , 2014, , . | | 0 |
| 90 | Compact Duplexing for a 680-GHz Radar Using a Waveguide Orthomode Transducer. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 2833-2842. | 4.6 | 18 |

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| 91 | Development of a Wideband Compact Orthomode Transducer for the 180–270 GHz Band. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2014, 4, 634-636. | 3.1 | 33 |
| 92 | Cryogenic performance of HEMT amplifiers at 340GHz and 670GHz. , 2014, , . | | 4 |
| 93 | Optical Measurements of SuperSpec: A Millimeter-Wave On-Chip Spectrometer. <i>Journal of Low Temperature Physics</i> , 2014, 176, 841-847. | 1.4 | 15 |
| 94 | 6.4 mm Diameter silicon micromachined lens for THz dielectric antenna. , 2014, , . | | 4 |
| 95 | Silicon Micromachined Lens Antenna for THz Integrated Heterodyne Arrays. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2013, 3, 515-523. | 3.1 | 57 |
| 96 | Design Guidelines for a Terahertz Silicon Micro-Lens Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2013, 12, 84-87. | 4.0 | 29 |
| 97 | Silicon micromachining for terahertz component development. , 2013, , . | | 9 |
| 98 | Silicon Micromachined Canonical \$E\$-Plane and \$H\$-Plane Bandpass Filters at the Terahertz Band. <i>IEEE Microwave and Wireless Components Letters</i> , 2013, 23, 288-290. | 3.2 | 56 |
| 99 | Transceiver array development for submillimeter-wave imaging radars. , 2013, , . | | 8 |
| 100 | A 600 GHz Asymmetrical Orthogonal Mode Transducer. <i>IEEE Microwave and Wireless Components Letters</i> , 2013, 23, 569-571. | 3.2 | 27 |
| 101 | A tandem coupler for terahertz integrated circuits. , 2013, , . | | 2 |
| 102 | Local oscillator sub-systems for array receivers in the 1-3 THz range. , 2012, , . | | 4 |
| 103 | SuperSpec: design concept and circuit simulations. <i>Proceedings of SPIE</i> , 2012, , . | 0.8 | 13 |
| 104 | A Grating-Based Circular Polarization Duplexer for Submillimeter-Wave Transceivers. <i>IEEE Microwave and Wireless Components Letters</i> , 2012, 22, 108-110. | 3.2 | 28 |
| 105 | Terahertz science, technology, and communication. , 2012, , . | | 9 |
| 106 | Cryogenic amplifier based receivers at submillimeter wavelengths. , 2012, , . | | 3 |
| 107 | InP HEMT integrated circuits for Submillimeter Wave radiometers in earth remote sensing. , 2012, , . | | 8 |
| 108 | Curvature control of silicon microlens for THz dielectric antenna. , 2012, , . | | 4 |

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| 109 | Terahertz antenna for arrays of hundreds of pixels., 2012, , . | 1 | |
| 110 | Terahertz array receivers with integrated antennas., 2012, , . | 4 | |
| 111 | Frequency tunable electronic sources working at room temperature in the 1 to 3 THz band. Proceedings of SPIE, 2012, , . | 0.8 | 11 |
| 112 | Array technology for terahertz imaging. Proceedings of SPIE, 2012, , . | 0.8 | 12 |
| 113 | Electro-Thermal Model for Multi-Anode Schottky Diode Multipliers. IEEE Transactions on Terahertz Science and Technology, 2012, 2, 290-298. | 3.1 | 41 |
| 114 | Design and Characterization of a Room Temperature All-Solid-State Electronic Source Tunable From 2.48 to 2.75 THz. IEEE Transactions on Terahertz Science and Technology, 2012, 2, 177-185. | 3.1 | 123 |
| 115 | Silicon micromachined microlens array for THz antenna., 2011, , . | 2 | |
| 116 | Novel Terahertz Antenna Based on a Silicon Lens Fed by a Leaky Wave Enhanced Waveguide. IEEE Transactions on Antennas and Propagation, 2011, 59, 2160-2168. | 5.1 | 110 |
| 117 | Technology, Capabilities, and Performance of Low Power Terahertz Sources. IEEE Transactions on Terahertz Science and Technology, 2011, 1, 33-53. | 3.1 | 237 |
| 118 | Demonstration of a room temperature 2.48â€“2.75 THz coherent spectroscopy source. Review of Scientific Instruments, 2011, 82, 093105. | 1.3 | 75 |
| 119 | THz Imaging Radar for Standoff Personnel Screening. IEEE Transactions on Terahertz Science and Technology, 2011, 1, 169-182. | 3.1 | 802 |
| 120 | Imaging at a stand-off distance with terahertz FMCW radar., 2011, , . | 0 | |
| 121 | High power local oscillator sources for 1-2 THz., 2010, , . | 8 | |
| 122 | Schottky diode-based terahertz frequency multipliers and mixers. Comptes Rendus Physique, 2010, 11, 480-495. | 0.9 | 138 |
| 123 | Time-Delay Multiplexing of Two Beams in a Terahertz Imaging Radar. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 1999-2007. | 4.6 | 19 |
| 124 | Radiometer-on-a-chip: a path toward super-compact submillimeter-wave imaging arrays., 2010, , . | 9 | |
| 125 | Micro-lens antenna for integrated THz arrays., 2010, , . | 2 | |
| 126 | A waveguide orthomode transducer for 385-500 GHz. Proceedings of SPIE, 2010, , . | 0.8 | 7 |

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| 127 | A Frequency-Multiplied Source With More Than 1 mW of Power Across the 840–900-GHz Band. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010, 58, 1925–1932. | 4.6 | 156 |
| 128 | Submillimeter-Wave 90°-notch Polarization Twists for Integrated Waveguide Circuits. <i>IEEE Microwave and Wireless Components Letters</i> , 2010, 20, 592–594. | 3.2 | 19 |
| 129 | Design of a two-pixel 670 GHz imaging radar using a single Tx/Rx module. <i>Digest / IEEE Antennas and Propagation Society International Symposium</i> , 2009, , . | 0.0 | 0 |
| 130 | Broadband sources in the 1–3 THz range. , 2009, , . | | 7 |
| 131 | An Approach for Sub-Second Imaging of Concealed Objects Using Terahertz (THz) Radar. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2009, 30, 1297. | 2.2 | 46 |
| 132 | A 600 GHz imaging radar for concealed objects detection. , 2009, , . | | 19 |
| 133 | An Optical System for Body Imaging from a Distance Using Near-TeraHertz Frequencies. <i>Journal of Low Temperature Physics</i> , 2008, 151, 777–783. | 1.4 | 7 |
| 134 | A High-Resolution Imaging Radar at 580 GHz. <i>IEEE Microwave and Wireless Components Letters</i> , 2008, 18, 64–66. | 3.2 | 188 |
| 135 | Two-Port Vector Network Analyzer Measurements Up to 508 GHz. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2008, 57, 1166–1170. | 4.7 | 6 |
| 136 | A Submillimeter-Wave HEMT Amplifier Module With Integrated Waveguide Transitions Operating Above 300 GHz. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2008, 56, 1380–1388. | 4.6 | 169 |
| 137 | Tunable broadband frequency-multiplied terahertz sources. , 2008, , . | | 27 |
| 138 | Sensitive broadband SIS receivers for microwave limb sounding. , 2008, , . | | 2 |
| 139 | Deep Reactive Ion Etching based silicon micromachined components at terahertz frequencies for space applications. , 2008, , . | | 18 |
| 140 | In-phase power combining of submillimeter-wave multipliers. , 2008, , . | | 4 |
| 141 | Penetrating 3-D Imaging at 4- and 25-m Range Using a Submillimeter-Wave Radar. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2008, 56, 2771–2778. | 4.6 | 294 |
| 142 | Millimeter-wave wireless power transfer technology for space applications. , 2008, , . | | 12 |
| 143 | Terahertz Sources Based on Frequency Multiplication and Their Applications. <i>Frequenz</i> , 2008, 62, 118–122. | 0.9 | 37 |
| 144 | In-Phase Power-Combined Frequency Triplers at 300 GHz. <i>IEEE Microwave and Wireless Components Letters</i> , 2008, 18, 218–220. | 3.2 | 74 |

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| 145 | Concealed object contrast enhancement using radar methods in a submillimeter-wave active imager. , 2008, , . | 4 | |
| 146 | THZ Heterodyne Imaging Applications, Instruments and Directions. , 2008, , . | 0 | |
| 147 | Submillimeter-Wave Coherent and Incoherent Sensors for Space Applications. Lecture Notes in Electrical Engineering, 2008, , 387-414. | 0.4 | 7 |
| 148 | Planar antenna arrays for CMB polarization detection. , 2007, , . | 9 | |
| 149 | A 275-425-GHz Tunerless Waveguide Receiver Based on AlN-Barrier SIS Technology. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 2086-2096. | 4.6 | 29 |
| 150 | A 540-640-GHz high-efficiency four-anode frequency tripler. IEEE Transactions on Microwave Theory and Techniques, 2005, 53, 2835-2843. | 4.6 | 136 |
| 151 | Local oscillator chain for 1.55 to 1.75THz with 100-/spl mu/W peak power. IEEE Microwave and Wireless Components Letters, 2005, 15, 871-873. | 3.2 | 32 |
| 152 | A 1.7-1.9 THz local oscillator source. IEEE Microwave and Wireless Components Letters, 2004, 14, 253-255. | 3.2 | 90 |
| 153 | Heterodyne instrumentation upgrade at the Caltech Submillimeter Observatory. , 2004, , . | 12 | |
| 154 | An All-Solid-State Broad-Band Frequency Multiplier Chain at 1500 GHz. IEEE Transactions on Microwave Theory and Techniques, 2004, 52, 1538-1547. | 4.6 | 155 |
| 155 | Title is missing!. Journal of Infrared, Millimeter and Terahertz Waves, 2003, 24, 1485-1498. | 0.6 | 4 |
| 156 | Title is missing!. Journal of Infrared, Millimeter and Terahertz Waves, 2003, 24, 261-284. | 0.6 | 62 |
| 157 | Feed horn coupled bolometer arrays for spire-design, simulations, and measurements. IEEE Transactions on Microwave Theory and Techniques, 2003, 51, 2139-2146. | 4.6 | 26 |
| 158 | Terahertz local oscillator sources: performance and capabilities. , 2003, , . | 17 | |
| 159 | Frequency multiplier response to spurious signals and its effect on local oscillator systems in millimeter and submillimeter wavelengths. , 2003, , . | 5 | |
| 160 | Design and performance of feedhorn-coupled bolometer arrays for SPIRE. , 2003, , . | 13 | |
| 161 | Terahertz frequency multiplier chains based on planar Schottky diodes. , 2003, , . | 19 | |
| 162 | Numerical optimization of integrating cavities for diffraction-limited millimeter-wave bolometer arrays. Applied Optics, 2002, 41, 136. | 2.1 | 22 |

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| 163 | A broadband 800 GHz Schottky balanced doubler. IEEE Microwave and Wireless Components Letters, 2002, 12, 117-118. | 3.2 | 40 |
| 164 | A dual-polarized quasi-optical SIS mixer at 550 GHz. IEEE Transactions on Microwave Theory and Techniques, 2000, 48, 1680-1686. | 4.6 | 21 |
| 165 | A Low Noise NbTiN-Based 850 GHz SIS Receiver for the Caltech Submillimeter Observatory. Journal of Infrared, Millimeter and Terahertz Waves, 2000, 21, 1357-1373. | 0.6 | 15 |
| 166 | Noise Stability of SIS Receivers. Journal of Infrared, Millimeter and Terahertz Waves, 2000, 21, 689-716. | 0.6 | 49 |
| 167 | Low-Loss NbTiN Films for THz SIS Mixer Tuning Circuits. Journal of Infrared, Millimeter and Terahertz Waves, 1998, 19, 373-383. | 0.6 | 27 |
| 168 | <title>Development of SIS mixers for 1 THz</title>, 1998, ,. | | 17 |
| 169 | <title>Bolocam: a millimeter-wave bolometric camera</title>, 1998, ,. | | 62 |