# Patrick Mounaix

## List of Publications by Citations

**Source:** https://exaly.com/author-pdf/1636587/patrick-mounaix-publications-by-citations.pdf
**Version:** 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

| | | | |
|---|---|---|---|
| 153 papers | 2,425 citations | 25 h-index | 42 g-index |
| 242 ext. papers | 3,044 ext. citations | 2.8 avg, IF | 4.72 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 153 | Review of Terahertz Tomography Techniques. *Journal of Infrared, Millimeter, and Terahertz Waves*, **2014**, 35, 382-411 | 2.2 | 142 |
| 152 | Terahertz biophotonics as a tool for studies of dielectric and spectral properties of biological tissues and liquids. *Progress in Quantum Electronics*, **2018**, 62, 1-77 | 9.1 | 113 |
| 151 | Review in terahertz spectral analysis. *TrAC - Trends in Analytical Chemistry*, **2013**, 44, 98-105 | 14.6 | 109 |
| 150 | Ultra-flexible multiband terahertz metamaterial absorber for conformal geometry applications. *Optics Letters*, **2013**, 38, 4988-90 | 3 | 105 |
| 149 | Tunable terahertz metamaterials with negative permeability. *Physical Review B*, **2009**, 79, | 3.3 | 81 |
| 148 | Aeronautics composite material inspection with a terahertz time-domain spectroscopy system. *Optical Engineering*, **2013**, 53, 031208 | 1.1 | 71 |
| 147 | Investigation on reconstruction methods applied to 3D terahertz computed tomography. *Optics Express*, **2011**, 19, 5105-17 | 3.3 | 67 |
| 146 | Non-invasive investigation of art paintings by terahertz imaging. *Applied Physics A: Materials Science and Processing*, **2010**, 100, 585-590 | 2.6 | 66 |
| 145 | Three-Dimensional Silver Nanoparticle Formation Using Femtosecond Laser Irradiation in Phosphate Glasses: Analogy with Photography. *Advanced Functional Materials*, **2014**, 24, 5824-5832 | 15.6 | 62 |
| 144 | Chemometrics applied to quantitative analysis of ternary mixtures by terahertz spectroscopy. *Analytical Chemistry*, **2014**, 86, 4927-33 | 7.8 | 55 |
| 143 | Terahertz time-domain spectroscopy of films fabricated from SU-8. *Electronics Letters*, **1999**, 35, 243 | 1.1 | 53 |
| 142 | Broadband terahertz imaging of documents written with lead pencils. *Optics Communications*, **2009** , 282, 3104-3107 | 2 | 45 |
| 141 | Deformable magnetic mirror for adaptive optics: technological aspects. *Sensors and Actuators A: Physical*, **2001**, 89, 1-9 | 3.9 | 43 |
| 140 | Propagation beam consideration for 3D THz computed tomography. *Optics Express*, **2012**, 20, 5817-29 | 3.3 | 41 |
| 139 | Fabrication and performance of InP-based heterostructure barrier varactors in a 250-GHz waveguide tripler. *IEEE Transactions on Microwave Theory and Techniques*, **2000**, 48, 1000-1006 | 4.1 | 38 |
| 138 | Resonant magnetic response of TiO2 microspheres at terahertz frequencies. *Applied Physics Letters* , **2012**, 100, 061117 | 3.4 | 37 |
| 137 | Dielectric properties of conducting polyaniline films by THz time-domain spectroscopy. *European Polymer Journal*, **2008**, 44, 124-129 | 5.2 | 36 |

| | | | |
|---|---|---|---|
| 136 | Broadband dielectric terahertz metamaterials with negative permeability. *Optics Letters*, **2009**, 34, 3541-3 | 3 | 34 |
| 135 | Pilot study of freshly excised breast tissue response in the 300-600 GHz range. *Biomedical Optics Express*, **2018**, 9, 2930-2942 | 3.5 | 32 |
| 134 | Terahertz imaging and tomography as efficient instruments for testing polymer additive manufacturing objects. *Applied Optics*, **2016**, 55, 3462-7 | 0.2 | 32 |
| 133 | Refraction losses in terahertz computed tomography. *Optics Communications*, **2010**, 283, 2050-2055 | 2 | 31 |
| 132 | Effect of cathode spacer layer on the current-voltage characteristics of resonant tunneling diodes. *Applied Physics Letters*, **1990**, 57, 1517-1519 | 3.4 | 29 |
| 131 | Monolithic integrated circuits incorporating InP-based heterostructure barrier varactors. *IEEE Microwave and Wireless Components Letters*, **2002**, 12, 281-283 | 2.6 | 28 |
| 130 | Terahertz frequency modulated continuous wave imaging advanced data processing for art painting analysis. *Optics Express*, **2018**, 26, 5358-5367 | 3.3 | 27 |
| 129 | Advanced Processing Sequence for 3-D THz Imaging. *IEEE Transactions on Terahertz Science and Technology*, **2016**, 6, 191-198 | 3.4 | 26 |
| 128 | Terahertz dielectric characterisation of polymethacrylimide rigid foam: The perfect sheer plate?. *Electronics Letters*, **2004**, 40, 1167 | 1.1 | 25 |
| 127 | Plasma wave field effect transistor as a resonant detector for 1 terahertz imaging applications. *Optics Communications*, **2009**, 282, 3055-3058 | 2 | 24 |
| 126 | Art Painting Diagnostic Before Restoration with Terahertz and Millimeter Waves. *Journal of Infrared, Millimeter, and Terahertz Waves*, **2017**, 38, 369-379 | 2.2 | 23 |
| 125 | Small-signal impedance of GaAs-AlxGa1⊠ as resonant tunnelling heterostructures at microwave frequency. *Electronics Letters*, **1988**, 24, 1180 | 1.1 | 23 |
| 124 | Emission characteristics of ion-irradiated In(0.53)Ga(0.47)As based photoconductive antennas excited at 1.55 microm. *Optics Express*, **2007**, 15, 8943-50 | 3.3 | 22 |
| 123 | Materials with on-demand refractive indices in the terahertz range. *Optics Letters*, **2008**, 33, 2275-7 | 3 | 21 |
| 122 | A 128-Pixel System-on-a-Chip for Real-Time Super-Resolution Terahertz Near-Field Imaging. *IEEE Journal of Solid-State Circuits*, **2018**, 53, 3599-3612 | 5.5 | 21 |
| 121 | Terahertz metamolecules deposited on thin flexible polymer: design, fabrication and experimental characterization. *Journal of Optics (United Kingdom)*, **2014**, 16, 094014 | 1.7 | 20 |
| 120 | Near-field probing of Mie resonances in single TiO2 microspheres at terahertz frequencies. *Optics Express*, **2014**, 22, 23034-42 | 3.3 | 20 |
| 119 | Active optical control of the terahertz reflectivity of high-resistivity semiconductors. *Optics Letters*, **2005**, 30, 1992-4 | 3 | 20 |

| | | | |
|---|---|---|---|
| 118 | Determination of the mechanical properties of thin polyimide films deposited on a GaAs substrate by bulging and nanoindentation tests. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1999**, 262, 101-106 | 5.3 | 20 |
| 117 | Gas filter correlation instrument for air monitoring at submillimeter wavelengths. *Optics Letters*, **1999**, 24, 351-3 | 3 | 20 |
| 116 | Towards left-handed metamaterials using single-size dielectric resonators: The case of TiO2-disks at millimeter wavelengths. *Applied Physics Letters*, **2012**, 101, 042909 | 3.4 | 19 |
| 115 | Quantitative Analysis of Hexahydro-1,3,5-trinitro-1,3,5, Triazine/Pentaerythritol Tetranitrate (RDX-PETN) Mixtures by Terahertz Time Domain Spectroscopy. *Applied Spectroscopy*, **2015**, 69, 1464-71 | 3.1 | 18 |
| 114 | Dielectric characterization of [Fe(NH2Htrz)3]Br2H2O thermal spin crossover compound by terahertz time domain spectroscopy. *Applied Physics Letters*, **2005**, 87, 244103 | 3.4 | 18 |
| 113 | 5-mW and 5% efficiency 216-GHz InP-based heterostructure barrier varactor tripler **1998**, 8, 384-386 | | 17 |
| 112 | Characterization of non-linear Potassium crystals in the Terahertz frequency domain. *Optics Communications*, **2004**, 242, 631-639 | 2 | 17 |
| 111 | Photonic band gap material for integrated photonic application: technological challenges. *Microelectronic Engineering*, **2002**, 61-62, 537-544 | 2.5 | 17 |
| 110 | High performance InP-based heterostructure barrier varactors in single and stack configuration. *Electronics Letters*, **1996**, 32, 1417 | 1.1 | 17 |
| 109 | Shape-from-focus for real-time terahertz 3D imaging. *Optics Letters*, **2019**, 44, 483-486 | 3 | 17 |
| 108 | Optical phase detection in a 4-N,N-dimethylamino-4?-N?-methyl-stilbazolium tosylate crystal for terahertz time domain spectroscopy system at 1.55 μm wavelength. *Applied Physics Letters*, **2010**, 97, 111112 | 3.4 | 16 |
| 107 | High photocarrier mobility in ultrafast ion-irradiated In0.53Ga0.47As for terahertz applications. *Journal Physics D: Applied Physics*, **2009**, 42, 195103 | 3 | 16 |
| 106 | Terahertz radiation generated and detected by Br+-irradiated In0.53Ga0.47As photoconductive antenna excited at 800nm wavelength. *Applied Physics Letters*, **2006**, 89, 083519 | 3.4 | 16 |
| 105 | Record performance of a 250 GHz InP-based heterostructure barrier varactor tripler. *Electronics Letters*, **1999**, 35, 938 | 1.1 | 16 |
| 104 | Coplanar waveguides on dielectric membranes micromachined on a GaAs substrate. *Electronics Letters*, **1996**, 32, 821 | 1.1 | 15 |
| 103 | Micromachining and mechanical properties of GaInAs/InP microcantilevers. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **1998**, 51, 258-262 | 3.1 | 15 |
| 102 | Substrate transfer process for InP-based heterostructure barrier varactor devices. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **2000**, 18, 150 | | 15 |
| 101 | Capacitance engineering for InP-based heterostructure barrier varactor. *IEEE Electron Device Letters*, **1998**, 19, 338-340 | 4.4 | 15 |

| | | | |
|---|---|---|---|
| 100 | Ordered subsets convex algorithm for 3D terahertz transmission tomography. *Optics Express*, **2014**, 22, 23299-309 | 3.3 | 14 |
| 99 | Tunable THz metamaterials based on an array of paraelectric SrTiO3 rods. *Applied Physics A: Materials Science and Processing*, **2011**, 103, 689-692 | 2.6 | 14 |
| 98 | Ultrafast carrier dynamics in Br+-bombarded InP studied by time-resolved terahertz spectroscopy. *Physical Review B*, **2008**, 78, | 3.3 | 14 |
| 97 | High capacitance ratio with GaAs/InGaAs/AlAs heterostructure quantum well-barrier varactors. *Electronics Letters*, **1998**, 34, 1860 | 1.1 | 14 |
| 96 | One-dimensional tunable photonic crystals with spin crossover material for the terahertz range. *Applied Physics Letters*, **2006**, 89, 174105 | 3.4 | 13 |
| 95 | InGaAs/InAlAs/AlAs heterostructure barrier varactors for harmonic multiplication **1998**, 8, 254-256 | | 13 |
| 94 | Low-frequency noise effect on terahertz tomography using thermal detectors. *Applied Optics*, **2015** , 54, 6758-62 | 0.2 | 12 |
| 93 | High-Frequency Response in Ferroelectric BaSrTiO3Thin Films Studied by Terahertz Time-Domain Spectroscopy. *Japanese Journal of Applied Physics*, **2005**, 44, 5058-5061 | 1.4 | 12 |
| 92 | Dielectric dispersion of BaSrTiO3 thin film from centimeter to submillimeter wavelengths. *Journal of Applied Physics*, **2011**, 109, 014116 | 2.5 | 11 |
| 91 | FABRICATION OF HIGH-PERFORMANCE ALXGA1-XAS/INYGA1-YAS/GAAS RESONANT TUNNELING DIODES USING A MICROWAVE-COMPATIBLE TECHNOLOGY. *IEEE Electron Device Letters*, **1991**, 12, 114-116 | 4.4 | 10 |
| 90 | Terahertz phase retrieval imaging in reflection. *Optics Letters*, **2020**, 45, 4168-4171 | 3 | 10 |
| 89 | Terahertz Spectroscopy and Quantum Mechanical Simulations of Crystalline Copper-Containing Historical Pigments. *Journal of Physical Chemistry A*, **2019**, 123, 1225-1232 | 2.8 | 9 |
| 88 | A 128-pixel 0.56THz sensing array for real-time near-field imaging in 0.13μm SiGe BiCMOS **2018**, | | 9 |
| 87 | Ex Vivo Breast Tumor Identification: Advances Toward a Silicon-Based Terahertz Near-Field Imaging Sensor. *IEEE Microwave Magazine*, **2019**, 20, 32-46 | 1.2 | 9 |
| 86 | Broadband effective magnetic response of inorganic dielectric resonator-based metamaterial for microwave applications. *Applied Physics A: Materials Science and Processing*, **2014**, 114, 997-1002 | 2.6 | 9 |
| 85 | Terahertz imaging of sub-wavelength particles with Zenneck surface waves. *Applied Physics Letters*, **2013**, 103, 221103 | 3.4 | 9 |
| 84 | Step-like heterostructure barrier varactor. *IEEE Transactions on Electron Devices*, **1998**, 45, 2291-2297 | 2.9 | 9 |
| 83 | Far-infrared optical constants of CO2 near the critical point measured by terahertz spectroscopy. *Applied Physics Letters*, **2003**, 83, 5095-5097 | 3.4 | 9 |

| | | | |
|---|---|---|---|
| 82 | Giant magnetostriction thin films for multi-cantilever micro-structures driving. *Sensors and Actuators A: Physical*, **2000**, 81, 162-165 | 3.9 | 9 |
| 81 | Terahertz near-field microscopy of ductal carcinoma in situ (DCIS) of the breast. *JPhys Photonics*, **2020**, 2, 044008 | 2.5 | 9 |
| 80 | Terahertz refractive index-based morphological dilation for breast carcinoma delineation. *Scientific Reports*, **2021**, 11, 6457 | 4.9 | 9 |
| 79 | Iterative Tree Algorithm to Evaluate Terahertz Signal Contribution of Specific Optical Paths Within Multilayered Materials. *IEEE Transactions on Terahertz Science and Technology*, **2019**, 9, 684-694 | 3.4 | 8 |
| 78 | Scanning laser terahertz near-field reflection imaging system. *Applied Physics Express*, **2019**, 12, 122005 | 2.4 | 8 |
| 77 | TiO2 microsphere-based metamaterials exhibiting effective magnetic response in the terahertz regime. *Applied Physics A: Materials Science and Processing*, **2012**, 109, 891-894 | 2.6 | 8 |
| 76 | 12% efficiency and 9.5 dBm output power from InP-based heterostructure barrier varactor triplers at 250 GHz **1999**, | | 8 |
| 75 | Resonant tunneling of holes in Ga0.51In0.49P/GaAs double-barrier heterostructures. *Journal of Applied Physics*, **1992**, 71, 2057-2059 | 2.5 | 8 |
| 74 | Investigation of spatial filters at microwave frequencies: Application for antenna directivity enhancement. *Microwave and Optical Technology Letters*, **2012**, 54, 1327-1332 | 1.2 | 7 |
| 73 | Electrical Characterizations of Paraelectric BST Thin Films up to 1 THz: Realization of Microwave Phaseshifters. *Ferroelectrics*, **2007**, 353, 29-37 | 0.6 | 7 |
| 72 | Temperature Dependence of Peak to Valley Current Ratio in Resonant Tunneling Double Barriers. *NATO ASI Series Series B: Physics*, **1991**, 107-116 | | 7 |
| 71 | Measurement of negative differential conductance to 40 GHz for vertically integrated resonant tunnelling diodes. *Electronics Letters*, **1991**, 27, 1358 | 1.1 | 7 |
| 70 | Splitting of magnetic dipole modes in anisotropic TiO2 micro-spheres. *Laser and Photonics Reviews*, **2016**, 10, 681-687 | 8.3 | 7 |
| 69 | Terahertz radiation for tomographic inspection. *Optical Engineering*, **2012**, 51, 091609 | 1.1 | 6 |
| 68 | High-power terahertz radiation from a high-repetition-rate large-aperture photoconducting antenna. *Microwave and Optical Technology Letters*, **1998**, 17, 23-27 | 1.2 | 6 |
| 67 | Shielding effectiveness in terahertz domain of monolayer-doped polyaniline films. *Electronics Letters*, **2007**, 43, 1271 | 1.1 | 6 |
| 66 | Fast Terahertz Spectroscopic Holographic Assessment of Optical Properties of Diabetic Blood Plasma. *Journal of Infrared, Millimeter, and Terahertz Waves*, **2020**, 41, 1041-1056 | 2.2 | 6 |
| 65 | Spectroscopy and terahertz imaging for sigillography applications. *Journal of the European Optical Society-Rapid Publications*, **2011**, 6, | 2.5 | 5 |

| | | | |
|---|---|---|---|
| 64 | Segregation and Twinning in the Rare-Earth Doped KPb2Cl5 Laser Crystals. *Crystal Growth and Design*, **2009**, 9, 1949-1955 | 3.5 | 5 |
| 63 | Far infrared absorption and terahertz time domain spectroscopy of liquid CS2: Experiments and molecular dynamics simulation. *Applied Physics Letters*, **2008**, 92, 214102 | 3.4 | 5 |
| 62 | On the validity of the independent hot-spot model. *Physical Review Letters*, **2001**, 87, 085006 | 7.4 | 5 |
| 61 | Deformable magnetic mirror for adaptive optics: first results | | 5 |
| 60 | Transferred InP-based HBVs on glass substrate. *Electronics Letters*, **1999**, 35, 1493 | 1.1 | 5 |
| 59 | Non Linear Transmission Line Quintupler Loaded by Heterostructure Barrier Varactors **1999**, | | 5 |
| 58 | Electron transfer between two coupled quantum wells in a resonant tunneling diode structure. *Solid-State Electronics*, **1995**, 38, 1899-1904 | 1.7 | 5 |
| 57 | Frequency capability of strained AlAs/InGaAs resonant tunnelling diodes. *Electronics Letters*, **1995**, 31, 1508-1510 | 1.1 | 5 |
| 56 | Tunnel r□onnant et effets d□ectrons chauds dans les structures □double barri□e : synth□e. *Revue De Physique Appliqu□*, **1989**, 24, 17-30 | | 5 |
| 55 | NearSense □Advances Towards a Silicon-Based Terahertz Near-Field Imaging Sensor for Ex Vivo Breast Tumour Identification. *Frequenz*, **2018**, 72, 93-99 | 0.6 | 4 |
| 54 | Ionic Polarization Occurrence in BaSrTiO3 Thin Film by THz-Time Domain Spectroscopy. *Ferroelectrics*, **2012**, 430, 36-41 | 0.6 | 4 |
| 53 | Theoretical and experimental investigations of easy made fishnet metamaterials at microwave frequencies. *Applied Physics A: Materials Science and Processing*, **2011**, 103, 685-688 | 2.6 | 4 |
| 52 | Terahertz dielectric characterisation of photopolymer resin used for fabrication of 3D THz imaging phantoms. *Electronics Letters*, **2009**, 45, 702 | 1.1 | 4 |
| 51 | Ultrafast carrier response of Br+-irradiated In0.53Ga0.47As excited at telecommunication wavelengths. *Journal of Applied Physics*, **2012**, 111, 093721 | 2.5 | 4 |
| 50 | Potential of the Eu:LYB crystal as a laser material for DPSS lasers emitting at 613 nm **2012**, | | 4 |
| 49 | Transferred-substrate InP-based heterostructure barrier varactor diodes on quartz **2000**, 10, 472-474 | | 4 |
| 48 | Miniaturized deformable magnetic mirror for adaptive optics **1998**, | | 4 |
| 47 | Efficient compact modelling of UTC-photodiode towards terahertz communication system design. *Solid-State Electronics*, **2020**, 170, 107836 | 1.7 | 4 |

| | | | |
|---|---|---|---|
| 46 | Label-Free Observation of Micrometric Inhomogeneity of Human Breast Cancer Cell Density Using Terahertz Near-Field Microscopy. *Photonics*, **2021**, 8, 151 | 2.2 | 4 |
| 45 | THz spectroscopy and imaging for breast cancer detection in the 300500 GHz range **2017**, | | 3 |
| 44 | Discrimination and identification of RDX/PETN explosives by chemometrics applied to terahertz time-domain spectral imaging **2015**, | | 3 |
| 43 | Examination of femtosecond laser matter interaction in multipulse regime for surface nanopatterning of vitreous substrates. *Optics Express*, **2013**, 21, 29090-100 | 3.3 | 3 |
| 42 | Terahertz and far-infrared response of Ba x Sr1□x TiO3 films. *Phase Transitions*, **2010**, 83, 966-973 | 1.3 | 3 |
| 41 | High emission and detection efficiency of terahertz beam with heavy-ion-irradiated InP material excited at 0.8 [micro sign]m. *Electronics Letters*, **2006**, 42, 879 | 1.1 | 3 |
| 40 | A 5 mW-290 GHz heterostructure barrier tripler in a waveguide configuration | | 3 |
| 39 | A Versatile Illumination System for Real-Time Terahertz Imaging. *Sensors*, **2020**, 20, | 3.8 | 3 |
| 38 | Towards Monolithic Indium Phosphide (InP)-Based Electronic Photonic Technologies for beyond 5G Communication Systems. *Applied Sciences (Switzerland)*, **2021**, 11, 2393 | 2.6 | 3 |
| 37 | Bulk magnetic terahertz metamaterials based on dielectric microspheres. *Optics Express*, **2016**, 24, 18340-5 | 3.3 | 3 |
| 36 | 2D and 3D Terahertz Imaging and X-Rays CT for Sigillography Study. *Journal of Infrared, Millimeter, and Terahertz Waves*, **2017**, 38, 483-494 | 2.2 | 2 |
| 35 | Qualitative and quantitative analysis of explosives by terahertz time-domain spectroscopy: Application to imaging **2014**, | | 2 |
| 34 | X-ray versus 3D terahertz imaging for sigillography science **2013**, | | 2 |
| 33 | 3D millimeter wave tomographic scanner for large size opaque object inspection with different refractive index contrasts **2010**, | | 2 |
| 32 | Terahertz-pulse imaging for non-destructive analysis of layered art paintings **2010**, | | 2 |
| 31 | Reverse Engineering Through Electromagnetic and Harmonic Balance Simulations **1998**, | | 2 |
| 30 | Micromachined coplanar transmission lines in a GaAs technology. *Microwave and Optical Technology Letters*, **1999**, 20, 106-110 | 1.2 | 2 |
| 29 | Resonant tunneling diodes as sources for millimeter and submillimeter wavelengths. *IEEE Transactions on Microwave Theory and Techniques*, **1993**, 41, 2025-2027 | 4.1 | 2 |

| | | | |
|---|---|---|---|
| 28 | Terahertz pulse time-domain holography method for phase imaging of breast tissue **2019**, | | 2 |
| 27 | Guided terahertz pulse reflectometry with double photoconductive antenna. *Applied Optics*, **2020**, 59, 1641-1647 | 1.7 | 2 |
| 26 | Characterization of Varnish Ageing and its Consequences on Terahertz Imagery: Demonstration on a Painting Presumed of the French Renaissance. *Journal of Infrared, Millimeter, and Terahertz Waves* , **2020**, 41, 1556-1566 | 2.2 | 2 |
| 25 | Mid-Infrared Ultra-Short Pulse Generation in a Gas-Filled Hollow-Core Photonic Crystal Fiber Pumped by Two-Color Pulses. *Fibers*, **2021**, 9, 21 | 3.7 | 2 |
| 24 | Liquid index matching for 2D and 3D terahertz imaging. *Applied Optics*, **2016**, 55, 9185-9192 | 0.2 | 2 |
| 23 | Extending terahertz paint thickness measurements to advanced industry-standard automotive paint structures **2016**, | | 2 |
| 22 | Frequency modulated continuous wave terahertz imaging for art restoration **2016**, | | 2 |
| 21 | A Solid-State 0.56 THz Near-Field Array for M-Scale Surface Imaging **2018**, | | 2 |
| 20 | Terahertz waves for contactless control and imaging in aeronautics industry. *NDT and E International*, **2021**, 122, 102473 | 4.1 | 2 |
| 19 | Single-scan multiplane phase retrieval with a radiation of terahertz quantum cascade laser. *Applied Physics B: Lasers and Optics*, **2022**, 128, 1 | 1.9 | 2 |
| 18 | Guided Reflectometry Imaging Unit Using Millimeter Wave FMCW Radars. *IEEE Transactions on Terahertz Science and Technology*, **2020**, 10, 647-655 | 3.4 | 1 |
| 17 | Expectation maximisation algorithms for terahertz transmission tomography **2014**, | | 1 |
| 16 | Processing sequence for non-destructive inspection based on 3D terahertz images **2014**, | | 1 |
| 15 | Structural health monitoring using a scanning THz system **2013**, | | 1 |
| 14 | Chemometrics applied to analysis of terahertz spectra **2013**, | | 1 |
| 13 | Non-destructive inspection of opaque objects with a 3D millimeter-wave tomographic scanner **2010**, | | 1 |
| 12 | High performance HBV multipliers monolithically integrated onto a host quartz substrate **2002**, | | 1 |
| 11 | Towards industrial applications of terahertz real-time imaging **2018**, | | 1 |

| | | | |
|---|---|---|---|
| 10 | Terahertz spectra of drug-laden magnetic nanoparticles **2019**, | | 1 |
| 9 | Automated data and image processing for biomedical sample analysis **2016**, | | 1 |
| 8 | Photoconductive microprobe based near-field scanning of Terahertz resonances of a single high-index TiO2 microsphere **2016**, | | 1 |
| 7 | First Uni-Traveling Carrier Photodiode Compact Model Enabling Future Terahertz Communication System Design **2019**, | | 1 |
| 6 | Tunable ultrafast infrared generation in a gas-filled hollow-core capillary by a four-wave mixing process. *Journal of the Optical Society of America B: Optical Physics*, **2022**, 39, 662 | 1.7 | 0 |
| 5 | Multiscale Compact Modelling of UTC-Photodiodes Enabling Monolithic Terahertz Communication Systems Design. *Applied Sciences (Switzerland)*, **2021**, 11, 11088 | 2.6 | |
| 4 | High Performance Heterostructure Barrier Varactors **2001**, 53-67 | | |
| 3 | Charge Distribution and Capacitance of Double Barrier Resonant Tunneling Diodes **1993**, 329-332 | | |
| 2 | Interaction of terahertz radiation with tissue phantoms: numerical and experimental studies. *EPJ Web of Conferences*, **2018**, 195, 10012 | 0.3 | |
| 1 | Scanning point terahertz source microscopy of unstained comedo ductal carcinoma in situ **2022**, 1, 527 | | |