

# Patrick Mounaix

## List of Publications by Year in Descending Order

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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	Tunable ultrafast infrared generation in a gas-filled hollow-core capillary by a four-wave mixing process. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2022</b> , 39, 662	1.7	0
152	Scanning point terahertz source microscopy of unstained comedo ductal carcinoma in situ <b>2022</b> , 1, 527		
151	Single-scan multiplane phase retrieval with a radiation of terahertz quantum cascade laser. <i>Applied Physics B: Lasers and Optics</i> , <b>2022</b> , 128, 1	1.9	2
150	Multiscale Compact Modelling of UTC-Photodiodes Enabling Monolithic Terahertz Communication Systems Design. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 11088	2.6	
149	Terahertz refractive index-based morphological dilation for breast carcinoma delineation. <i>Scientific Reports</i> , <b>2021</b> , 11, 6457	4.9	9
148	Towards Monolithic Indium Phosphide (InP)-Based Electronic Photonic Technologies for beyond 5G Communication Systems. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 2393	2.6	3
147	Mid-Infrared Ultra-Short Pulse Generation in a Gas-Filled Hollow-Core Photonic Crystal Fiber Pumped by Two-Color Pulses. <i>Fibers</i> , <b>2021</b> , 9, 21	3.7	2
146	Label-Free Observation of Micrometric Inhomogeneity of Human Breast Cancer Cell Density Using Terahertz Near-Field Microscopy. <i>Photonics</i> , <b>2021</b> , 8, 151	2.2	4
145	Terahertz waves for contactless control and imaging in aeronautics industry. <i>NDT and E International</i> , <b>2021</b> , 122, 102473	4.1	2
144	Guided Reflectometry Imaging Unit Using Millimeter Wave FMCW Radars. <i>IEEE Transactions on Terahertz Science and Technology</i> , <b>2020</b> , 10, 647-655	3.4	1
143	Guided terahertz pulse reflectometry with double photoconductive antenna. <i>Applied Optics</i> , <b>2020</b> , 59, 1641-1647	1.7	2
142	Terahertz phase retrieval imaging in reflection. <i>Optics Letters</i> , <b>2020</b> , 45, 4168-4171	3	10
141	Efficient compact modelling of UTC-photodiode towards terahertz communication system design. <i>Solid-State Electronics</i> , <b>2020</b> , 170, 107836	1.7	4
140	Terahertz near-field microscopy of ductal carcinoma in situ (DCIS) of the breast. <i>JPhys Photonics</i> , <b>2020</b> , 2, 044008	2.5	9
139	Fast Terahertz Spectroscopic Holographic Assessment of Optical Properties of Diabetic Blood Plasma. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , <b>2020</b> , 41, 1041-1056	2.2	6
138	A Versatile Illumination System for Real-Time Terahertz Imaging. <i>Sensors</i> , <b>2020</b> , 20,	3.8	3
137	Characterization of Varnish Ageing and its Consequences on Terahertz Imagery: Demonstration on a Painting Presumed of the French Renaissance. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , <b>2020</b> , 41, 1556-1566	2.2	2

136	Iterative Tree Algorithm to Evaluate Terahertz Signal Contribution of Specific Optical Paths Within Multilayered Materials. <i>IEEE Transactions on Terahertz Science and Technology</i> , <b>2019</b> , 9, 684-694	3.4	8
135	Terahertz Spectroscopy and Quantum Mechanical Simulations of Crystalline Copper-Containing Historical Pigments. <i>Journal of Physical Chemistry A</i> , <b>2019</b> , 123, 1225-1232	2.8	9
134	Ex Vivo Breast Tumor Identification: Advances Toward a Silicon-Based Terahertz Near-Field Imaging Sensor. <i>IEEE Microwave Magazine</i> , <b>2019</b> , 20, 32-46	1.2	9
133	Scanning laser terahertz near-field reflection imaging system. <i>Applied Physics Express</i> , <b>2019</b> , 12, 122005	2.4	8
132	Terahertz spectra of drug-laden magnetic nanoparticles <b>2019</b> ,		1
131	Terahertz pulse time-domain holography method for phase imaging of breast tissue <b>2019</b> ,		2
130	Shape-from-focus for real-time terahertz 3D imaging. <i>Optics Letters</i> , <b>2019</b> , 44, 483-486	3	17
129	First Uni-Travelling Carrier Photodiode Compact Model Enabling Future Terahertz Communication System Design <b>2019</b> ,		1
128	NearSense [Advances Towards a Silicon-Based Terahertz Near-Field Imaging Sensor for Ex Vivo Breast Tumour Identification. <i>Frequenz</i> , <b>2018</b> , 72, 93-99	0.6	4
127	Pilot study of freshly excised breast tissue response in the 300-600 GHz range. <i>Biomedical Optics Express</i> , <b>2018</b> , 9, 2930-2942	3.5	32
126	Terahertz frequency modulated continuous wave imaging advanced data processing for art painting analysis. <i>Optics Express</i> , <b>2018</b> , 26, 5358-5367	3.3	27
125	A 128-pixel 0.56THz sensing array for real-time near-field imaging in 0.13 $\mu$ m SiGe BiCMOS <b>2018</b> ,		9
124	Towards industrial applications of terahertz real-time imaging <b>2018</b> ,		1
123	A Solid-State 0.56 THz Near-Field Array for M-Scale Surface Imaging <b>2018</b> ,		2
122	Terahertz biophotonics as a tool for studies of dielectric and spectral properties of biological tissues and liquids. <i>Progress in Quantum Electronics</i> , <b>2018</b> , 62, 1-77	9.1	113
121	A 128-Pixel System-on-a-Chip for Real-Time Super-Resolution Terahertz Near-Field Imaging. <i>IEEE Journal of Solid-State Circuits</i> , <b>2018</b> , 53, 3599-3612	5.5	21
120	Interaction of terahertz radiation with tissue phantoms: numerical and experimental studies. <i>EPJ Web of Conferences</i> , <b>2018</b> , 195, 10012	0.3	
119	2D and 3D Terahertz Imaging and X-Rays CT for Sigillography Study. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , <b>2017</b> , 38, 483-494	2.2	2

118	Art Painting Diagnostic Before Restoration with Terahertz and Millimeter Waves. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , <b>2017</b> , 38, 369-379	2.2	23
117	THz spectroscopy and imaging for breast cancer detection in the 300-500 GHz range <b>2017</b> ,		3
116	Advanced Processing Sequence for 3-D THz Imaging. <i>IEEE Transactions on Terahertz Science and Technology</i> , <b>2016</b> , 6, 191-198	3.4	26
115	Liquid index matching for 2D and 3D terahertz imaging. <i>Applied Optics</i> , <b>2016</b> , 55, 9185-9192	0.2	2
114	Splitting of magnetic dipole modes in anisotropic TiO <sub>2</sub> micro-spheres. <i>Laser and Photonics Reviews</i> , <b>2016</b> , 10, 681-687	8.3	7
113	Extending terahertz paint thickness measurements to advanced industry-standard automotive paint structures <b>2016</b> ,		2
112	Automated data and image processing for biomedical sample analysis <b>2016</b> ,		1
111	Frequency modulated continuous wave terahertz imaging for art restoration <b>2016</b> ,		2
110	Photoconductive microprobe based near-field scanning of Terahertz resonances of a single high-index TiO <sub>2</sub> microsphere <b>2016</b> ,		1
109	Terahertz imaging and tomography as efficient instruments for testing polymer additive manufacturing objects. <i>Applied Optics</i> , <b>2016</b> , 55, 3462-7	0.2	32
108	Bulk magnetic terahertz metamaterials based on dielectric microspheres. <i>Optics Express</i> , <b>2016</b> , 24, 18340-5	0.5	3
107	Low-frequency noise effect on terahertz tomography using thermal detectors. <i>Applied Optics</i> , <b>2015</b> , 54, 6758-62	0.2	12
106	Quantitative Analysis of Hexahydro-1,3,5-trinitro-1,3,5, Triazine/Pentaerythritol Tetranitrate (RDX-PETN) Mixtures by Terahertz Time Domain Spectroscopy. <i>Applied Spectroscopy</i> , <b>2015</b> , 69, 1464-71	3.1	18
105	Discrimination and identification of RDX/PETN explosives by chemometrics applied to terahertz time-domain spectral imaging <b>2015</b> ,		3
104	Review of Terahertz Tomography Techniques. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , <b>2014</b> , 35, 382-411	2.2	142
103	Broadband effective magnetic response of inorganic dielectric resonator-based metamaterial for microwave applications. <i>Applied Physics A: Materials Science and Processing</i> , <b>2014</b> , 114, 997-1002	2.6	9
102	Terahertz metamolecules deposited on thin flexible polymer: design, fabrication and experimental characterization. <i>Journal of Optics (United Kingdom)</i> , <b>2014</b> , 16, 094014	1.7	20
101	Three-Dimensional Silver Nanoparticle Formation Using Femtosecond Laser Irradiation in Phosphate Glasses: Analogy with Photography. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 5824-5832	15.6	62

100	Chemometrics applied to quantitative analysis of ternary mixtures by terahertz spectroscopy. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 4927-33	7.8	55
99	Expectation maximisation algorithms for terahertz transmission tomography <b>2014</b> ,		1
98	Near-field probing of Mie resonances in single TiO <sub>2</sub> microspheres at terahertz frequencies. <i>Optics Express</i> , <b>2014</b> , 22, 23034-42	3.3	20
97	Ordered subsets convex algorithm for 3D terahertz transmission tomography. <i>Optics Express</i> , <b>2014</b> , 22, 23299-309	3.3	14
96	Qualitative and quantitative analysis of explosives by terahertz time-domain spectroscopy: Application to imaging <b>2014</b> ,		2
95	Processing sequence for non-destructive inspection based on 3D terahertz images <b>2014</b> ,		1
94	Terahertz imaging of sub-wavelength particles with Zenneck surface waves. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 221103	3.4	9
93	Review in terahertz spectral analysis. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2013</b> , 44, 98-105	14.6	109
92	Structural health monitoring using a scanning THz system <b>2013</b> ,		1
91	Examination of femtosecond laser matter interaction in multipulse regime for surface nanopatterning of vitreous substrates. <i>Optics Express</i> , <b>2013</b> , 21, 29090-100	3.3	3
90	Ultra-flexible multiband terahertz metamaterial absorber for conformal geometry applications. <i>Optics Letters</i> , <b>2013</b> , 38, 4988-90	3	105
89	Aeronautics composite material inspection with a terahertz time-domain spectroscopy system. <i>Optical Engineering</i> , <b>2013</b> , 53, 031208	1.1	71
88	Chemometrics applied to analysis of terahertz spectra <b>2013</b> ,		1
87	X-ray versus 3D terahertz imaging for sigillography science <b>2013</b> ,		2
86	TiO <sub>2</sub> microsphere-based metamaterials exhibiting effective magnetic response in the terahertz regime. <i>Applied Physics A: Materials Science and Processing</i> , <b>2012</b> , 109, 891-894	2.6	8
85	Ionic Polarization Occurrence in BaSrTiO <sub>3</sub> Thin Film by THz-Time Domain Spectroscopy. <i>Ferroelectrics</i> , <b>2012</b> , 430, 36-41	0.6	4
84	Towards left-handed metamaterials using single-size dielectric resonators: The case of TiO <sub>2</sub> -disks at millimeter wavelengths. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 042909	3.4	19
83	Investigation of spatial filters at microwave frequencies: Application for antenna directivity enhancement. <i>Microwave and Optical Technology Letters</i> , <b>2012</b> , 54, 1327-1332	1.2	7

82	Resonant magnetic response of TiO <sub>2</sub> microspheres at terahertz frequencies. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 061117	3.4	37
81	Terahertz radiation for tomographic inspection. <i>Optical Engineering</i> , <b>2012</b> , 51, 091609	1.1	6
80	Propagation beam consideration for 3D THz computed tomography. <i>Optics Express</i> , <b>2012</b> , 20, 5817-29	3.3	41
79	Ultrafast carrier response of Br <sup>+</sup> -irradiated In <sub>0.53</sub> Ga <sub>0.47</sub> As excited at telecommunication wavelengths. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 093721	2.5	4
78	Potential of the Eu:LYB crystal as a laser material for DPSS lasers emitting at 613 nm <b>2012</b> ,		4
77	Investigation on reconstruction methods applied to 3D terahertz computed tomography. <i>Optics Express</i> , <b>2011</b> , 19, 5105-17	3.3	67
76	Spectroscopy and terahertz imaging for sigillography applications. <i>Journal of the European Optical Society-Rapid Publications</i> , <b>2011</b> , 6,	2.5	5
75	Theoretical and experimental investigations of easy made fishnet metamaterials at microwave frequencies. <i>Applied Physics A: Materials Science and Processing</i> , <b>2011</b> , 103, 685-688	2.6	4
74	Tunable THz metamaterials based on an array of paraelectric SrTiO <sub>3</sub> rods. <i>Applied Physics A: Materials Science and Processing</i> , <b>2011</b> , 103, 689-692	2.6	14
73	Dielectric dispersion of BaSrTiO <sub>3</sub> thin film from centimeter to submillimeter wavelengths. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 014116	2.5	11
72	Optical phase detection in a 4-N,N-dimethylamino-4'-N'-methyl-stilbazolium tosylate crystal for terahertz time domain spectroscopy system at 1.55 $\mu$ m wavelength. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 111112	3.4	16
71	Terahertz and far-infrared response of Ba <sub>x</sub> Sr <sub>1-x</sub> TiO <sub>3</sub> films. <i>Phase Transitions</i> , <b>2010</b> , 83, 966-973	1.3	3
70	3D millimeter wave tomographic scanner for large size opaque object inspection with different refractive index contrasts <b>2010</b> ,		2
69	Non-destructive inspection of opaque objects with a 3D millimeter-wave tomographic scanner <b>2010</b> ,		1
68	Terahertz-pulse imaging for non-destructive analysis of layered art paintings <b>2010</b> ,		2
67	Non-invasive investigation of art paintings by terahertz imaging. <i>Applied Physics A: Materials Science and Processing</i> , <b>2010</b> , 100, 585-590	2.6	66
66	Refraction losses in terahertz computed tomography. <i>Optics Communications</i> , <b>2010</b> , 283, 2050-2055	2	31
65	High photocarrier mobility in ultrafast ion-irradiated In <sub>0.53</sub> Ga <sub>0.47</sub> As for terahertz applications. <i>Journal Physics D: Applied Physics</i> , <b>2009</b> , 42, 195103	3	16

64	Terahertz dielectric characterisation of photopolymer resin used for fabrication of 3D THz imaging phantoms. <i>Electronics Letters</i> , <b>2009</b> , 45, 702	1.1	4
63	Broadband terahertz imaging of documents written with lead pencils. <i>Optics Communications</i> , <b>2009</b> , 282, 3104-3107	2	45
62	Plasma wave field effect transistor as a resonant detector for 1 terahertz imaging applications. <i>Optics Communications</i> , <b>2009</b> , 282, 3055-3058	2	24
61	Tunable terahertz metamaterials with negative permeability. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	81
60	Segregation and Twinning in the Rare-Earth Doped KPb2Cl5 Laser Crystals. <i>Crystal Growth and Design</i> , <b>2009</b> , 9, 1949-1955	3.5	5
59	Broadband dielectric terahertz metamaterials with negative permeability. <i>Optics Letters</i> , <b>2009</b> , 34, 3541-3543	3	34
58	Materials with on-demand refractive indices in the terahertz range. <i>Optics Letters</i> , <b>2008</b> , 33, 2275-7	3	21
57	Far infrared absorption and terahertz time domain spectroscopy of liquid CS2: Experiments and molecular dynamics simulation. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 214102	3.4	5
56	Ultrafast carrier dynamics in Br+-bombarded InP studied by time-resolved terahertz spectroscopy. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	14
55	Dielectric properties of conducting polyaniline films by THz time-domain spectroscopy. <i>European Polymer Journal</i> , <b>2008</b> , 44, 124-129	5.2	36
54	Electrical Characterizations of Paraelectric BST Thin Films up to 1 THz: Realization of Microwave Phaseshifters. <i>Ferroelectrics</i> , <b>2007</b> , 353, 29-37	0.6	7
53	Shielding effectiveness in terahertz domain of monolayer-doped polyaniline films. <i>Electronics Letters</i> , <b>2007</b> , 43, 1271	1.1	6
52	Emission characteristics of ion-irradiated In(0.53)Ga(0.47)As based photoconductive antennas excited at 1.55 microm. <i>Optics Express</i> , <b>2007</b> , 15, 8943-50	3.3	22
51	High emission and detection efficiency of terahertz beam with heavy-ion-irradiated InP material excited at 0.8 [micro sign]m. <i>Electronics Letters</i> , <b>2006</b> , 42, 879	1.1	3
50	Terahertz radiation generated and detected by Br+-irradiated In0.53Ga0.47As photoconductive antenna excited at 800nm wavelength. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 083519	3.4	16
49	One-dimensional tunable photonic crystals with spin crossover material for the terahertz range. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 174105	3.4	13
48	Active optical control of the terahertz reflectivity of high-resistivity semiconductors. <i>Optics Letters</i> , <b>2005</b> , 30, 1992-4	3	20
47	High-Frequency Response in Ferroelectric BaSrTiO3Thin Films Studied by Terahertz Time-Domain Spectroscopy. <i>Japanese Journal of Applied Physics</i> , <b>2005</b> , 44, 5058-5061	1.4	12

46	Dielectric characterization of [Fe(NH <sub>2</sub> Brz) <sub>3</sub> ]Br <sub>2</sub> H <sub>2</sub> O thermal spin crossover compound by terahertz time domain spectroscopy. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 244103	3.4	18
45	Characterization of non-linear Potassium crystals in the Terahertz frequency domain. <i>Optics Communications</i> , <b>2004</b> , 242, 631-639	2	17
44	Terahertz dielectric characterisation of polymethacrylimide rigid foam: The perfect sheer plate?. <i>Electronics Letters</i> , <b>2004</b> , 40, 1167	1.1	25
43	Far-infrared optical constants of CO <sub>2</sub> near the critical point measured by terahertz spectroscopy. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 5095-5097	3.4	9
42	Photonic band gap material for integrated photonic application: technological challenges. <i>Microelectronic Engineering</i> , <b>2002</b> , 61-62, 537-544	2.5	17
41	High performance HBV multipliers monolithically integrated onto a host quartz substrate <b>2002</b> ,		1
40	Monolithic integrated circuits incorporating InP-based heterostructure barrier varactors. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2002</b> , 12, 281-283	2.6	28
39	Deformable magnetic mirror for adaptive optics: technological aspects. <i>Sensors and Actuators A: Physical</i> , <b>2001</b> , 89, 1-9	3.9	43
38	On the validity of the independent hot-spot model. <i>Physical Review Letters</i> , <b>2001</b> , 87, 085006	7.4	5
37	High Performance Heterostructure Barrier Varactors <b>2001</b> , 53-67		
36	Giant magnetostriction thin films for multi-cantilever micro-structures driving. <i>Sensors and Actuators A: Physical</i> , <b>2000</b> , 81, 162-165	3.9	9
35	Fabrication and performance of InP-based heterostructure barrier varactors in a 250-GHz waveguide tripler. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2000</b> , 48, 1000-1006	4.1	38
34	Transferred-substrate InP-based heterostructure barrier varactor diodes on quartz <b>2000</b> , 10, 472-474		4
33	Substrate transfer process for InP-based heterostructure barrier varactor devices. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>2000</b> , 18, 150		15
32	Transferred InP-based HBVs on glass substrate. <i>Electronics Letters</i> , <b>1999</b> , 35, 1493	1.1	5
31	Determination of the mechanical properties of thin polyimide films deposited on a GaAs substrate by bulging and nanoindentation tests. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1999</b> , 262, 101-106	5.3	20
30	Micromachined coplanar transmission lines in a GaAs technology. <i>Microwave and Optical Technology Letters</i> , <b>1999</b> , 20, 106-110	1.2	2
29	Terahertz time-domain spectroscopy of films fabricated from SU-8. <i>Electronics Letters</i> , <b>1999</b> , 35, 243	1.1	53



28	Gas filter correlation instrument for air monitoring at submillimeter wavelengths. <i>Optics Letters</i> , <b>1999</b> , 24, 351-3	3	20
27	Record performance of a 250 GHz InP-based heterostructure barrier varactor tripler. <i>Electronics Letters</i> , <b>1999</b> , 35, 938	1.1	16
26	12% efficiency and 9.5 dBm output power from InP-based heterostructure barrier varactor triplers at 250 GHz <b>1999</b> ,		8
25	Non Linear Transmission Line Quintupler Loaded by Heterostructure Barrier Varactors <b>1999</b> ,		5
24	Step-like heterostructure barrier varactor. <i>IEEE Transactions on Electron Devices</i> , <b>1998</b> , 45, 2291-2297	2.9	9
23	High-power terahertz radiation from a high-repetition-rate large-aperture photoconducting antenna. <i>Microwave and Optical Technology Letters</i> , <b>1998</b> , 17, 23-27	1.2	6
22	Micromachining and mechanical properties of GaInAs/InP microcantilevers. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>1998</b> , 51, 258-262	3.1	15
21	5-mW and 5% efficiency 216-GHz InP-based heterostructure barrier varactor tripler <b>1998</b> , 8, 384-386		17
20	Reverse Engineering Through Electromagnetic and Harmonic Balance Simulations <b>1998</b> ,		2
19	InGaAs/InAlAs/AlAs heterostructure barrier varactors for harmonic multiplication <b>1998</b> , 8, 254-256		13
18	Capacitance engineering for InP-based heterostructure barrier varactor. <i>IEEE Electron Device Letters</i> , <b>1998</b> , 19, 338-340	4.4	15
17	High capacitance ratio with GaAs/InGaAs/AlAs heterostructure quantum well-barrier varactors. <i>Electronics Letters</i> , <b>1998</b> , 34, 1860	1.1	14
16	Miniaturized deformable magnetic mirror for adaptive optics <b>1998</b> ,		4
15	Coplanar waveguides on dielectric membranes micromachined on a GaAs substrate. <i>Electronics Letters</i> , <b>1996</b> , 32, 821	1.1	15
14	High performance InP-based heterostructure barrier varactors in single and stack configuration. <i>Electronics Letters</i> , <b>1996</b> , 32, 1417	1.1	17
13	Electron transfer between two coupled quantum wells in a resonant tunneling diode structure. <i>Solid-State Electronics</i> , <b>1995</b> , 38, 1899-1904	1.7	5
12	Frequency capability of strained AlAs/InGaAs resonant tunnelling diodes. <i>Electronics Letters</i> , <b>1995</b> , 31, 1508-1510	1.1	5
11	Resonant tunneling diodes as sources for millimeter and submillimeter wavelengths. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>1993</b> , 41, 2025-2027	4.1	2

10 Charge Distribution and Capacitance of Double Barrier Resonant Tunneling Diodes **1993**, 329-332

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|---|---|-----|----|
| 9 | Resonant tunneling of holes in Ga <sub>0.51</sub> In <sub>0.49</sub> P/GaAs double-barrier heterostructures. <i>Journal of Applied Physics</i> , <b>1992</b> , 71, 2057-2059  | 2.5 | 8  |
| 8 | FABRICATION OF HIGH-PERFORMANCE ALXGA <sub>1-X</sub> AS/INYGA <sub>1-Y</sub> AS/GAAS RESONANT TUNNELING DIODES USING A MICROWAVE-COMPATIBLE TECHNOLOGY. <i>IEEE Electron Device Letters</i> , <b>1991</b> , 12, 114-116 | 4.4 | 10 |
| 7 | Temperature Dependence of Peak to Valley Current Ratio in Resonant Tunneling Double Barriers. <i>NATO ASI Series Series B: Physics</i> , <b>1991</b> , 107-116  |     | 7  |
| 6 | Measurement of negative differential conductance to 40 GHz for vertically integrated resonant tunnelling diodes. <i>Electronics Letters</i> , <b>1991</b> , 27, 1358  | 1.1 | 7  |
| 5 | Effect of cathode spacer layer on the current-voltage characteristics of resonant tunneling diodes. <i>Applied Physics Letters</i> , <b>1990</b> , 57, 1517-1519  | 3.4 | 29 |
| 4 | Tunnel résonnant et effets d'électrons chauds dans les structures à double barrière : synthèse. <i>Revue De Physique Appliquée</i> , <b>1989</b> , 24, 17-30  |     | 5  |
| 3 | Small-signal impedance of GaAs-Al <sub>x</sub> Ga <sub>1-x</sub> As resonant tunnelling heterostructures at microwave frequency. <i>Electronics Letters</i> , <b>1988</b> , 24, 1180                                    | 1.1 | 23 |
| 2 | Deformable magnetic mirror for adaptive optics: first results   |     | 5  |
| 1 | A 5 mW-290 GHz heterostructure barrier tripler in a waveguide configuration   |     | 3  |