

# Peter Haring BolÃ- var

## List of Publications by Year in descending order

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167  
papers

6,354  
citations

71102

41  
h-index

69250

77  
g-index

169  
all docs

169  
docs citations

169  
times ranked

5336  
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated THz technology for label-free genetic diagnostics. Applied Physics Letters, 2002, 80, 154-156.	3.3	483
2	Label-free probing of the binding state of DNA by time-domain terahertz sensing. Applied Physics Letters, 2000, 77, 4049-4051.	3.3	383
3	Rational design of high-responsivity detectors of terahertz radiation based on distributed self-mixing in silicon field-effect transistors. Journal of Applied Physics, 2009, 105, .	2.5	291
4	Observation of Bloch oscillations in a semiconductor superlattice. Solid State Communications, 1992, 84, 943-946.	1.9	286
5	Frequency selective surfaces for high sensitivity terahertz sensing. Applied Physics Letters, 2007, 91, .	3.3	268
6	Ultrahigh-quality-factor silicon-on-insulator microring resonator. Optics Letters, 2004, 29, 2861.	3.3	262
7	THz Active Imaging Systems With Real-Time Capabilities. IEEE Transactions on Terahertz Science and Technology, 2011, 1, 183-200.	3.1	224
8	Enhanced transmission of THz radiation through subwavelength holes. Physical Review B, 2003, 68, .	3.2	221
9	Measurement of the dielectric constant and loss tangent of high dielectric-constant materials at terahertz frequencies. IEEE Transactions on Microwave Theory and Techniques, 2003, 51, 1062-1066.	4.6	171
10	Ultrafast carrier dynamics in semiconductor quantum dots. Physical Review B, 1996, 53, 1463-1467.	3.2	170
11	Transmission of THz radiation through InSb gratings of subwavelength apertures. Optics Express, 2005, 13, 847.	3.4	169
12	Time-domain measurements of surface plasmon polaritons in the terahertz frequency range. Physical Review B, 2004, 69, .	3.2	153
13	Terahertz responsivity and low-frequency noise in biased silicon field-effect transistors. Applied Physics Letters, 2013, 102, 153505.	3.3	145
14	Propagation of Surface Plasmon Polaritons on Semiconductor Gratings. Physical Review Letters, 2004, 93, 256804.	7.8	141
15	A functionalized THz sensor for marker-free DNA analysis. Physics in Medicine and Biology, 2003, 48, 3625-3636.	3.0	135
16	Polarization dependence of heavy- and light-hole quantum beats. Physical Review B, 1992, 46, 10460-10463.	3.2	129
17	Low-frequency active surface plasmon optics on semiconductors. Applied Physics Letters, 2006, 88, 082106.	3.3	112
18	Asymmetrically coupled silicon-on-insulator microring resonators for compact add-drop multiplexers. IEEE Photonics Technology Letters, 2003, 15, 921-923.	2.5	111

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19	Bloch oscillations of excitonic wave packets in semiconductor superlattices. <i>Physical Review B</i> , 1994, 50, 14389-14404.	3.2	106
20	Dynamics of optical excitations in a ladder-type $\pi$ -conjugated polymer containing aggregate states. <i>Physical Review B</i> , 1996, 54, 1759-1765.	3.2	94
21	All-optical switching of the transmission of electromagnetic radiation through subwavelength apertures. <i>Optics Letters</i> , 2005, 30, 2357.	3.3	84
22	Electrical percolation characteristics of Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> and Sn doped Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> thin films during the amorphous to crystalline phase transition. <i>Journal of Applied Physics</i> , 2005, 97, 083538.	2.5	84
23	Label-free probing of genes by time-domain terahertz sensing. <i>Physics in Medicine and Biology</i> , 2002, 47, 3815-3821.	3.0	81
24	High Photocurrent in Gated Graphene-Silicon Hybrid Photodiodes. <i>ACS Photonics</i> , 2017, 4, 1506-1514.	6.6	78
25	Label-free THz sensing of genetic sequences: towards THz biochips™. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2004, 362, 323-335.	3.4	76
26	Integrated planar terahertz resonators for femtomolar sensitivity label-free detection of DNA hybridization. <i>Applied Optics</i> , 2002, 41, 2074.	2.1	72
27	Linear and nonlinear transmission of CuxS quantum dots. <i>Applied Physics Letters</i> , 1995, 67, 653-655.	3.3	68
28	Hot-phonon effects in femtosecond luminescence spectra of electron-hole plasmas in CdS. <i>Physical Review B</i> , 1995, 52, 4728-4731.	3.2	68
29	THz 3-D Image Formation Using SAR Techniques: Simulation, Processing and Experimental Results. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2013, 3, 606-616.	3.1	65
30	Temperature dependence of the permittivity and loss tangent of high-permittivity materials at terahertz frequencies. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2005, 53, 1266-1271.	4.6	59
31	Effect of Ti (Macro-) Alloying on the High-Temperature Oxidation Behavior of Ternary Mo-Si-B Alloys at 820-1,300°C. <i>Oxidation of Metals</i> , 2013, 80, 231-242.	2.1	52
32	Three-Dimensional Terahertz Imaging With Sparse Multistatic Line Arrays. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2017, 23, 1-11.	2.9	52
33	Optical nonlinearities and carrier trapping dynamics in CdS and CuxS nanocrystals. <i>Superlattices and Microstructures</i> , 1996, 20, 395-404.	3.1	49
34	Femtosecond coherent polariton dynamics in the layered III-VI semiconductor InSe. <i>Physical Review B</i> , 1997, 55, 4620-4627.	3.2	47
35	Thermal switching of the enhanced transmission of terahertz radiation through subwavelength apertures. <i>Optics Letters</i> , 2004, 29, 1680.	3.3	47
36	Excitonic Emission of THz Radiation: Experimental Evidence of the Shortcomings of the Bloch Equation Method. <i>Physical Review Letters</i> , 1997, 78, 2232-2235.	7.8	46

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37	Optically switchable mirrors for surface plasmon polaritons propagating on semiconductor surfaces. <i>Physical Review B</i> , 2006, 74, .	3.2	46
38	Phase-locking of the beat signal of two distributed-feedback diode lasers to oscillators working in the MHz to THz range. <i>Optics Express</i> , 2010, 18, 8621.	3.4	45
39	Energy transfer in molecularly doped conjugated polymers. <i>Synthetic Metals</i> , 1996, 78, 289-293.	3.9	44
40	Electric field-induced photoluminescence quenching in molecularly doped polymer light-emitting diodes. <i>Chemical Physics</i> , 1996, 207, 147-157.	1.9	43
41	Optimization of enhanced terahertz transmission through arrays of subwavelength apertures. <i>Physical Review B</i> , 2004, 69, .	3.2	43
42	Observation of terahertz radiation from higher-order two-dimensional plasmon modes in GaAs/AlGaAs single quantum wells. <i>Applied Physics Letters</i> , 1999, 74, 1006-1008.	3.3	38
43	A low-cost fabrication technique for symmetrical and asymmetrical layer-by-layer photonic crystals at submillimeter-wave frequencies. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2002, 50, 2384-2392.	4.6	35
44	Terahertz Science, Engineering and Systems-from Space to Earth Applications. , 0, , .		35
45	Modular parallel-plate THz components for cost-efficient biosensing systems. <i>Semiconductor Science and Technology</i> , 2005, 20, S281-S285.	2.0	34
46	Highly selective etch process for silicon-on-insulator nano-devices. <i>Microelectronic Engineering</i> , 2005, 78-79, 212-217.	2.4	32
47	Carrier cooling and exciton formation in GaSe. <i>Physical Review B</i> , 1997, 56, 4578-4583.	3.2	30
48	Reconfigurable THz Plasmonic Antenna Based on Few-Layer Graphene with High Radiation Efficiency. <i>Nanomaterials</i> , 2018, 8, 577.	4.1	30
49	Dynamics of excitation transfer in dye doped $\pi$ -conjugated polymers. <i>Chemical Physics Letters</i> , 1995, 245, 534-538.	2.6	29
50	Four-wave-mixing theory beyond the semiconductor Bloch equations. <i>Physica Status Solidi (B): Basic Research</i> , 1995, 188, 447-456.	1.5	29
51	Uncooled antenna-coupled terahertz detectors with $22\text{â€‰}\mu\text{s}$ response time based on BiSb/Sb thermocouples. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	29
52	Correlation of Electrical and Structural Properties of Single As-Grown GaAs Nanowires on Si (111) Substrates. <i>Nano Letters</i> , 2015, 15, 981-989.	9.1	29
53	Computational Image Enhancement for Frequency Modulated Continuous Wave (FMCW) THz Image. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2019, 40, 775-800.	2.2	28
54	Angle-dependent THz tomography â€œ characterization of thin ceramic oxide films for fuel cell applications. <i>Applied Physics B: Lasers and Optics</i> , 2001, 72, 361-366.	2.2	27

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55	Detection of Bloch oscillations in a semiconductor superlattice by time-resolved terahertz spectroscopy and degenerate four-wave mixing. <i>Solid-State Electronics</i> , 1994, 37, 1321-1326.	1.4	26
56	Optimizing the optical and electrical properties of graphene ink thin films by laser-annealing. <i>2D Materials</i> , 2015, 2, 011003.	4.4	26
57	Analysis of the propagation of terahertz surface plasmon polaritons on semiconductor groove gratings. <i>Journal of Applied Physics</i> , 2007, 101, 023707.	2.5	25
58	Deposition and characterization of GeSbTe layers for applications in optical data storage. <i>Applied Surface Science</i> , 2001, 179, 55-60.	6.1	24
59	Ultrasensitive THz biosensor for PCR-free cDNA detection based on frequency selective surfaces. <i>Biomedical Optics Express</i> , 2020, 11, 448.	2.9	24
60	Combined optical and spatial modulation THz-spectroscopy for the analysis of thin-layered systems. <i>Applied Physics Letters</i> , 2002, 81, 1791-1793.	3.3	23
61	Lateral phase change random access memory cell design for low power operation. <i>Microsystem Technologies</i> , 2006, 13, 169-172.	2.0	21
62	High-power solid-state cw dye laser. <i>Optics Express</i> , 2011, 19, 26382.	3.4	20
63	High signal-to-noise-ratio electro-optical terahertz imaging system based on an optical demodulating detector array. <i>Optics Letters</i> , 2009, 34, 3424.	3.3	19
64	Study of hybrid and pure plasmonic terahertz antennas based on graphene guided-wave structures. <i>Nano Communication Networks</i> , 2017, 12, 34-42.	2.9	19
65	Comparison of Subspace and ARX Models of a Waveguide's Terahertz Transient Response After Optimal Wavelet Filtering. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2004, 52, 2409-2419.	4.6	18
66	Influence of LO-Phonon Emission on Bloch Oscillations in Semiconductor Superlattices. <i>Physica Status Solidi (B): Basic Research</i> , 1997, 204, 83-86.	1.5	17
67	Terahertz Modulator Based on Vertically Coupled Fano Metamaterial. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2018, 8, 502-508.	3.1	15
68	Few-Layer MoS <sub>2</sub> /a-Si:H Heterojunction Pin-Photodiodes for Extended Infrared Detection. <i>ACS Photonics</i> , 2019, 6, 1372-1378.	6.6	15
69	Deposition of diamond/ <sup>12</sup> -SiC composite gradient films by HFCVD: A competitive growth process. <i>Diamond and Related Materials</i> , 2014, 42, 41-48.	3.9	14
70	Measurement of propagation constant in waveguides with wideband coherent terahertz spectroscopy. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2003, 20, 391.	2.1	13
71	Time-resolved broadband analysis of slow-light propagation and superluminal transmission of electromagnetic waves in three-dimensional photonic crystals. <i>Physical Review B</i> , 2005, 71, .	3.2	13
72	Characterization of GeSbTe thin films deposited using a composition-spread approach. <i>Thin Solid Films</i> , 2001, 398-399, 379-384.	1.8	12

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73	A sparse array based sub-terahertz imaging system for volume inspection. , 2015, , .		12
74	Crossover from coherent to incoherent excitation of two-dimensional plasmons inGaAs/AlxGa1-xxAssingle quantum wells by femtosecond laser pulses. Physical Review B, 2001, 64, .	3.2	11
75	Design of an LED-based sensor system to distinguish human skin from workpieces in safety applications. Applied Optics, 2012, 51, 1865.	1.8	11
76	Characterization of polypropylene thin-film microstrip lines at millimeter and submillimeter wavelengths. Microwave and Optical Technology Letters, 2001, 29, 97-100.	1.4	10
77	Terahertz biosensors based on double split ring arrays. Proceedings of SPIE, 2008, , .	0.8	10
78	2-in-1 red-/green-/blue sensitive a-SiC:H/a-Si:H/a-SiGeC:H thin film photo detector with an integrated optical filter. Thin Solid Films, 2014, 552, 212-217.	1.8	10
79	THz Detection of Biomolecules in Aqueous Environmentsâ€”Status and Perspectives for Analysis Under Physiological Conditions and Clinical use. Journal of Infrared, Millimeter, and Terahertz Waves, 2021, 42, 607-646.	2.2	10
80	THz Active Imaging Systems with Real-Time Capabilities. NATO Science for Peace and Security Series B: Physics and Biophysics, 2014, , 153-187.	0.3	10
81	Inversionless amplification of coherent terahertz radiation. Physical Review B, 2003, 67, .	3.2	9
82	Improved coherent terahertz emission by modification of the dielectric environment. Applied Physics Letters, 2003, 83, 4196-4198.	3.3	8
83	Stand-off real-time synthetic imaging at mm-wave frequencies. , 2012, , .		8
84	200â€GHz bandwidth on wafer characterization of CMOS nonlinear transmission line using electroâ€optic sampling. Microwave and Optical Technology Letters, 2012, 54, 1858-1862.	1.4	8
85	MAC-oriented programmable terahertz PHY via graphene-based Yagi-Uda antennas. , 2018, , .		8
86	Influence of cocamidopropyl betaine on the formation and carbonation of portlandite â€“ A microscopy study. Construction and Building Materials, 2018, 163, 793-797.	7.2	7
87	The resonant interband contribution to the TEOS signal. Solid State Communications, 1997, 101, 167-171.	1.9	6
88	Influence of carrierâ€carrier scattering on intraband dephasing. Superlattices and Microstructures, 1999, 26, 93-102.	3.1	6
89	Hybrid Continuous-Wave Demodulating Multipixel Terahertz Imaging Systems. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 2022-2026.	4.6	6
90	Allâ€electronic terahertz spectrometer for biosensing. Microwave and Optical Technology Letters, 2011, 53, 2899-2902.	1.4	6

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91	Long-range guided THz radiation by thin layers of water. Optics Express, 2012, 20, 27781.	3.4	6
92	Simulation and Data-Processing Framework for Hybrid Synthetic Aperture THz Systems Including THz-Scattering. IEEE Transactions on Terahertz Science and Technology, 2013, 3, 625-634.	3.1	6
93	Conception and realization of a semiconductor based 240 GHz full 3D MIMO imaging system. Proceedings of SPIE, 2017, , .	0.8	6
94	Substrate-integrated microfluidics for sensitive biosensing with complementary THz metamaterials in water. Applied Physics Letters, 2022, 120, .	3.3	6
95	Multifrequency Investigation of Single- and Double-Stranded DNA with Scalable Metamaterial-Based THz Biosensors. Biosensors, 2022, 12, 483.	4.7	6
96	Investigation of Bloch oscillations in a GaAs/AlGaAs superlattice by spectrally resolved four-wave mixing. Semiconductor Science and Technology, 1994, 9, 419-421.	2.0	5
97	Low-temperature THz imaging of thin high-temperature superconductor films. Physica C: Superconductivity and Its Applications, 2003, 399, 53-60.	1.2	5
98	Frequency Selective Surfaces for High-Sensitivity Terahertz Sensors. , 2007, , .		5
99	Broadband Terahertz Analysis of Energetic Materialsâ€™Influence of Crystal Structure and Additives. IEEE Transactions on Terahertz Science and Technology, 2013, 3, 649-655.	3.1	5
100	Training Auto-Encoder-Based Optimizers for Terahertz Image Reconstruction. Lecture Notes in Computer Science, 2019, , 93-106.	1.3	5
101	High-Sensitivity Focus-Induced Photoresponse in Amorphous Silicon Photodiodes for Enhanced Three-Dimensional Imaging Sensors. Physical Review Applied, 2022, 17, .	3.8	5
102	Composition spread analysis of phase change dynamics in GexSbyTe1-âˆ“xâˆ“y films embedded in an optical multilayer stack. IET Science, Measurement and Technology, 2004, 151, 394-397.	0.7	4
103	Broadband Terahertz and Sub-terahertz CMOS Modules for Imaging and Spectroscopy Applications. Procedia Engineering, 2012, 47, 1491-1497.	1.2	4
104	Diminishing relative jitter in electrooptic sampling of active mm-wave and THz circuits. Optics Express, 2013, 21, 4396.	3.4	4
105	Towards cost-efficient THz biochip technologies. , 2007, , .		3
106	THz plasmonic antennas: From metals to semiconductors. , 2010, , .		3
107	Surveying of Pure and Hybrid Plasmonic Structures Based on Graphene for Terahertz Antenna. , 2016, , .		3
108	Detection of Human Tumor Markers with THz Metamaterials. , 2018, , .		3

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109	Aspects of Signal Processing for Multistatic Terahertz Imaging Systems. , 2021, , .		3
110	High-speed nonlinear focus-induced photoresponse in amorphous silicon photodetectors for ultrasensitive 3D imaging applications. Scientific Reports, 2022, 12, .	3.3	3
111	Inversionless amplification of coherent THz radiation. , 0, , .		2
112	Influence of Hot Carrier Diffusion on the Density Limitation of Optical Data Storage. Japanese Journal of Applied Physics, 2004, 43, 4700-4703.	1.5	2
113	Low cost thermopile detectors for THz imaging and sensing. , 2008, , .		2
114	Terahertz responsivity enhancement and low-frequency noise study in silicon CMOS detectors using a drain current bias. , 2011, , .		2
115	High-power CW tunable solid state dye lasers: from the visible to UV. , 2012, , .		2
116	Fast antenna-coupled terahertz detectors based on uncooled thermoelements. , 2012, , .		2
117	Experimental evidence for cm propagation lengths of long-range guided terahertz radiation by thin layers of water. Applied Physics Letters, 2013, 103, .	3.3	2
118	Efficient, robust, and scale-invariant decomposition of Raman spectra. , 2013, , .		2
119	Electronic THz-spectrometer for plasmonic enhanced deep subwavelength layer detection. , 2015, , .		2
120	Comparison of model-based material parameter extraction in frequency- and time-domain. , 2015, , .		2
121	Illumination aspects of sparse line arrays for 3D terahertz imaging. , 2016, , .		2
122	Material-Dependencies of the THz emission from plasmonic graphene-based photoconductive antenna structures. , 2017, , .		2
123	Ultrafast Carrier Recombination and Transient Lattice Temperature Changes in 25 nm Thin Hydrogenated Amorphous Silicon Films. ACS Applied Electronic Materials, 2019, 1, 2396-2405.	4.3	2
124	THz spectroscopy of bovine serum albumin solution using the long-range guided mode supported by thin liquid films. , 2014, , .		2
125	Deep Optimization Prior for THz Model Parameter Estimation. , 2022, , .		2
126	Excitation process of two-dimensional plasmons excited by femtosecond laser pulses. Microelectronic Engineering, 1999, 47, 289-292.	2.4	1



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127	<title>Ge-Sb-Te system for rewritable optical data storage by a composition-spread approach</title>. , 2001, 4281, 51.		1
128	Integrated THz biomolecular sensors for DNA. , 0, , .		1
129	Surface Plasmon Polariton-based Coaxial Probe for Terahertz Near-field Microscopy. , 2007, , .		1
130	Towards 3-D THz volume inspection for process control. , 2014, , .		1
131	A sparse multistatic imaging system for terahertz volume inspection. , 2015, , .		1
132	MM-wave dispersion characteristics of a nonlinear transmission line measured by electrooptic sampling. , 2016, , .		1
133	Error analysis of model-based frequency- and time-domain methods for THz material parameter extraction. , 2016, , .		1
134	Open-loop electrooptic sampling for real-time analysis and near-field imaging of ultrafast electronic devices. Optical and Quantum Electronics, 2017, 49, 1.	3.3	1
135	A Graphene Based Plasmonic Antenna Design for Communication in the THz Regime. , 2017, , .		1
136	Uncertainty Quantization of Fano Resonance Frequency Shift Measurement. , 2019, , .		1
137	Substrate-enhanced THz nanoscopic recognition of single bacteria. , 2019, , .		1
138	Reducing errors in THz material parameter determination by model-based time-domain extraction methods. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 815.	2.1	1
139	Coherent dynamics of excitonic and biexcitonic wave packets in semiconductor superlattices. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1995, 17, 1573-1578.	0.4	0
140	Wavelet filtered modelling applied to measurements of a waveguide's THz time domain response. , 0, , .		0
141	Intraband coherence of Bloch oscillations after momentum scattering. Applied Physics A: Materials Science and Processing, 2004, 78, 491-495.	2.3	0
142	Photonic engineering of nonlinear-optical properties of hybrid materials for efficient ultrafast optical switching (PHOENIX). , 2004, 5464, 39.		0
143	Metamaterials technology for sub-mm wave imaging. , 2006, , .		0
144	Recent Advances in Photonic Crystals and Metamaterials. , 2007, , .		0

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145	Development of a hybrid THz camera using synchronized two-color laser radiation. , 2008, , .		0
146	New approach for an electrooptic THz-detector array using Photonic Mixing Device Camera. , 2009, , .		0
147	Coherent terahertz imaging with synchronized distributed-feedback diode lasers. , 2009, , .		0
148	Multi-pixel continuous-wave THz-imaging by electro-optic sampling using a photonic-mixer-device camera. , 2009, , .		0
149	Terahertz responsivity enhancement of silicon CMOS transistor-based detectors using a current bias. , 2010, , .		0
150	Active video-rate camera with up to 32 detector-pixels at 812 GHz. , 2010, , .		0
151	Towards a real-time electro-optical THz microscope using a demodulating optical detector array. , 2011, , .		0
152	High-Speed THz Biochip Reader System. , 2011, , .		0
153	Sensing Liquids with an Integrated Silica Fiber THz Resonator. Spectroscopy Letters, 2012, 45, 594-601.	1.0	0
154	Long-range guided THz radiation coupled in thin layers of water - A study of the propagation length characteristics. , 2013, , .		0
155	Extremely low-jitter and ultra-broadband electrooptic sampling system for near field sensing of active and passive sub-THz electronic devices. , 2013, , .		0
156	Amorphous silicon germanium carbide photo sensitive bipolar junction transistor with a base-contact and a continuous tunable high current gain. Thin Solid Films, 2014, 558, 430-437.	1.8	0
157	Visual Analysis of Confocal Raman Spectroscopy Data using Cascaded Transfer Function Design. Computer Graphics Forum, 2017, 36, 239-249.	3.0	0
158	Analysis of a Plasmonic Graphene Antenna for Microelectronic Applications. , 2018, , .		0
159	Towards Polarization-Resolved all-Electronic Thz-Nanoscopy. , 2018, , .		0
160	Sensitivity Enhancement for Asymmetric Split Ring Resonators in a Vertical Coupling Geometry. , 2018, , .		0
161	Integrated THz technologies for femtomol sensitivity label-free detection of DNA. Springer Series in Chemical Physics, 2003, , 301-303.	0.2	0
162	Coupling and cm propagation of long-range guided THz radiation in thin layers of water. , 2013, , .		0

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163	Observation of Bloch Oscillations in a Semiconductor Superlattice. , 1993, , .		0
164	Intraband Coherence after Energy Relaxation. Springer Series in Chemical Physics, 1998, , 263-265.	0.2	0
165	Advanced signal processing techniques for THz imaging and sensing enhancement in material quality control applications. , 2019, , .		0
166	Ultra-broadband quantification of CMOS varactors based on vector standing wave measurements in a non-linear transmission line. IET Microwaves, Antennas and Propagation, 2019, 13, 849-853.	1.4	0
167	High-speed focus-induced photoresponse in amorphous silicon photodetectors for optical distance measurements. Electronics Letters, 2022, 58, 330-332.	1.0	0