

# Martin Koch

## List of Publications by Year in descending order

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222  
papers

7,529  
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81900

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82  
g-index

223  
all docs

223  
docs citations

223  
times ranked

6467  
citing authors

#	ARTICLE	IF	CITATIONS
1	Terahertz spectroscopy and imaging – Modern techniques and applications. Laser and Photonics Reviews, 2011, 5, 124-166.	8.7	1,525
2	The 2017 terahertz science and technology roadmap. Journal Physics D: Applied Physics, 2017, 50, 043001.	2.8	1,160
3	Properties of Building and Plastic Materials in the THz Range. Journal of Infrared, Millimeter and Terahertz Waves, 2007, 28, 363-371.	0.6	198
4	Quantum beats versus polarization interference: An experimental distinction. Physical Review Letters, 1992, 69, 3631-3634.	7.8	189
5	Analyzing sub-100- $\mu$ m samples with transmission terahertz time domain spectroscopy. Optics Communications, 2009, 282, 1304-1306.	2.1	177
6	Optical Properties of 3D Printable Plastics in the THz Regime and their Application for 3D Printed THz Optics. Journal of Infrared, Millimeter, and Terahertz Waves, 2014, 35, 993-997.	2.2	156
7	Clustering effects in Ga(AsBi). Applied Physics Letters, 2010, 96, .	3.3	120
8	Terahertz metasurfaces with high Q-factors. Applied Physics Letters, 2011, 98, .	3.3	113
9	Optical Coherence in Semiconductors: Strong Emission Mediated by Nondegenerate Interactions. Physical Review Letters, 1996, 77, 1107-1110.	7.8	108
10	Determination of additive content in polymeric compounds with terahertz time-domain spectroscopy. Polymer Testing, 2007, 26, 614-618.	4.8	108
11	Disorder mediated biexcitonic beats in semiconductor quantum wells. Physical Review B, 1996, 54, 4436-4439.	3.2	107
12	Terahertz characterisation of building materials. Electronics Letters, 2005, 41, 1002.	1.0	107
13	Monitoring leaf water content with THz and sub-THz waves. Plant Methods, 2015, 11, 15.	4.3	102
14	The Fano Resonance in Symmetry Broken Terahertz Metamaterials. IEEE Transactions on Terahertz Science and Technology, 2013, 3, 820-826.	3.1	95
15	64- $\mu$ s pulsed terahertz emission from growth optimized InGaAs/InAlAs heterostructures with separated photoconductive and trapping regions. Applied Physics Letters, 2013, 103, .	3.3	91
16	Determination of Leaf Water Content from Terahertz Time-Domain Spectroscopic Data. Journal of Infrared, Millimeter, and Terahertz Waves, 2013, 34, 316-323.	2.2	90
17	Highly birefringent, low-loss liquid crystals for terahertz applications. APL Materials, 2013, 1, .	5.1	79
18	THz generation at 155 $\mu$ m excitation: six-fold increase in THz conversion efficiency by separated photoconductive and trapping regions. Optics Express, 2011, 19, 25911.	3.4	74

#	ARTICLE	IF	CITATIONS
19	THz Optics 3D Printed with TOPAS. Journal of Infrared, Millimeter, and Terahertz Waves, 2016, 37, 303-307.	2.2	71
20	Highly Accurate THz Time-Domain Spectroscopy of Multilayer Structures. IEEE Journal of Selected Topics in Quantum Electronics, 2008, 14, 392-398.	2.9	67
21	Polarization and angle independent terahertz metamaterials with high Q-factors. Applied Physics Letters, 2011, 98, .	3.3	65
22	3D printed dielectric rectangular waveguides, splitters and couplers for 120 GHz. Optics Express, 2016, 24, 28968.	3.4	64
23	High Q-factor metasurfaces based on miniaturized asymmetric single split resonators. Applied Physics Letters, 2009, 94, 153505.	3.3	60
24	Terahertz form birefringence. Optics Express, 2010, 18, 10137.	3.4	60
25	Quantum design strategy pushes high-power vertical-external-cavity surface-emitting lasers beyond 100 W. Laser and Photonics Reviews, 2012, 6, L12.	8.7	60
26	Mechanically flexible polymeric compound one-dimensional photonic crystals for terahertz frequencies. Applied Physics Letters, 2010, 96, .	3.3	59
27	Application of a robotic THz imaging system for sub-surface analysis of ancient human remains. Scientific Reports, 2019, 9, 3390.	3.3	58
28	Terahertz meets sculptural and architectural art: Evaluation and conservation of stone objects with T-ray technology. Scientific Reports, 2015, 5, 14842.	3.3	57
29	Electrically Tunable Terahertz Notch Filters. Journal of Infrared, Millimeter, and Terahertz Waves, 2012, 33, 327-332.	2.2	56
30	Recent advances in terahertz imaging: 1999 to 2021. Applied Physics B: Lasers and Optics, 2022, 128, 1.	2.2	56
31	Homogeneous linewidth of excitons in semimagnetic CdTe/Cd <sub>1-x</sub> MnxTe multiple quantum wells. Physical Review B, 1993, 48, 2847-2850.	3.2	52
32	THz-Spectroscopy on High Density Polyethylene with Different Crystallinity. Journal of Infrared, Millimeter, and Terahertz Waves, 2016, 37, 189-197.	2.2	48
33	Simultaneous influence of disorder and Coulomb interaction on photon echoes in semiconductors. Physical Review B, 1994, 50, 8114-8117.	3.2	47
34	Self-mode-locking semiconductor disk laser. Optics Express, 2014, 22, 28390.	3.4	46
35	Room temperature excitonic recombination in GaInN/GaN quantum wells. Applied Physics Letters, 2013, 103, 202106.	3.3	45
36	Additive manufacture of photonic components for the terahertz band. Journal of Applied Physics, 2020, 127, .	2.5	44

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37	Fabrication of gradient-refractive-index lenses for terahertz applications by three-dimensional printing. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016, 33, 928.	2.1	42
38	Exploring the potential of photoluminescence spectroscopy in combination with Nile Red staining for microplastic detection. <i>Marine Pollution Bulletin</i> , 2020, 159, 111475.	5.0	41
39	Evidence for Anisotropic Electronic Coupling of Charge Transfer States in Weakly Interacting Organic Semiconductor Mixtures. <i>Journal of the American Chemical Society</i> , 2017, 139, 8474-8486.	13.7	40
40	Harmonic self-mode-locking of optically pumped semiconductor disc laser. <i>Electronics Letters</i> , 2014, 50, 542-543.	1.0	39
41	Novel THz Metamaterial Designs: From Near- and Far-Field Coupling to High-Q Resonances. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2013, 3, 772-782.	3.1	37
42	Terahertz and optical properties of nematic mixtures composed of liquid crystal isothiocyanates, fluorides and cyanides. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4457.	5.5	35
43	Self-mode-locked quantum-dot vertical-external-cavity surface-emitting laser. <i>Optics Letters</i> , 2014, 39, 4623.	3.3	35
44	Field-induced exciton dissociation in PTB7-based organic solar cells. <i>Physical Review B</i> , 2017, 95, .	3.2	35
45	On the Measurement of the Thermal Resistance of Vertical-External-Cavity Surface-Emitting Lasers (VECSELs). <i>IEEE Journal of Quantum Electronics</i> , 2012, 48, 934-940.	1.9	34
46	Quantitative study of localization effects and recombination dynamics in GaAsBi/GaAs single quantum wells. <i>Journal of Applied Physics</i> , 2013, 114, 164306.	2.5	33
47	A THz Tomography System for Arbitrarily Shaped Samples. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2017, 38, 1179-1182.	2.2	33
48	Beating the wavelength limit: three-dimensional imaging of buried subwavelength fractures in sculpture and construction materials by terahertz time-domain reflection spectroscopy. <i>Applied Optics</i> , 2013, 52, 375.	1.8	32
49	Excitation of multiple trapped-eigenmodes in terahertz metamolecule lattices. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	32
50	Terahertz Metamaterials with Ultrahigh Angular Sensitivity. <i>Advanced Optical Materials</i> , 2015, 3, 642-645.	7.3	32
51	Focus free terahertz reflection imaging and tomography with Bessel beams. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2015, 36, 318-326.	2.2	30
52	Monitoring the water status of plants using THz radiation. , 2014, , .		29
53	Luminescence dynamics in Ga(AsBi). <i>Applied Physics Letters</i> , 2011, 98, 161104.	3.3	27
54	Time-Resolved Charge-Transfer State Emission in Organic Solar Cells: Temperature and Blend Composition Dependences of Interfacial Traps. <i>Journal of Physical Chemistry C</i> , 2015, 119, 13516-13523.	3.1	27

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55	Outdoor Measurements of Leaf Water Content Using THz Quasi Time-Domain Spectroscopy. Journal of Infrared, Millimeter, and Terahertz Waves, 2018, 39, 943-948.	2.2	27
56	Terahertz Inspection of Buildings and Architectural Art. Applied Sciences (Switzerland), 2020, 10, 5166.	2.5	27
57	THz ATR Spectroscopy for Inline Monitoring of Highly Absorbing Liquids. Journal of Infrared, Millimeter, and Terahertz Waves, 2016, 37, 1001-1006.	2.2	26
58	Exciton confinement in homo- and heteroepitaxial ZnO/Zn <sub>1-x</sub> Mg <sub>x</sub> O quantum wells with $x < 0.1$ . Journal of Applied Physics, 2011, 110, 093513.	2.5	25
59	Distinguishing Gasoline Engine Oils of Different Viscosities Using Terahertz Time-Domain Spectroscopy. Journal of Infrared, Millimeter, and Terahertz Waves, 2015, 36, 687-696.	2.2	25
60	Digital Aerosol Jet Printing for the Fabrication of Terahertz Metamaterials. Advanced Materials Technologies, 2018, 3, 1700236.	5.8	25
61	Heat Management in High-Power Vertical-External-Cavity Surface-Emitting Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2011, 17, 1772-1778.	2.9	24
62	Field Exposure and Dosimetry in the THz Frequency Range. IEEE Transactions on Terahertz Science and Technology, 2014, 4, 12-25.	3.1	24
63	Terahertz Time-Domain Spectroscopy System Driven by a Monolithic Semiconductor Laser. Journal of Infrared, Millimeter, and Terahertz Waves, 2017, 38, 958-962.	2.2	24
64	Free-Standing Complementary Asymmetric Metasurface for Terahertz Sensing Applications. Sensors, 2020, 20, 2265.	3.8	24
65	Influence of the spatial pump distribution on the performance of high power vertical-external-cavity surface-emitting lasers. Applied Physics Letters, 2010, 97, .	3.3	23
66	Terahertz beam focusing based on plasmonic waveguide scattering. Applied Physics Letters, 2012, 101, .	3.3	23
67	Error from Delay Drift in Terahertz Attenuated Total Reflection Spectroscopy. Journal of Infrared, Millimeter, and Terahertz Waves, 2014, 35, 468-477.	2.2	22
68	Rhodium doped InGaAs: A superior ultrafast photoconductor. Applied Physics Letters, 2018, 112, .	3.3	22
69	Time-dynamics of the two-color emission from vertical-external-cavity surface-emitting lasers. Applied Physics Letters, 2012, 100, .	3.3	21
70	On the measurement of the thermal impedance in vertical-external-cavity surface-emitting lasers. Journal of Applied Physics, 2013, 113, 153102.	2.5	21
71	Laser beam machined free-standing terahertz metamaterials. Electronics Letters, 2015, 51, 1012-1014.	1.0	21
72	Dual-Wavelength Emission From a Serially Connected Two-Chip VECSEL. IEEE Photonics Technology Letters, 2016, 28, 927-929.	2.5	21

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73	3D Printed Terahertz Focusing Grating Couplers. Journal of Infrared, Millimeter, and Terahertz Waves, 2017, 38, 708-716.	2.2	21
74	Crystallization Caught in the Act with Terahertz Spectroscopy: Non-Classical Pathway for Tartaric Acid. Chemistry - A European Journal, 2017, 23, 14128-14132.	3.3	21
75	Communications with THz Waves: Switching Data Between Two Waveguides. Journal of Infrared, Millimeter, and Terahertz Waves, 2017, 38, 1316-1320.	2.2	21
76	Deposition and in-situ translocation of microplastics in floodplain soils. Science of the Total Environment, 2022, 819, 152039.	8.0	21
77	Coupled absorber-cavity system: Observation of a characteristic nonlinear response. Physical Review B, 1998, 57, R2049-R2052.	3.2	19
78	High-Power Quantum-Dot Vertical-External-Cavity Surface-Emitting Laser Exceeding 8 W. IEEE Photonics Technology Letters, 2014, 26, 1561-1564.	2.5	19
79	Thermal quenching of photoluminescence in Ga(AsBi). Journal of Applied Physics, 2015, 117, 025709.	2.5	19
80	Quality Control of Sugar Beet Seeds With THz Time-Domain Spectroscopy. IEEE Transactions on Terahertz Science and Technology, 2016, , 1-3.	3.1	19
81	Dynamics of charge-transfer excitons in type-II semiconductor heterostructures. Physical Review B, 2018, 97, .	3.2	19
82	Could photoluminescence spectroscopy be an alternative technique for the detection of microplastics? First experiments using a 405Ånm laser for excitation. Applied Physics B: Lasers and Optics, 2020, 126, 1.	2.2	19
83	Cavity enhanced terahertz modulation. Applied Physics Letters, 2014, 104, .	3.3	18
84	Non-destructive Analysis of Material Detachments from Polychromatically Glazed Terracotta Artwork by THz Time-of-Flight Spectroscopy. Journal of Infrared, Millimeter, and Terahertz Waves, 2017, 38, 495-502.	2.2	18
85	Terahertz Time-Domain Spectroscopy of Plasticized Poly(vinyl chloride). Analytical Chemistry, 2018, 90, 2409-2413.	6.5	18
86	Identifying microplastic litter with Laser Induced Breakdown Spectroscopy: A first approach. Marine Pollution Bulletin, 2021, 171, 112789.	5.0	18
87	Low Temperature Grown Be-doped InGaAs/InAlAs Photoconductive Antennas Excited at 1030Ånm. Journal of Infrared, Millimeter, and Terahertz Waves, 2013, 34, 231-237.	2.2	17
88	Extending the Alvarez-Lens Concept to Arbitrary Optical Devices: Tunable Gratings, Lenses, and Spiral Phase Plates. IEEE Transactions on Terahertz Science and Technology, 2017, 7, 320-325.	3.1	17
89	Quantification of microplastics: Which parameters are essential for a reliable inter-study comparison?. Marine Pollution Bulletin, 2020, 157, 111330.	5.0	17
90	3D Printed Al <sub>2</sub> O <sub>3</sub> for Terahertz Technology. IEEE Access, 2021, 9, 5986-5993.	4.2	17

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91	Determination of the Carbon Nanotube Concentration and Homogeneity in Resin Films by THz Spectroscopy and Imaging. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2012, 33, 1221-1226.	2.2	16
92	Energy scaling of compositional disorder in Ga(N,P,As)/GaP quantum well structures. <i>Physical Review B</i> , 2012, 86, .	3.2	16
93	Gate Tuning of Förster Resonance Energy Transfer in a Graphene - Quantum Dot FET Photo-Detector. <i>Scientific Reports</i> , 2016, 6, 28224.	3.3	16
94	Microcavity-enhanced Kerr nonlinearity in a vertical-external-cavity surface-emitting laser. <i>Optics Express</i> , 2019, 27, 11914.	3.4	16
95	Monitoring the Polymerization of Two-Component Epoxy Adhesives Using a Terahertz Time Domain Reflection System. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2015, 36, 569-577.	2.2	15
96	Self-mode-locked AlGaInP-VECSEL. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	15
97	3D Printed Prisms with Tunable Dispersion for the THz Frequency Range. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2018, 39, 553-560.	2.2	15
98	THz Properties of Typical Woods Important for European Forestry. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2019, 40, 770-774.	2.2	14
99	Gain spectroscopy of a type-II VECSEL chip. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	13
100	Terahertz-spectroscopy for non-destructive determination of crystallinity of L-tartaric acid in smartFilms <sup>®</sup> and tablets made from paper. <i>International Journal of Pharmaceutics</i> , 2020, 581, 119253.	5.2	13
101	Low temperature grown photoconductive antennas for pulsed 1060 nm excitation: Influence of excess energy on the electron relaxation. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2015, 36, 60-71.	2.2	12
102	Fabry-Pérot interferometer for sensing polar liquids at terahertz frequencies. <i>Journal of Applied Physics</i> , 2017, 121, .	2.5	12
103	Simple Ventilators for Emergency Use Based on Bag-Valve Pressing Systems: Lessons Learned and Future Steps. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7229.	2.5	12
104	Switchable THz Filter Based on a Vanadium Dioxide Layer Inside a Fabry-Pérot Cavity. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2015, 5, 1035-1039.	3.1	11
105	How free exciton-exciton annihilation lets bound exciton emission dominate the photoluminescence of 2D-perovskites under high-fluence pulsed excitation at cryogenic temperatures. <i>Journal of Applied Physics</i> , 2021, 129, .	2.5	11
106	Energy Scaling of Compositional Disorder in Ternary Transition-Metal Dichalcogenide Monolayers. <i>Advanced Electronic Materials</i> , 2021, 7, 2100196.	5.1	11
107	Exploring the Potential of Time-Resolved Photoluminescence Spectroscopy for the Detection of Plastics. <i>Applied Spectroscopy</i> , 2020, 74, 1161-1166.	2.2	11
108	Detection of THz radiation with semiconductor diode lasers. <i>Applied Physics Letters</i> , 2007, 91, .	3.3	9

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109	Molecular Terahertz Polarizability of PCH5, PCH7, and 5OCB. Journal of Infrared, Millimeter, and Terahertz Waves, 2011, 32, 1367-1370.	2.2	9
110	Contactless Water Status Measurements on Plants at 35 GHz. Journal of Infrared, Millimeter, and Terahertz Waves, 2015, 36, 312-317.	2.2	9
111	Investigating the Layer Structure and Insect Tunneling on a Wooden Putto Using Robotic-Based THz Tomography. IEEE Transactions on Terahertz Science and Technology, 2020, 10, 343-347.	3.1	9
112	Lensless digital holographic microscopy as an efficient method to monitor enzymatic plastic degradation. Marine Pollution Bulletin, 2021, 163, 111950.	5.0	9
113	Non-destructive crystallinity assessment of indomethacin in tablets made from smartFilms <sup>®</sup> using terahertz time-domain spectroscopy. Scientific Reports, 2022, 12, 6099.	3.3	9
114	Enhanced excitonic features in an anisotropic ReS <sub>2</sub> /WSe <sub>2</sub> heterostructure. Nanoscale, 2022, 14, 10851-10861.	5.6	9
115	THz Properties of Adhesives. Journal of Infrared, Millimeter, and Terahertz Waves, 2018, 39, 586-593.	2.2	8
116	The Effect of Humidity and Temperature on Dielectric Fibre-Bound THz Transmission. Journal of Infrared, Millimeter, and Terahertz Waves, 2019, 40, 1092-1102.	2.2	8
117	3D Printed Terahertz Rectangular Waveguides of Polystyrene and TOPAS: a Comparison. Journal of Infrared, Millimeter, and Terahertz Waves, 2019, 40, 1-4.	2.2	8
118	Removing Water Vapor Lines From THz-TDS Data Using Neural Networks. IEEE Transactions on Terahertz Science and Technology, 2020, 10, 397-403.	3.1	8
119	Weathering-induced oxidation: An investigation of artificially aged polystyrene samples using Laser-induced Breakdown Spectroscopy. Polymer Testing, 2022, 112, 107623.	4.8	8
120	Energy scale of compositional disorder in Ga(AsBi). Journal Physics D: Applied Physics, 2015, 48, 425101.	2.8	7
121	Influence of growth temperature and disorder on spectral and temporal properties of Ga(NAsP) heterostructures. Journal of Applied Physics, 2016, 119, .	2.5	7
122	Fundamental transverse mode operation of a type-II vertical-external-cavity surface-emitting laser at 1.2 $\mu\text{m}$ . Electronics Letters, 2017, 53, 93-94.	1.0	7
123	High accuracy terahertz time-domain system for reliable characterization of photoconducting antennas. Microwave and Optical Technology Letters, 2017, 59, 468-472.	1.4	7
124	Trapping of ZnCl <sub>2</sub> by bipyridyl-functionalized organotin sulfide clusters, and its effect on optical properties. Chemical Communications, 2020, 56, 4769-4772.	4.1	7
125	Widely Tunable Terahertz-Generating Semiconductor Disk Laser. Physica Status Solidi - Rapid Research Letters, 2020, 14, 2000204.	2.4	7
126	Nondestructive thickness determination of plastic pipes in a nearby industrial environment using terahertz time domain spectroscopy. , 2011, , .		6



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127	Monitoring the water content of plant leaves with THz time domain spectroscopy. , 2015, , .		6
128	Ultrafast THz Conductivity Dynamics of a Novel Fe-Doped InGaAs Quantum Photoconductor. IEEE Transactions on Terahertz Science and Technology, 2020, 10, 167-175.	3.1	6
129	High quality terahertz glass wave plates. Optics Express, 2018, 26, 32631.	3.4	6
130	Recognition of coal from other minerals in powder form using terahertz spectroscopy. Optics Express, 2020, 28, 30943.	3.4	6
131	Terahertz referenceless wavefront sensing by means of computational shear-interferometry. Optics Express, 2022, 30, 7068.	3.4	6
132	Enhanced Absorption by Linewidth Narrowing in Optically Excited Type-II Semiconductor Heterostructures. Physical Review Letters, 2018, 121, 017401.	7.8	5
133	Direct Probe of Room-Temperature Quantum-Tunneling Processes in Type-II Heterostructures Using Terahertz Emission Spectroscopy. Physical Review Applied, 2020, 13, .	3.8	5
134	Strongly nonresonant four-wave mixing in semiconductors. Physical Review B, 2020, 101, .	3.2	5
135	Radiative pattern of intralayer and interlayer excitons in two-dimensional WS <sub>2</sub> /WSe <sub>2</sub> heterostructure. Scientific Reports, 2022, 12, 6939.	3.3	5
136	A novel accurate method for attenuated total reflection spectroscopy. , 2014, , .		4
137	Analysis of optical scattering losses in vertical-external-cavity surface-emitting lasers. Applied Physics B: Lasers and Optics, 2015, 120, 41-46.	2.2	4
138	Investigations into the Application of Terahertz Radiation as a Control Possibility for Paint Layer Consolidations. Studies in Conservation, 2021, 66, 79-89.	1.1	4
139	Pyrene-terminated Tin Sulfide Clusters: Optical Properties and Deposition on a Metal Surface. Chemistry - A European Journal, 2021, 27, 2734-2741.	3.3	4
140	Quantitative Assessment of Rock-Coal Powder Mixtures by Terahertz Time Domain Spectroscopy. Journal of Infrared, Millimeter, and Terahertz Waves, 2021, 42, 742-746.	2.2	4
141	Chocolate inspection by means of phase-contrast imaging using multiple-plane terahertz phase retrieval. Optics Letters, 2022, 47, 3283.	3.3	4
142	Electric-field-induced exciton ionization in a GaAs/AlGaAs superlattice. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1995, 17, 1759-1762.	0.4	3
143	Folded dipole antenna for increased cw THz output power. , 2009, , .		3
144	Fiber-coupled terahertz transceiver heads for reflection measurements. , 2009, , .		3

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145	Terahertz beam steering using structured MEMS surfaces for networked wireless sensing. , 2012, , .		3
146	Carrier relaxation dynamics in a Ga(AsBi) single quantum well under high-intensity excitation conditions. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2013, 10, 1234-1237.	0.8	3
147	3D printed waveguides for 120 GHz. , 2016, , .		3
148	Band edge smearing due to compositional disorder in multi-component $d$ -dimensional alloys. <i>Physica Status Solidi - Rapid Research Letters</i> , 2016, 10, 911-914.	2.4	3
149	Investigation of the Beam Quality of a Terahertz Emitting Vertical-External-Cavity Surface-Emitting Laser. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2016, 37, 536-539.	2.2	3
150	Impact of detuning on the performance of semiconductor disk lasers. <i>Applied Physics B: Lasers and Optics</i> , 2017, 123, 1.	2.2	3
151	Correlation of optical properties and interface morphology in type-II semiconductor heterostructures. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 014001.	1.8	3
152	Wavelength and Pump-Power Dependent Nonlinear Refraction and Absorption in a Semiconductor Disk Laser. <i>IEEE Photonics Technology Letters</i> , 2020, 32, 85-88.	2.5	3
153	Probing the ultrafast gain and refractive index dynamics of a VECSEL. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	3
154	Improved dielectric mirrors for the THz frequency range. , 2006, 6194, 155.		2
155	Two-energy-scale model for description of the thermal quenching of photoluminescence in disordered Ga(As,Bi). <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2015, 12, 1187-1190.	0.8	2
156	Fiber coupled THz QTDS at 1550 nm. , 2016, , .		2
157	3D printed chirped dielectric waveguide for focusing applications. , 2016, , .		2
158	Assessment of plants' reaction to drought stress using THz time domain spectroscopy. , 2016, , .		2
159	Plant water status monitoring with THz QTDS. , 2016, , .		2
160	THz time domain spectroscopy " Non-destructive evaluation of material detachments from exposed natural stone and ceramic objects. , 2017, , .		2
161	Deep Learning Approach for Removal of Water Vapor Effects from THz-TDS Signals. , 2019, , .		2
162	On-site inspection of conservation works using THz TDS. , 2019, , .		2

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163	Repurposing CPAP machines as stripped-down ventilators. Scientific Reports, 2021, 11, 12204.	3.3	2
164	Extracting microplastic decay rates from field data. Scientific Reports, 2022, 12, 1223.	3.3	2
165	On the reliability of power measurements in the terahertz band. Communications Physics, 2022, 5, .	5.3	2
166	Comment on "Interplay of Structural and Optoelectronic Properties in Formamidinium Mixed Tin-Lead Triiodide Perovskites", Advanced Functional Materials, 0, , 2201309.	14.9	2
167	Z-scan based fiber-coupled coherent cw THz imaging system. , 2009, , .		1
168	Nondestructive detection of delaminations in plastic weld joints. , 2010, , .		1
169	Terahertz Investigation of Liquid Crystals from the CB Family. , 2010, , .		1
170	Carbon Nanotube concentration and distribution determination with terahertz waves. , 2011, , .		1
171	Terahertz testing of adhesive bonds. , 2011, , .		1
172	Carrier dynamics in (ZnMg)O alloy materials. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 1149-1152.	0.8	1
173	Study of the two-color emission dynamics from a vertical-external-cavity surface-emitting laser. , 2012, , .		1
174	Nondestructive determination of defects in firmly joint plastic compounds with portable THz system. , 2013, , .		1
175	<i>In situ</i> spectroscopy of high-power vertical-external-cavity surface-emitting lasers. Physica Status Solidi (B): Basic Research, 2013, 250, 1781-1784.	1.5	1
176	Terahertz vector besell beams generated by plasmonic waveguide scattering. , 2014, , .		1
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