

Martin Koch

List of Publications by Year in descending order

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222
papers

7,529
citations

81900

39
h-index

58581

82
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223
all docs

223
docs citations

223
times ranked

6467
citing authors

#	ARTICLE	IF	CITATIONS
1	Deposition and in-situ translocation of microplastics in floodplain soils. <i>Science of the Total Environment</i> , 2022, 819, 152039.	8.0	21
2	Terahertz referenceless wavefront sensing by means of computational shear-interferometry. <i>Optics Express</i> , 2022, 30, 7068.	3.4	6
3	Extracting microplastic decay rates from field data. <i>Scientific Reports</i> , 2022, 12, 1223.	3.3	2
4	On the reliability of power measurements in the terahertz band. <i>Communications Physics</i> , 2022, 5, .	5.3	2
5	Recent advances in terahertz imaging: 1999 to 2021. <i>Applied Physics B: Lasers and Optics</i> , 2022, 128, 1.	2.2	56
6	Non-destructive crystallinity assessment of indomethacin in tablets made from smartFilms [®] using terahertz time-domain spectroscopy. <i>Scientific Reports</i> , 2022, 12, 6099.	3.3	9
7	Radiative pattern of intralayer and interlayer excitons in two-dimensional WS ₂ /WSe ₂ heterostructure. <i>Scientific Reports</i> , 2022, 12, 6939.	3.3	5
8	Weathering-induced oxidation: An investigation of artificially aged polystyrene samples using Laser-induced Breakdown Spectroscopy. <i>Polymer Testing</i> , 2022, 112, 107623.	4.8	8
9	Chocolate inspection by means of phase-contrast imaging using multiple-plane terahertz phase retrieval. <i>Optics Letters</i> , 2022, 47, 3283.	3.3	4
10	Enhanced excitonic features in an anisotropic ReS ₂ /WSe ₂ heterostructure. <i>Nanoscale</i> , 2022, 14, 10851-10861.	5.6	9
11	Investigations into the Application of Terahertz Radiation as a Control Possibility for Paint Layer Consolidations. <i>Studies in Conservation</i> , 2021, 66, 79-89.	1.1	4
12	Pyrene-terminated Tin Sulfide Clusters: Optical Properties and Deposition on a Metal Surface. <i>Chemistry - A European Journal</i> , 2021, 27, 2734-2741.	3.3	4
13	3D Printed Al ₂ O ₃ for Terahertz Technology. <i>IEEE Access</i> , 2021, 9, 5986-5993.	4.2	17
14	Lensless digital holographic microscopy as an efficient method to monitor enzymatic plastic degradation. <i>Marine Pollution Bulletin</i> , 2021, 163, 111950.	5.0	9
15	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
16	Energy Scaling of Compositional Disorder in Ternary Transition ⁺ Metal Dichalcogenide Monolayers. <i>Advanced Electronic Materials</i> , 2021, 7, 2100196.	5.1	11
17	Repurposing CPAP machines as stripped-down ventilators. <i>Scientific Reports</i> , 2021, 11, 12204.	3.3	2
18	Quantitative Assessment of Rock-Coal Powder Mixtures by Terahertz Time Domain Spectroscopy. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2021, 42, 742-746.	2.2	4

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19	Photoexcitation Dynamics in Strongly Interacting Donor/Acceptor Blends Probed by Time-Resolved Photoluminescence Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2021, 125, 17194-17201.	3.1	0
20	Identifying microplastic litter with Laser Induced Breakdown Spectroscopy: A first approach. <i>Marine Pollution Bulletin</i> , 2021, 171, 112789.	5.0	18
21	Dielectric Properties of 3D Printed Alumina in the THz Range. , 2021, , .		0
22	Terahertz Sensors for non-Destructive Primer Detection. , 2021, , .		0
23	Characterization of Building Materials for THz Communications. , 2021, , .		0
24	Probing the ultrafast gain and refractive index dynamics of a VECSEL. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	3
25	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
26	Ultrafast THz Conductivity Dynamics of a Novel Fe-Doped InGaAs Quantum Photoconductor. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2020, 10, 167-175.	3.1	6
27	Could photoluminescence spectroscopy be an alternative technique for the detection of microplastics? First experiments using a 405Ånm laser for excitation. <i>Applied Physics B: Lasers and Optics</i> , 2020, 126, 1.	2.2	19
28	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
29	Terahertz Inspection of Buildings and Architectural Art. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5166.	2.5	27
30	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
31	Removing Water Vapor Lines From THz-TDS Data Using Neural Networks. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2020, 10, 397-403.	3.1	8
32	Direct Probe of Room-Temperature Quantum-Tunneling Processes in Type-II Heterostructures Using Terahertz Emission Spectroscopy. <i>Physical Review Applied</i> , 2020, 13, .	3.8	5
33	Quantification of microplastics: Which parameters are essential for a reliable inter-study comparison?. <i>Marine Pollution Bulletin</i> , 2020, 157, 111330.	5.0	17
34	Additive manufacture of photonic components for the terahertz band. <i>Journal of Applied Physics</i> , 2020, 127, .	2.5	44
35	Terahertz-spectroscopy for non-destructive determination of crystallinity of L-tartaric acid in smartFilmsA® and tablets made from paper. <i>International Journal of Pharmaceutics</i> , 2020, 581, 119253.	5.2	13
36	Trapping of ZnCl ₂ by bipyridyl-functionalized organotin sulfide clusters, and its effect on optical properties. <i>Chemical Communications</i> , 2020, 56, 4769-4772.	4.1	7

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37	Widely Tunable Terahertz-Generating Semiconductor Disk Laser. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020, 14, 2000204.	2.4	7
38	Strongly nonresonant four-wave mixing in semiconductors. <i>Physical Review B</i> , 2020, 101, .	3.2	5
39	Free-Standing Complementary Asymmetric Metasurface for Terahertz Sensing Applications. <i>Sensors</i> , 2020, 20, 2265.	3.8	24
40	Investigating the Layer Structure and Insect Tunneling on a Wooden Putto Using Robotic-Based THz Tomography. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2020, 10, 343-347.	3.1	9
41	Exploring the Potential of Time-Resolved Photoluminescence Spectroscopy for the Detection of Plastics. <i>Applied Spectroscopy</i> , 2020, 74, 1161-1166.	2.2	11
42	Recognition of coal from other minerals in powder form using terahertz spectroscopy. <i>Optics Express</i> , 2020, 28, 30943.	3.4	6
43	Monitoring fungus infestation of common beech wood using terahertz radiation. <i>Holzforschung</i> , 2020, 74, 635-641.	1.9	1
44	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
45	On the Potential of THz Time-Domain Spectroscopy to Identify Typical Ancient Egyptian Embalming Materials. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2019, 40, 763-769.	2.2	1
46	Sub-surface analysis of ancient human remains using a robotic-based THz system. , 2019, , .		1
47	Deep Learning Approach for Removal of Water Vapor Effects from THz-TDS Signals. , 2019, , .		2
48	Terahertz Metamaterials based on Free-standing Complementary Asymmetric Split Ring Resonators for Sensing Applications. , 2019, , .		0
49	Application of a robotic THz imaging system for sub-surface analysis of ancient human remains. <i>Scientific Reports</i> , 2019, 9, 3390.	3.3	58
50	THz TDS System Driven by a Commercially Available Laser Diode. , 2019, , .		1
51	Nonlinear Lensing Phenomena in Semiconductor Disk Lasers. , 2019, , .		0
52	The Effect of Humidity and Temperature on Dielectric Fibre-Bound THz Transmission. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2019, 40, 1092-1102.	2.2	8
53	On-site inspection of conservation works using THz TDS. , 2019, , .		2
54	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

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55	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
56	Microcavity-enhanced Kerr nonlinearity in a vertical-external-cavity surface-emitting laser. Optics Express, 2019, 27, 11914.	3.4	16
57	3D Printed Prisms with Tunable Dispersion for the THz Frequency Range. Journal of Infrared, Millimeter, and Terahertz Waves, 2018, 39, 553-560.	2.2	15
58	Terahertz Time-Domain Spectroscopy of Plasticized Poly(vinyl chloride). Analytical Chemistry, 2018, 90, 2409-2413.	6.5	18
59	THz Properties of Adhesives. Journal of Infrared, Millimeter, and Terahertz Waves, 2018, 39, 586-593.	2.2	8
60	Rhodium doped InGaAs: A superior ultrafast photoconductor. Applied Physics Letters, 2018, 112, .	3.3	22
61	Dynamics of charge-transfer excitons in type-II semiconductor heterostructures. Physical Review B, 2018, 97, .	3.2	19
62	Digital Aerosol Jet Printing for the Fabrication of Terahertz Metamaterials. Advanced Materials Technologies, 2018, 3, 1700236.	5.8	25
63	3D-Printed Tunable THz Prism. , 2018, , .		1
64	Enhanced Absorption by Linewidth Narrowing in Optically Excited Type-II Semiconductor Heterostructures. Physical Review Letters, 2018, 121, 017401.	7.8	5
65	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
66	Self-mode-locking and nonlinear lensing in VECSELS. , 2018, , .		0
67	High quality terahertz glass wave plates. Optics Express, 2018, 26, 32631.	3.4	6
68	Fundamental transverse mode operation of a type-II vertical-external-cavity surface-emitting laser at 1.2 Åµm. Electronics Letters, 2017, 53, 93-94.	1.0	7
69	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
70	3D Printed Terahertz Focusing Grating Couplers. Journal of Infrared, Millimeter, and Terahertz Waves, 2017, 38, 708-716.	2.2	21
71	Fabry-Pérot interferometer for sensing polar liquids at terahertz frequencies. Journal of Applied Physics, 2017, 121, .	2.5	12
72	Evidence for Anisotropic Electronic Coupling of Charge Transfer States in Weakly Interacting Organic Semiconductor Mixtures. Journal of the American Chemical Society, 2017, 139, 8474-8486.	13.7	40

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73	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
74	High accuracy terahertz time-domain system for reliable characterization of photoconducting antennas. Microwave and Optical Technology Letters, 2017, 59, 468-472.	1.4	7
75	The 2017 terahertz science and technology roadmap. Journal Physics D: Applied Physics, 2017, 50, 043001.	2.8	1,160
76	Frontispiece: Crystallization Caught in the Act with Terahertz Spectroscopy: Non-Classical Pathway for $\alpha(+)$ -Tartaric Acid. Chemistry - A European Journal, 2017, 23, .	3.3	0
77	Crystallization Caught in the Act with Terahertz Spectroscopy: Non-Classical Pathway for $\alpha(+)$ -Tartaric Acid. Chemistry - A European Journal, 2017, 23, 14128-14132.	3.3	21
78	A THz Tomography System for Arbitrarily Shaped Samples. Journal of Infrared, Millimeter, and Terahertz Waves, 2017, 38, 1179-1182.	2.2	33
79	Field-induced exciton dissociation in PTB7-based organic solar cells. Physical Review B, 2017, 95, .	3.2	35
80	Communications with THz Waves: Switching Data Between Two Waveguides. Journal of Infrared, Millimeter, and Terahertz Waves, 2017, 38, 1316-1320.	2.2	21
81	Impact of detuning on the performance of semiconductor disk lasers. Applied Physics B: Lasers and Optics, 2017, 123, 1.	2.2	3
82	Self-mode-locked AlGaInP-VECSEL. Applied Physics Letters, 2017, 111, .	3.3	15
83	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
84	Experimental characterization of dielectric parameter extraction uncertainty for low absorbing liquids using THz TDS. , 2017, , .		1
85	Investigating the crystallinity of Poly(butylene)terephthalate (PBT): Correlation between THz TDS measurements and X-ray scattering data. , 2017, , .		0
86	THz transmission blazed grating made out of paper tissue. , 2017, , .		1
87	Robotic-Based THz imaging system for freeform surfaces. , 2017, , .		1
88	THz time domain spectroscopy " Non-destructive evaluation of material detachments from exposed natural stone and ceramic objects. , 2017, , .		2
89	3D printed dielectric rectangular waveguides, splitters and couplers for 120 GHz. Optics Express, 2016, 24, 28968.	3.4	64
90	Gain spectroscopy of a type-II VECSEL chip. Applied Physics Letters, 2016, 109, .	3.3	13

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91	Self-mode-locked semiconductor disk lasers. , 2016, , .		0
92	Terahertz waveguide sensor for small volume liquid samples. , 2016, , .		1
93	Periodic sampling errors in THz measurements. , 2016, , .		0
94	Fiber coupled THz QTDS at 1550 nm. , 2016, , .		2
95	Uncertainty analysis for attenuated total reflection THz-TDS. , 2016, , .		0
96	3D printed chirped dielectric waveguide for focusing applications. , 2016, , .		2
97	Assessment of plants' reaction to drought stress using THz time domain spectroscopy. , 2016, , .		2
98	Fabry-perot cavity for sensing polar liquids at terahertz frequencies. , 2016, , .		0
99	Influence of growth temperature and disorder on spectral and temporal properties of Ga(NAsP) heterostructures. Journal of Applied Physics, 2016, 119, .	2.5	7
100	3D printed waveguides for 120 GHz. , 2016, , .		3
101	Plant water status monitoring with THz QTDS. , 2016, , .		2
102	Fabrication of gradient-refractive-index lenses for terahertz applications by three-dimensional printing. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 928.	2.1	42
103	A serially-connected two-chip VECSEL for dual-wavelength emission. , 2016, , .		0
104	Quality Control of Sugar Beet Seeds With THz Time-Domain Spectroscopy. IEEE Transactions on Terahertz Science and Technology, 2016, , 1-3.	3.1	19
105	Band edge smearing due to compositional disorder in multi-component d -dimensional alloys. Physica Status Solidi - Rapid Research Letters, 2016, 10, 911-914.	2.4	3
106	Gate Tuning of Förster Resonance Energy Transfer in a Graphene - Quantum Dot FET Photo-Detector. Scientific Reports, 2016, 6, 28224.	3.3	16
107	Investigation of the Beam Quality of a Terahertz Emitting Vertical-External-Cavity Surface-Emitting Laser. Journal of Infrared, Millimeter, and Terahertz Waves, 2016, 37, 536-539.	2.2	3
108	THz ATR Spectroscopy for Inline Monitoring of Highly Absorbing Liquids. Journal of Infrared, Millimeter, and Terahertz Waves, 2016, 37, 1001-1006.	2.2	26

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109	Dual-Wavelength Emission From a Serially Connected Two-Chip VECSEL. IEEE Photonics Technology Letters, 2016, 28, 927-929.	2.5	21
110	THz-Spectroscopy on High Density Polyethylene with Different Crystallinity. Journal of Infrared, Millimeter, and Terahertz Waves, 2016, 37, 189-197.	2.2	48
111	THz Optics 3D Printed with TOPAS. Journal of Infrared, Millimeter, and Terahertz Waves, 2016, 37, 303-307.	2.2	71
112	Terahertz meets sculptural and architectural art: Evaluation and conservation of stone objects with T-ray technology. Scientific Reports, 2015, 5, 14842.	3.3	57
113	Two-energy-scale model for description of the thermal quenching of photoluminescence in disordered Ga(As,Bi). Physica Status Solidi C: Current Topics in Solid State Physics, 2015, 12, 1187-1190.	0.8	2
114	Energy scale of compositional disorder in Ga(AsBi). Journal Physics D: Applied Physics, 2015, 48, 425101.	2.8	7
115	Thermal quenching of photoluminescence in Ga(AsBi). Journal of Applied Physics, 2015, 117, 025709.	2.5	19
116	Time-Resolved Charge-Transfer State Emission in Organic Solar Cells: Temperature and Blend Composition Dependences of Interfacial Traps. Journal of Physical Chemistry C, 2015, 119, 13516-13523.	3.1	27
117	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
118	Switchable THz Filter Based on a Vanadium Dioxide Layer Inside a Fabry-Pérot Cavity. IEEE Transactions on Terahertz Science and Technology, 2015, 5, 1035-1039.	3.1	11
119	Monitoring the crystallization of NaCl and NaI with THz ATR spectroscopy. , 2015, , .		1
120	A cost efficient and scalable THz-QTDS system. , 2015, , .		0
121	Monitoring the water content of plant leaves with THz time domain spectroscopy. , 2015, , .		6
122	Curing monitoring of two-component epoxy adhesives at THz frequencies. , 2015, , .		0
123	Focus free terahertz reflection imaging and tomography with Bessel beams. Journal of Infrared, Millimeter, and Terahertz Waves, 2015, 36, 318-326.	2.2	30
124	Terahertz Metamaterials with Ultrahigh Angular Sensitivity. Advanced Optical Materials, 2015, 3, 642-645.	7.3	32
125	Contactless Water Status Measurements on Plants at 35 GHz. Journal of Infrared, Millimeter, and Terahertz Waves, 2015, 36, 312-317.	2.2	9
126	Monitoring the Polymerization of Two-Component Epoxy Adhesives Using a Terahertz Time Domain Reflection System. Journal of Infrared, Millimeter, and Terahertz Waves, 2015, 36, 569-577.	2.2	15

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127	Monitoring leaf water content with THz and sub-THz waves. <i>Plant Methods</i> , 2015, 11, 15.	4.3	102
128	Analysis of optical scattering losses in vertical-external-cavity surface-emitting lasers. <i>Applied Physics B: Lasers and Optics</i> , 2015, 120, 41-46.	2.2	4
129	Laser beam machined free-standing terahertz metamaterials. <i>Electronics Letters</i> , 2015, 51, 1012-1014.	1.0	21
130	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
131	Monitoring the water status of plants using THz radiation. , 2014, , .		29
132	Cavity enhanced modulation of sharp THz bands. , 2014, , .		0
133	Terahertz vector Bessel beams generated by plasmonic waveguide scattering. , 2014, , .		1
134	Self-mode-locked quantum-dot vertical-external-cavity surface-emitting laser. <i>Optics Letters</i> , 2014, 39, 4623.	3.3	35
135	Trapped eigenmodes in terahertz asymmetric metamolecules. , 2014, , .		1
136	Self-mode-locking semiconductor disk laser. <i>Optics Express</i> , 2014, 22, 28390.	3.4	46
137	A novel accurate method for attenuated total reflection spectroscopy. , 2014, , .		4
138	Harmonic self-mode-locking of optically pumped semiconductor disc laser. <i>Electronics Letters</i> , 2014, 50, 542-543.	1.0	39
139	Cavity enhanced terahertz modulation. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	18
140	Field Exposure and Dosimetry in the THz Frequency Range. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2014, 4, 12-25.	3.1	24
141	Optical Properties of 3D Printable Plastics in the THz Regime and their Application for 3D Printed THz Optics. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2014, 35, 993-997.	2.2	156
142	Excitation of multiple trapped-eigenmodes in terahertz metamolecule lattices. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	32
143	High-Power Quantum-Dot Vertical-External-Cavity Surface-Emitting Laser Exceeding 8 W. <i>IEEE Photonics Technology Letters</i> , 2014, 26, 1561-1564.	2.5	19
144	Error from Delay Drift in Terahertz Attenuated Total Reflection Spectroscopy. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2014, 35, 468-477.	2.2	22

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145	Evolution of multi-mode emission from vertical-external-cavity surface-emitting lasers. , 2014, , .		0
146	Highly birefringent, low-loss liquid crystals for terahertz applications. APL Materials, 2013, 1, .	5.1	79
147	64â€%<i>Î¼</i>W pulsed terahertz emission from growth optimized InGaAs/InAlAs heterostructures with separated photoconductive and trapping regions. Applied Physics Letters, 2013, 103, .	3.3	91
148	Quantitative study of localization effects and recombination dynamics in GaAsBi/GaAs single quantum wells. Journal of Applied Physics, 2013, 114, 164306.	2.5	33
149	Carrier relaxation dynamics in a Ga(AsBi) single quantum well under high-intensity excitation conditions. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1234-1237.	0.8	3
150	Novel THz Metamaterial Designs: From Near- and Far-Field Coupling to High-Q Resonances. IEEE Transactions on Terahertz Science and Technology, 2013, 3, 772-782.	3.1	37
151	The Fano Resonance in Symmetry Broken Terahertz Metamaterials. IEEE Transactions on Terahertz Science and Technology, 2013, 3, 820-826.	3.1	95
152	Terahertz and optical properties of nematic mixtures composed of liquid crystal isothiocyanates, fluorides and cyanides. Journal of Materials Chemistry C, 2013, 1, 4457.	5.5	35
153	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
154	Room-temperature terahertz generation using vertical-external-cavity surface-emitting lasers. , 2013, , .		0
155	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
156	Beating the wavelength limit: three-dimensional imaging of buried subwavelength fractures in sculpture and construction materials by terahertz time-domain reflection spectroscopy. Applied Optics, 2013, 52, 375.	1.8	32
157	On the measurement of the thermal impedance in vertical-external-cavity surface-emitting lasers. Journal of Applied Physics, 2013, 113, 153102.	2.5	21
158	Nondestructive determination of defects in firmly joint plastic compounds with portable THz system. , 2013, , .		1
159	Highly refracting terahertz lenses made of polymeric compounds. , 2013, , .		0
160	Low-cost delay line for fast terahertz imaging. , 2013, , .		0
161	High-Q, easy-to-realize terahertz bandpass filters based on Fabry-Pèrot reflections between meta-surfaces. , 2013, , .		0
162	<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

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163	THz-manipulation of excitonic polarization in (GaIn)As/GaAs quantum wells. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1226-1229.	0.8	0
164	Room temperature excitonic recombination in GaInN/GaN quantum wells. Applied Physics Letters, 2013, 103, 202106.	3.3	45
165	Time-dynamics of the two-color emission from vertical-external-cavity surface-emitting lasers. Applied Physics Letters, 2012, 100, .	3.3	21
166	Determination of the Carbon Nanotube Concentration and Homogeneity in Resin Films by THz Spectroscopy and Imaging. Journal of Infrared, Millimeter, and Terahertz Waves, 2012, 33, 1221-1226.	2.2	16
167	On the Measurement of the Thermal Resistance of Vertical-External-Cavity Surface-Emitting Lasers (VECSELs). IEEE Journal of Quantum Electronics, 2012, 48, 934-940.	1.9	34
168	Terahertz beam focusing based on plasmonic waveguide scattering. Applied Physics Letters, 2012, 101, .	3.3	23
169	Study of the two-color emission dynamics from a vertical-external-cavity surface-emitting laser. , 2012, , .		1
170	Terahertz beam steering using structured MEMS surfaces for networked wireless sensing. , 2012, , .		3
171	THz photonic band-gap prisms fabricated by fiber drawing. , 2012, , .		0
172	Astigmatism-free Brewster lenses for terahertz applications. , 2012, , .		0
173	Pushing the output powers of transversal multimode VECSELs beyond the 100 W barrier. , 2012, , .		0
174	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
175	Pulsed THz emission from low temperature grown Be-doped InGaAs/InAlAs photoconductive switches at 1030 nm excitation. , 2012, , .		0
176	Energy scaling of compositional disorder in Ga(N,P,As)/GaP quantum well structures. Physical Review B, 2012, 86, .	3.2	16
177	Electrically Tunable Terahertz Notch Filters. Journal of Infrared, Millimeter, and Terahertz Waves, 2012, 33, 327-332.	2.2	56
178	Carbon Nanotube concentration and distribution determination with terahertz waves. , 2011, , .		1
179	Terahertz testing of adhesive bonds. , 2011, , .		1
180	Mode profiling of THz fibers with dynamic aperture near-field imaging. , 2011, , .		0

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181	Nondestructive thickness determination of plastic pipes in a nearby industrial environment using terahertz time domain spectroscopy. , 2011, , .		6
182	Morphological analyses of polybutylene terephthalate by terahertz time-domain spectroscopy. , 2011, , .		0
183	Polarization and angle independent terahertz metamaterials with high Q-factors. Applied Physics Letters, 2011, 98, .	3.3	65
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