

Jianquan Yao

List of Publications by Year in descending order

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231
papers

4,077
citations

126708

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237
docs citations

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times ranked

3606
citing authors

#	ARTICLE	IF	CITATIONS
1	The terahertz electromagnetically induced transparency-like metamaterials for sensitive biosensors in the detection of cancer cells. <i>Biosensors and Bioelectronics</i> , 2019, 126, 485-492.	5.3	235
2	Graphene-based tunable terahertz plasmon-induced transparency metamaterial. <i>Nanoscale</i> , 2016, 8, 15273-15280.	2.8	151
3	Analysis of Graphene-Based Photonic Crystal Fiber Sensor Using Birefringence and Surface Plasmon Resonance. <i>Plasmonics</i> , 2017, 12, 489-496.	1.8	145
4	Surface Plasmon Resonance Temperature Sensor Based on Photonic Crystal Fibers Randomly Filled with Silver Nanowires. <i>Sensors</i> , 2014, 14, 16035-16045.	2.1	100
5	Broadband Phototransistor Based on CH ₃ NH ₃ PbI ₃ Perovskite and PbSe Quantum Dot Heterojunction. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 445-451.	2.1	99
6	A terahertz metamaterial biosensor for sensitive detection of microRNAs based on gold-nanoparticles and strand displacement amplification. <i>Biosensors and Bioelectronics</i> , 2021, 175, 112874.	5.3	89
7	Terahertz toroidal metasurface biosensor for sensitive distinction of lung cancer cells. <i>Nanophotonics</i> , 2021, 11, 101-109.	2.9	74
8	Ultrabroadband, Ultraviolet to Terahertz, and High Sensitivity CH ₃ NH ₃ PbI ₃ Perovskite Photodetectors. <i>Nano Letters</i> , 2020, 20, 5646-5654.	4.5	73
9	Magneto-Optical Modulation of Photonic Spin Hall Effect of Graphene in Terahertz Region. <i>Advanced Optical Materials</i> , 2018, 6, 1701212.	3.6	67
10	Temperature Sensor Based on Fiber Ring Laser With Sagnac Loop. <i>IEEE Photonics Technology Letters</i> , 2016, 28, 794-797.	1.3	63
11	Surface plasmon resonance sensor based on hollow-core PCFs filled with silver nanowires. <i>Electronics Letters</i> , 2015, 51, 1675-1677.	0.5	57
12	Broadband and wide-angle RCS reduction using a 2-bit coding ultrathin metasurface at terahertz frequencies. <i>Scientific Reports</i> , 2016, 6, 39252.	1.6	57
13	Light assisted multilevel resistive switching memory devices based on all-inorganic perovskite quantum dots. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	55
14	Fabrication of Covalently Functionalized Graphene Oxide Incorporated Solid-State Hybrid Silica Gel Glasses and Their Improved Nonlinear Optical Response. <i>Journal of Physical Chemistry C</i> , 2013, 117, 23108-23116.	1.5	51
15	An Exposed-Core Grapefruit Fibers Based Surface Plasmon Resonance Sensor. <i>Sensors</i> , 2015, 15, 17106-17114.	2.1	50
16	Ferrofluid-Infiltrated Microstructured Optical Fiber Long-Period Grating. <i>IEEE Photonics Technology Letters</i> , 2013, 25, 306-309.	1.3	48
17	All-Perovskite Photodetector with Fast Response. <i>Nanoscale Research Letters</i> , 2019, 14, 291.	3.1	48
18	A Refractive Index Sensor Based on PCF With Ultra-Wide Detection Range. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021, 27, 1-8.	1.9	46

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19	Plasmon-Induced Transparency in Metamaterial Based on Graphene and Split-Ring Resonators. IEEE Photonics Technology Letters, 2015, 27, 1321-1324.	1.3	44
20	Optically pumped terahertz sources. Science China Technological Sciences, 2017, 60, 1801-1818.	2.0	44
21	All-Dielectric Metasurface for Manipulating the Superpositions of Orbital Angular Momentum via Spin-Decoupling. Advanced Optical Materials, 2021, 9, 2002007.	3.6	44
22	Multiheterojunction Phototransistors Based on Graphene-PbSe Quantum Dot Hybrids. Journal of Physical Chemistry C, 2015, 119, 21739-21743.	1.5	43
23	Study of in vivo brain glioma in a mouse model using continuous-wave terahertz reflection imaging. Biomedical Optics Express, 2019, 10, 3953.	1.5	43
24	The Antibody-Free Recognition of Cancer Cells Using Plasmonic Biosensor Platforms with the Anisotropic Resonant Metasurfaces. ACS Applied Materials & Interfaces, 2020, 12, 11388-11396.	4.0	42
25	A fast response, self-powered and room temperature near infrared-terahertz photodetector based on a MAPbI ₃ /PEDOT:PSS composite. Journal of Materials Chemistry C, 2020, 8, 12148-12154.	2.7	41
26	Optically tunable all-silicon chiral metasurface in terahertz band. Applied Physics Letters, 2021, 118, .	1.5	41
27	Efficient Continuous-Wave 1053-nm Nd:GYSGG Laser With Passively Q-Switched Dual-Wavelength Operation for Terahertz Generation. IEEE Journal of Quantum Electronics, 2013, 49, 375-379.	1.0	39
28	High Performances for Solution-Processed OD-OD Heterojunction Phototransistors. Advanced Optical Materials, 2017, 5, 1700565.	3.6	39
29	Fiber Ring Laser Temperature Sensor Based on Liquid-Filled Photonic Crystal Fiber. IEEE Sensors Journal, 2017, 17, 6948-6952.	2.4	39
30	Metal-Graphene Hybrid Chiral Metamaterials for Tunable Circular Dichroism. Annalen Der Physik, 2020, 532, 2000065.	0.9	39
31	A New Ba _{0.6} Sr _{0.4} TiO ₃ -Silicon Hybrid Metamaterial Device in Terahertz Regime. Small, 2016, 12, 2610-2615.	5.2	38
32	Humidity Sensor Based on Fabry-Perot Interferometer and Intracavity Sensing of Fiber Laser. Journal of Lightwave Technology, 2017, 35, 4789-4795.	2.7	37
33	Broadband photoelectric tunable quantum dot based resistive random access memory. Journal of Materials Chemistry C, 2020, 8, 2178-2185.	2.7	37
34	All-Optical Switchable Vanadium Dioxide Integrated Coding Metasurfaces for Wavefront and Polarization Manipulation of Terahertz Beams. Advanced Theory and Simulations, 2020, 3, 1900183.	1.3	36
35	A Hollow-Core Photonic Crystal Fiber-Based SPR Sensor With Large Detection Range. IEEE Photonics Journal, 2017, 9, 1-7.	1.0	35
36	High-performance photodetector using CsPbBr ₃ perovskite nanocrystals and graphene hybrid channel. Journal of Materials Science, 2021, 56, 2341-2346.	1.7	32

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37	All-dielectric chiral coding metasurface based on spin-decoupling in terahertz band. <i>Nanophotonics</i> , 2021, 10, 1347-1355.	2.9	32
38	Ultrasensitive, light-induced reversible multidimensional biosensing using THz metasurfaces hybridized with patterned graphene and perovskite. <i>Nanophotonics</i> , 2022, 11, 1219-1230.	2.9	32
39	Relative Humidity Sensor Based on No-Core Fiber Coated by Agarose-Gel Film. <i>Sensors</i> , 2017, 17, 2353.	2.1	31
40	Simultaneous Measurement of Temperature and Relative Humidity Based on a Microfiber Sagnac Loop and MoS ₂ . <i>Journal of Lightwave Technology</i> , 2020, 38, 840-845.	2.7	30
41	High-energy and ultra-wideband tunable terahertz source with DAST crystal via difference frequency generation. <i>Applied Physics B: Lasers and Optics</i> , 2018, 124, 1.	1.1	29
42	Coherent Random Lasing in Colloidal Quantum Dot-Doped Polymer-Dispersed Liquid Crystal with Low Threshold and High Stability. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 767-774.	2.1	29
43	Terahertz spectroscopic diagnosis of early blast-induced traumatic brain injury in rats. <i>Biomedical Optics Express</i> , 2020, 11, 4085.	1.5	28
44	Refractive Index and Temperature Sensing Based on Surface Plasmon Resonance and Directional Resonance Coupling in a PCF. <i>IEEE Photonics Journal</i> , 2017, 9, 1-7.	1.0	27
45	SPR Sensor Based on Exposed-Core Grapefruit Fiber With Bimetallic Structure. <i>IEEE Photonics Technology Letters</i> , 2016, 28, 649-652.	1.3	26
46	Temperature Sensor Based on Hollow Fiber Filled with Graphene-Ag Composite Nanowire and Liquid. <i>Plasmonics</i> , 2017, 12, 1805-1811.	1.8	26
47	Ambipolar Quantum-Dot-Based Low-Voltage Nonvolatile Memory with Double Floating Gates. <i>ACS Photonics</i> , 2017, 4, 2220-2227.	3.2	26
48	Dual-Direction Magnetic Field Sensor Based on Core-Offset Microfiber and Ferrofluid. <i>IEEE Photonics Technology Letters</i> , 2014, 26, 1581-1584.	1.3	25
49	Surface plasmon resonance sensor based on exposed-core microstructured optical fibres. <i>Electronics Letters</i> , 2015, 51, 714-715.	0.5	25
50	Orientation-dependent THz emission in non-collinear antiferromagnetic Mn ₃ Sn and Mn ₃ Sn-based heterostructures. <i>Applied Physics Letters</i> , 2019, 115, .	1.5	25
51	Methyl substitution for noncentrosymmetric stacking: a promising organic single crystal for highly efficient terahertz-wave generation. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4226-4233.	2.7	25
52	Terahertz Radiation Modulated by Confinement of Picosecond Current Based on Patterned Ferromagnetic Heterostructures. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019, 13, 1900057.	1.2	24
53	High-performance self-powered perovskite photodetector for visible light communication. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	24
54	Photoerasable Organic Field-Effect Transistor Memory Based on a One-Step Solution-Processed Hybrid Floating Gate Layer. <i>Journal of Physical Chemistry C</i> , 2020, 124, 23343-23351.	1.5	24

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55	Blue-violet light second harmonic generation with CMTC crystals. Journal of Materials Science Letters, 2000, 19, 1255-1257.	0.5	23
56	High-performance PbS quantum dot vertical field-effect phototransistor using graphene as a transparent electrode. Applied Physics Letters, 2016, 109, .	1.5	23
57	Low operating voltage ambipolar graphene oxide-floating-gate memory devices based on quantum dots. Journal of Materials Chemistry C, 2016, 4, 1420-1424.	2.7	23
58	Surface Plasmon Resonance Sensor Based On Exposed-Core Microstructured Optical Fiber Placed With A Silver Wire. IEEE Photonics Journal, 2016, 8, 1-8.	1.0	23
59	Improved Numerical Calculation of the Single-Mode-No-Core-Single-Mode Fiber Structure Using the Fields Far from Cutoff Approximation. Sensors, 2017, 17, 2240.	2.1	23
60	Optical tuning of dielectric properties of Ba _{0.6} Sr _{0.4} TiO ₃ -La(Mg _{0.5} Ti _{0.5})O ₃ ceramics in the terahertz range. Applied Physics Letters, 2013, 103, .	1.5	22
61	High-Resolution Temperature Sensor Based on Single-Frequency Ring Fiber Laser via Optical Heterodyne Spectroscopy Technology. Sensors, 2018, 18, 3245.	2.1	22
62	Highly sensitive refractive index sensor based on SPR with silver and titanium dioxide coating. Optical and Quantum Electronics, 2021, 53, 1.	1.5	22
63	Design of a Tunable Single-Polarization Photonic Crystal Fiber Filter With Silver-Coated and Liquid-Filled Air Holes. IEEE Photonics Journal, 2017, 9, 1-8.	1.0	21
64	High-Resolution Temperature Sensor Based on Intracavity Sensing of Fiber Ring Laser. Journal of Lightwave Technology, 2020, 38, 2010-2014.	2.7	21
65	Terahertz probe of nonequilibrium carrier dynamics and ultrafast photocurrents in the topological insulator Sb ₂ Te ₃ . Applied Physics Letters, 2021, 118, .	1.5	21
66	A Dual-Parameter Sensor Using a Long-Period Grating Concatenated With Polarization Maintaining Fiber in Sagnac Loop. IEEE Sensors Journal, 2016, 16, 4326-4330.	2.4	20
67	Multifunctional terahertz metasurfaces for polarization transformation and wavefront manipulation. Nanoscale, 2021, 13, 14490-14496.	2.8	20
68	Terahertz Imaging Based on Morphological Reconstruction. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 1-7.	1.9	19
69	Low-voltage all-inorganic perovskite quantum dot transistor memory. Applied Physics Letters, 2018, 112, .	1.5	19
70	A dual band spin-selective transmission metasurface and its wavefront manipulation. Nanoscale, 2021, 13, 10898-10905.	2.8	19
71	Molecular design on isoxazolone-based derivatives with large second-order harmonic generation effect and terahertz wave generation. CrystEngComm, 2016, 18, 3667-3673.	1.3	18
72	Growth, transmission, Raman spectrum and THz generation of DAST crystal. RSC Advances, 2016, 6, 101389-101394.	1.7	18

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73	Reflective Liquid Level Sensor Based on Parallel Connection of Cascaded FBG and SNCS Structure. IEEE Sensors Journal, 2017, 17, 1347-1352.	2.4	18
74	Self-Powered Colloidal Wurtzite Structure Quantum Dots Photodetectors Based On Photoinduced Pyroelectric Effect. Advanced Optical Materials, 2018, 6, 1800639.	3.6	18
75	Polymer-coated quartz tuning fork for enhancing the sensitivity of laser-induced thermoelastic spectroscopy. Optics Express, 2021, 29, 12195.	1.7	18
76	All-silicon chiral metasurfaces and wavefront shaping assisted by interference. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	2.0	18
77	Optically Tunable Terahertz Metasurface Absorber. Annalen Der Physik, 2022, 534, .	0.9	18
78	High-Repetition-Rate Terahertz Generation in QPM GaAs With a Compact Efficient 2π -KTP OPO. IEEE Photonics Technology Letters, 2016, 28, 1501-1504.	1.3	17
79	Simulation of LSPR Sensor Based on Exposed-Core Grapefruit Fiber With a Silver Nanoshell. Journal of Lightwave Technology, 2017, 35, 4728-4733.	2.7	17
80	Tunable Surface Plasmon Resonance Sensor Based on Photonic Crystal Fiber Filled with Gold Nanoshells. Plasmonics, 2018, 13, 763-770.	1.8	17
81	Study of the dielectric characteristics of living glial-like cells using terahertz ATR spectroscopy. Biomedical Optics Express, 2019, 10, 5351.	1.5	17
82	Compact High-Repetition-Rate Monochromatic Terahertz Source Based on Difference Frequency Generation from a Dual-Wavelength Nd:YAG Laser and DAST Crystal. Journal of Infrared, Millimeter, and Terahertz Waves, 2017, 38, 87-95.	1.2	16
83	Magnetic Field Tunability of Square Tapered No-Core Fibers Based on Magnetic Fluid. Journal of Lightwave Technology, 2014, 32, 4600-4605.	2.7	15
84	All-fiber seawater salinity sensor based on fiber laser intracavity loss modulation with low detection limit. Optics Express, 2019, 27, 1529.	1.7	15
85	Stable terahertz toroidal dipolar resonance in a planar metamaterial. Physica Status Solidi (B): Basic Research, 2015, 252, 1388-1393.	0.7	14
86	Research on Optical Fiber Sensor Localization Based on the Partial Discharge Ultrasonic Characteristics in Long-Distance XLPE Cables. IEEE Access, 2020, 8, 184744-184751.	2.6	14
87	978 nm Single Frequency Actively Q -Switched All Fiber Laser. IEEE Photonics Technology Letters, 2014, 26, 874-876.	1.3	13
88	Temperature Self-Compensation High-Resolution Refractive Index Sensor Based on Fiber Ring Laser. IEEE Photonics Technology Letters, 2017, 29, 1743-1746.	1.3	13
89	A Highly Sensitive Magnetic Field Sensor Based on a Tapered Microfiber. IEEE Photonics Journal, 2018, 10, 1-8.	1.0	13
90	Controlling terahertz radiation with subwavelength blocky patterned CoFeB/Pt heterostructures. Applied Physics Express, 2019, 12, 122003.	1.1	13

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91	Near-infrared tunable diode laser absorption spectroscopy-based determination of carbon dioxide in human exhaled breath. <i>Biomedical Optics Express</i> , 2019, 10, 5486.	1.5	13
92	All-silicon metasurfaces for polarization multiplexed generation of terahertz photonic orbital angular momentum superposition states. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5478-5485.	2.7	13
93	Steric Group Design for Enhancement of Optical Nonlinearity in Isoxazolone-Based Crystals and Terahertz-Wave Generation. <i>Crystal Growth and Design</i> , 2021, 21, 3153-3157.	1.4	13
94	Dual-Stimulus Control for Ultra-Wideband and Multidimensional Modulation in Terahertz Metasurfaces Comprising Graphene and Metal Halide Perovskites. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 2155-2165.	4.0	13
95	Inhibition of buried cavities and defects in metal halide perovskite photodetectors via a two-step spin-coating method. <i>Journal of Materials Chemistry C</i> , 2022, 10, 7886-7895.	2.7	13
96	Versatile Polarization Conversion and Wavefront Shaping Based on Fully Phase-Modulated Metasurface with Complex Amplitude Modulation. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	13
97	Time-Modulated Transmissive Programmable Metasurface for Low Sidelobe Beam Scanning. <i>Research</i> , 2022, 2022, .	2.8	13
98	Proposal to Produce Coupled Resonator-Induced Transparency and Bistability Using Microresonator Enhanced Mach-Zehnder Interferometer. <i>IEEE Photonics Technology Letters</i> , 2008, 20, 529-531.	1.3	12
99	High-Power All-Fiber Single-Frequency Erbium-Ytterbium Co-Doped Fiber Master Oscillator Power Amplifier. <i>IEEE Photonics Journal</i> , 2015, 7, 1-6.	1.0	12
100	Direct thermal tuning of the terahertz plasmonic response of semiconductor metasurface. <i>Journal of Electromagnetic Waves and Applications</i> , 2015, 29, 2512-2522.	1.0	12
101	Multidimensional microstructured photonic device based on all-solid waveguide array fiber and magnetic fluid. <i>Nanophotonics</i> , 2017, 6, 357-363.	2.9	12
102	Label-free bacterial colony detection and viability assessment by continuous-wave terahertz transmission imaging. <i>Journal of Biophotonics</i> , 2018, 11, e201700386.	1.1	12
103	Polarization Characteristics of High-Birefringence Photonic Crystal Fiber Selectively Coated with Silver Layers. <i>Plasmonics</i> , 2018, 13, 1035-1042.	1.8	12
104	Dark mode tailored electromagnetically induced transparency in terahertz metamaterials. <i>Applied Physics B: Lasers and Optics</i> , 2019, 125, 1.	1.1	12
105	Ultrasharp LSPR Temperature Sensor Based on Grapefruit Fiber Filled With a Silver Nanoshell and Liquid. <i>Journal of Lightwave Technology</i> , 2020, 38, 2015-2021.	2.7	12
106	Magnetic Modulation of Terahertz Waves via Spin-Polarized Electron Tunneling Based on Magnetic Tunnel Junctions. <i>Physical Review Applied</i> , 2020, 14, .	1.5	12
107	Nb ₂ CT _x MXene-tilted fiber Bragg grating optofluidic system based on photothermal spectroscopy for pesticide detection. <i>Biomedical Optics Express</i> , 2021, 12, 7051.	1.5	12
108	2.56-W Single-Frequency All-Fiber Oscillator at 1720-nm. <i>Advanced Photonics Research</i> , 2022, 3, .	1.7	12

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109	Broadband and tunable terahertz absorption via photogenerated carriers in undoped silicon. <i>Science China: Physics, Mechanics and Astronomy</i> , 2022, 65, 1.	2.0	12
110	Short Channel Quantum Dot Vertical and Lateral Phototransistors. <i>Advanced Optical Materials</i> , 2017, 5, 1600434.	3.6	11
111	Widely tunable eye-safe optical parametric oscillator with noncollinear phase-matching in a ring cavity. <i>Optics Express</i> , 2019, 27, 10449.	1.7	11
112	Horizontal-scanning attenuated total reflection terahertz imaging for biological tissues. <i>Neurophotonics</i> , 2020, 7, 1.	1.7	11
113	Remote Gas Pressure Sensor Based on Fiber Ring Laser Embedded With Fabry-Pérot Interferometer and Sagnac Loop. <i>IEEE Photonics Journal</i> , 2016, 8, 1-8.	1.0	10
114	Terahertz magnon and crystal-field transition manipulated by R ³⁺ -Fe ³⁺ interaction in Sm _{0.5} Pr _{0.5} FeO ₃ . <i>Applied Physics Letters</i> , 2018, 113, .	1.5	10
115	All-dielectric metasurfaces capable of dual-channel complex amplitude modulation. <i>Nanophotonics</i> , 2021, 10, 2959-2968.	2.9	10
116	Photocarrier-Driven Emergence of Negative Photoconductivity in Semimetal MoTe ₂ Films Revealed with Terahertz Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2022, 126, 9407-9415.	1.5	10
117	Characterizing the oil and water distribution in low permeability core by reconstruction of terahertz images. <i>Science China: Physics, Mechanics and Astronomy</i> , 2016, 59, 1.	2.0	9
118	Compact and Flexible Dual-Wavelength Laser Generation in Coaxial Diode-End-Pumped Configuration. <i>IEEE Photonics Journal</i> , 2017, 9, 1-10.	1.0	9
119	Theoretical Study of Organic Crystal-Based Terahertz-Wave Difference Frequency Generation and Up-Conversion Detection. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2018, 39, 1005-1014.	1.2	9
120	Ultra-Wideband Low-Loss Control of Terahertz Scatterings via an All-Dielectric Coding Metasurface. <i>ACS Applied Electronic Materials</i> , 2020, 2, 1122-1129.	2.0	9
121	Light-induced pyroelectric property of self-powered photodetectors based on all-inorganic perovskite quantum dots. <i>Nanotechnology</i> , 2021, 32, 235203.	1.3	9
122	Strain- and Temperature-Sensing Characteristics of Fiber Ring Laser Sensor With Cascaded Fabry-Pérot Interferometer and FBG. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-7.	2.4	9
123	<i>In situ</i> growth of a 2D assisted passivation layer enabling high-performance and stable 2D/3D stacked perovskite photodetectors for visible light communication applications. <i>Journal of Materials Chemistry C</i> , 2022, 10, 6846-6856.	2.7	9
124	Multipoint velocity interferometer system for any reflector. <i>Review of Scientific Instruments</i> , 1999, 70, 3872-3876.	0.6	8
125	THz source based on optical Cherenkov radiation. <i>Science China Information Sciences</i> , 2012, 55, 27-34.	2.7	8
126	Effect of Optical Pump on the Dielectric Properties of LiTaO ₃ in Terahertz Range. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2015, 36, 1-6.	1.2	8

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127	Dynamically Tunable Graphene Plasmonically Induced Transparency in the Terahertz Region. <i>Journal of Lightwave Technology</i> , 2016, , 1-1.	2.7	8
128	Surface plasmon resonance biosensor based on large size square-lattice photonic crystal fiber. <i>Journal of Modern Optics</i> , 2016, 63, 793-797.	0.6	8
129	A polarization-independent terahertz plasmon-induced transparency metamaterial based on hybrid graphene-gold structure for bio-sensing. <i>Journal of Modern Optics</i> , 2016, 63, 200-206.	0.6	8
130	Low-Toxicity Antisolvent as a Polar Auxiliary Agent for High-Performance Perovskite Photodetectors. <i>Journal of Physical Chemistry C</i> , 2021, 125, 2850-2859.	1.5	8
131	Gas Pressure Sensor With Low Detection Limit Based on Fabry-Perot Interferometer and Intracavity Sensing of Fiber Ring Laser. <i>IEEE Sensors Journal</i> , 2022, 22, 6606-6611.	2.4	8
132	Controllable terahertz wave attenuator. <i>Microwave and Optical Technology Letters</i> , 2008, 50, 1810-1812.	0.9	7
133	Analysis of Hollow Fiber Temperature Sensor Filled with Graphene-Ag Composite Nanowire and Liquid. <i>Sensors</i> , 2016, 16, 1656.	2.1	7
134	Photoresponse properties and energy gap of CsPbBr ₃ â€“CsPb ₂ Br ₅ compound thin film prepared by one-step thermal evaporation method. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 4956-4962.	1.1	7
135	Layer dependent interlayer coherent phonon dynamics in PdSe ₂ films. <i>Applied Physics Letters</i> , 2021, 118, 191105.	1.5	7
136	Molecular pathological recognition of freshly excised human glioma using terahertz ATR spectroscopy. <i>Biomedical Optics Express</i> , 2022, 13, 222.	1.5	7
137	Intracavity Tandemly-Pumped and Gain-Switched Tm-doped Fiber Laser at 1.7 Î¼m. <i>Journal of Lightwave Technology</i> , 2022, 40, 4373-4378.	2.7	7
138	Efficient Eye-Safe Nd:YVO ₄ ; Self-Raman Laser In-Band Pumped at 914 nm. <i>IEEE Photonics Journal</i> , 2015, 7, 1-7.	1.0	6
139	Widely Tunable High-Repetition-Rate Terahertz Generation Based on an Efficient Doubly Resonant Type-II PPLN OPO. <i>IEEE Photonics Journal</i> , 2016, 8, 1-7.	1.0	6
140	Slowing and trapping THz waves system based on plasmonic graded period grating. <i>Journal of Optics (India)</i> , 2016, 45, 50-57.	0.8	6
141	Optical coefficients extraction from terahertz time-domain transmission spectra based on multibeam interference principle. <i>Optical Engineering</i> , 2017, 56, 044101.	0.5	6
142	Observation of Phase Transitions of Ba _{0.6} Sr _{0.4} TiO ₃ â€“Silicon Hybrid Metamaterial by THz Spectra. <i>ACS Applied Electronic Materials</i> , 2020, 2, 2449-2453.	2.0	6
143	High-Power High-Repetition-Rate Tunable Yellow Light Generation by an Intracavity-Frequency-Doubled Singly Resonant Optical Parametric Oscillator. <i>IEEE Photonics Journal</i> , 2020, 12, 1-10.	1.0	6
144	Dual-functional optoelectronic memories based on ternary hybrid floating gate layers. <i>Nanoscale</i> , 2021, 13, 3295-3303.	2.8	6

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145	Temperature dependent terahertz spectroscopy and imaging of orthotopic brain gliomas in mouse models. <i>Biomedical Optics Express</i> , 2022, 13, 93.	1.5	6
146	Theoretical and Experimental Investigation of Intracavity Displacement-Sensor Based on All-Single-Mode Fiber. <i>Journal of Lightwave Technology</i> , 2022, 40, 2585-2593.	2.7	6
147	Nonlinear Optical Benzoindolium-Based Single Crystals: H-Contacts Induced Noncentrosymmetric Alignment Approaching Efficient Terahertz-Wave Generation. <i>Crystal Growth and Design</i> , 2022, 22, 3311-3318.	1.4	6
148	Lensed Water-Core Teflon-Amorphous Fluoroplastics Optical Fiber. <i>Journal of Lightwave Technology</i> , 2014, 32, 1538-1542.	2.7	5
149	High-Power High-Brightness Terahertz Source Based on Nonlinear Optical Crystal Fiber. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016, 22, 360-364.	1.9	5
150	Active KTaO ₃ hybrid terahertz metamaterial. <i>Scientific Reports</i> , 2017, 7, 6072.	1.6	5
151	Terahertz Computed Tomography of High-Refractive-Index Objects Based on Refractive Index Matching. <i>IEEE Photonics Journal</i> , 2018, 10, 1-13.	1.0	5
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