Jianquan Yao

List of Publications by Year in Descending Order

194 papers	2,366 citations	23 h-index	39 g-index
237 ext. papers	3,235 ext. citations	3.5 avg, IF	5.45 L-index

#	Paper	IF	Citations
194	Gas Pressure Sensor with Low Detection Limit Based on Fabry-Perot Interferometer and Intracavity Sensing of Fiber Ring Laser. *IEEE Sensors Journal*, **2022**, 1-1	4	0
193	Temperature dependent terahertz spectroscopy and imaging of orthotopic brain gliomas in mouse models.. *Biomedical Optics Express*, **2022**, 13, 93-104	3.5	1
192	Molecular pathological recognition of freshly excised human glioma using terahertz ATR spectroscopy.. *Biomedical Optics Express*, **2022**, 13, 222-236	3.5	1
191	Intracavity tandemly-pumped and gain-switched Tm-doped fiber laser at 1.7 m. *Journal of Lightwave Technology*, **2022**, 1-1	4	1
190	2.56 W Single-Frequency All-Fiber Oscillator at 1720 nm. *Advanced Photonics Research*, **2022**, 3, 2100256	1.9	2
189	Broadband and tunable terahertz absorption via photogenerated carriers in undoped silicon. *Science China: Physics, Mechanics and Astronomy*, **2022**, 65, 1	3.6	3
188	Nb2CTx MXene integrated tapered microfiber based on light-controlled light for ultra-sensitive and wide-range hemoglobin detection. *IEEE Sensors Journal*, **2022**, 1-1	4	2
187	Reduced graphene oxide/polydimethylsiloxane as an over-coating layer on quartz tuning fork for sensitive light-induced thermoelastic spectroscopy. *IEEE Sensors Journal*, **2022**, 1-1	4	0
186	Rapid Identification of Easily-Confused Mineral Traditional Chinese Medicine (TCM) Based on Low-Wavenumber Raman and Terahertz Spectroscopy. *Photonics*, **2022**, 9, 313	2.2	0
185	Low-Frequency Vibrational Spectroscopy Characteristic of Pharmaceutical Carbamazepine Co-Crystals with Nicotinamide and Saccharin. *Sensors*, **2022**, 22, 4053	3.8	
184	Terahertz toroidal metasurface biosensor for sensitive distinction of lung cancer cells. *Nanophotonics*, **2021**,	6.3	17
183	Fourier Transform Analysis on Random Quasi-Phase-Matched Nonlinear Optical Interactions. *IEEE Photonics Journal*, **2021**, 1-1	1.8	0
182	Theoretical and Experimental Investigation of Intracavity Displacement-Sensor Based on All-Single-Mode Fiber. *Journal of Lightwave Technology*, **2021**, 1-1	4	1
181	Passively Q-Switched Dual-Wavelength Laser Operation With Coaxially End-Pumped Composite Laser Materials. *IEEE Photonics Journal*, **2021**, 13, 1-7	1.8	
180	NbCT MXene-tilted fiber Bragg grating optofluidic system based on photothermal spectroscopy for pesticide detection. *Biomedical Optics Express*, **2021**, 12, 7051-7063	3.5	3
179	Polarization-Maintaining Performance of Solid-Core Anti-Resonant Fiber with Nested Circular Tubes in 3 m Wavelength. *Journal of Lightwave Technology*, **2021**, 1-1	4	2
178	All-Dielectric Metasurface for Manipulating the Superpositions of Orbital Angular Momentum via Spin-Decoupling. *Advanced Optical Materials*, **2021**, 9, 2002007	8.1	13

177	Light-induced pyroelectric property of self-powered photodetectors based on all-inorganic perovskite quantum dots. *Nanotechnology*, **2021**, 32,	3.4	3
176	Polymer-coated quartz tuning fork for enhancing the sensitivity of laser-induced thermoelastic spectroscopy. *Optics Express*, **2021**, 29, 12195-12205	3.3	6
175	Steric Group Design for Enhancement of Optical Nonlinearity in Isoxazolone-Based Crystals and Terahertz-Wave Generation. *Crystal Growth and Design*, **2021**, 21, 3153-3157	3.5	3
174	Layer dependent interlayer coherent phonon dynamics in PdSe2 films. *Applied Physics Letters*, **2021**, 118, 191105	3.4	3
173	Simulation and Experimental Study of Terahertz Wave Transmission Characteristics Based on Periodic Metal Open Resonant Ring Structures. *International Journal of Optics*, **2021**, 2021, 1-10	0.9	
172	Hybrid Floating Gate Memory with a Large Memory Window Based on the Sandwich Structure. *Journal of Physical Chemistry C*, **2021**, 125, 12903-12909	3.8	3
171	Highly sensitive refractive index sensor based on SPR with silver and titanium dioxide coating. *Optical and Quantum Electronics*, **2021**, 53, 1	2.4	4
170	Effects of Photobiomodulation on High Glucose Induced Oxidative Stress in Human Embryonic Skin Fibroblasts. *IEEE Journal of Selected Topics in Quantum Electronics*, **2021**, 27, 1-9	3.8	0
169	A Refractive Index Sensor Based on PCF With Ultra-Wide Detection Range. *IEEE Journal of Selected Topics in Quantum Electronics*, **2021**, 27, 1-8	3.8	17
168	High-performance photodetector using CsPbBr3 perovskite nanocrystals and graphene hybrid channel. *Journal of Materials Science*, **2021**, 56, 2341-2346	4.3	16
167	A terahertz metamaterial biosensor for sensitive detection of microRNAs based on gold-nanoparticles and strand displacement amplification. *Biosensors and Bioelectronics*, **2021**, 175, 112874	11.8	23
166	Temperature Self-Compensation Biosensor Based on LPG Concatenated With SNCS Structure. *IEEE Sensors Journal*, **2021**, 21, 366-372	4	0
165	All-dielectric chiral coding metasurface based on spin-decoupling in terahertz band. *Nanophotonics*, **2021**, 10, 1347-1355	6.3	10
164	Combined Effects of Low Level Laser Therapy and Inducers on the Neural Differentiation of Mesenchymal Stem Cells. *IEEE Access*, **2021**, 9, 28946-28953	3.5	0
163	All-silicon metasurfaces for polarization multiplexed generation of terahertz photonic orbital angular momentum superposition states. *Journal of Materials Chemistry C*, **2021**, 9, 5478-5485	7.1	7
162	Dual-functional optoelectronic memories based on ternary hybrid floating gate layers. *Nanoscale*, **2021**, 13, 3295-3303	7.7	2
161	Nucleation management for the ambient fabrication of high-performance perovskite photodetectors with the eco-friendly tert-butanol anti-solvent. *Journal of Materials Chemistry C*, **2021**, 9, 8650-8658	7.1	0
160	Terahertz probe of nonequilibrium carrier dynamics and ultrafast photocurrents in the topological insulator Sb2Te3. *Applied Physics Letters*, **2021**, 118, 011102	3.4	9

159	A dual band spin-selective transmission metasurface and its wavefront manipulation. *Nanoscale*, **2021**, 13, 10898-10905	7.7	6
158	Enhanced detectivity of PbS quantum dots infrared photodetector by introducing the tunneling effect of PMMA. *Nanotechnology*, **2021**, 32, 195502	3.4	
157	Low-Toxicity Antisolvent as a Polar Auxiliary Agent for High-Performance Perovskite Photodetectors. *Journal of Physical Chemistry C*, **2021**, 125, 2850-2859	3.8	4
156	Optically tunable all-silicon chiral metasurface in terahertz band. *Applied Physics Letters*, **2021**, 118, 051101	3.4	13
155	All-dielectric metasurfaces capable of dual-channel complex amplitude modulation. *Nanophotonics*, **2021**, 10, 2959-2968	6.3	2
154	All-silicon chiral metasurfaces and wavefront shaping assisted by interference. *Science China: Physics, Mechanics and Astronomy*, **2021**, 64, 1	3.6	3
153	Tunable Temperature Characteristic of Terahertz Bragg Fiber Filled with Liquid Water. *Applied Sciences (Switzerland)*, **2021**, 11, 8306	2.6	
152	Optimization for continuous-wave terahertz reflection imaging for biological tissues. *Journal of Biophotonics*, **2021**, e202100245	3.1	
151	A Wavelength-Agile Eye-Safe Optical Parametric Oscillator Based on an X-Cut KTP Crystal. *IEEE Photonics Journal*, **2021**, 13, 1-4	1.8	
150	Strain- and Temperature-Sensing Characteristics of Fiber Ring Laser Sensor With Cascaded Fabry□Perot Interferometer and FBG. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 70, 1-7	5.2	2
149	Multifunctional terahertz metasurfaces for polarization transformation and wavefront manipulation. *Nanoscale*, **2021**, 13, 14490-14496	7.7	3
148	Metal□Graphene Hybrid Chiral Metamaterials for Tunable Circular Dichroism. *Annalen Der Physik*, **2020**, 532, 2000065	2.6	16
147	Theoretical Modeling of Multi-Channel Intracavity Spectroscopy Technology Based on Mode Competition in Er-Doped Fiber Ring Laser Cavity. *Sensors*, **2020**, 20,	3.8	2
146	13.7-W 588-nm Yellow Laser Generation by Frequency Doubling of 885-nm Side-Pumped Nd: YAG-YVO4 Intracavity Raman Laser. *IEEE Photonics Journal*, **2020**, 12, 1-7	1.8	1
145	Ultrabroadband, Ultraviolet to Terahertz, and High Sensitivity CHNHPbI Perovskite Photodetectors. *Nano Letters*, **2020**, 20, 5646-5654	11.5	38
144	High-Power High-Repetition-Rate Tunable Yellow Light Generation by an Intracavity-Frequency-Doubled Singly Resonant Optical Parametric Oscillator. *IEEE Photonics Journal*, **2020**, 12, 1-10	1.8	2
143	The Antibody-Free Recognition of Cancer Cells Using Plasmonic Biosensor Platforms with the Anisotropic Resonant Metasurfaces. *ACS Applied Materials & Interfaces*, **2020**, 12, 11388-11396	9.5	21
142	Photoresponse properties and energy gap of CsPbBr3□CsPb2Br5 compound thin film prepared by one-step thermal evaporation method. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 4956-4962	2.1	4

141	Methyl substitution for noncentrosymmetric stacking: a promising organic single crystal for highly efficient terahertz-wave generation. *Journal of Materials Chemistry C*, **2020**, 8, 4226-4233	7.1	17
140	Coherent Random Lasing in Colloidal Quantum Dot-Doped Polymer-Dispersed Liquid Crystal with Low Threshold and High Stability. *Journal of Physical Chemistry Letters*, **2020**, 11, 767-774	6.4	13
139	Broadband photoelectric tunable quantum dot based resistive random access memory. *Journal of Materials Chemistry C*, **2020**, 8, 2178-2185	7.1	13
138	Simultaneous generation of two THz waves with bulk LiNbO3 and four THz waves with PPLN by coupled optical parametric generation. *Journal of Optics (India)*, **2020**, 49, 147-154	1.3	1
137	Ultra-Wideband Low-Loss Control of Terahertz Scatterings via an All-Dielectric Coding Metasurface. *ACS Applied Electronic Materials*, **2020**, 2, 1122-1129	4	5
136	Terahertz spectroscopic diagnosis of early blast-induced traumatic brain injury in rats. *Biomedical Optics Express*, **2020**, 11, 4085-4098	3.5	11
135	Horizontal-scanning attenuated total reflection terahertz imaging for biological tissues. *Neurophotonics*, **2020**, 7, 025005	3.9	6
134	Simultaneous Measurement of Temperature and Relative Humidity Based on a Microfiber Sagnac Loop and MoS2. *Journal of Lightwave Technology*, **2020**, 38, 840-845	4	16
133	High-Resolution Temperature Sensor Based on Intracavity Sensing of Fiber Ring Laser. *Journal of Lightwave Technology*, **2020**, 38, 2010-2014	4	7
132	All-Optical Switchable Vanadium Dioxide Integrated Coding Metasurfaces for Wavefront and Polarization Manipulation of Terahertz Beams. *Advanced Theory and Simulations*, **2020**, 3, 1900183	3.5	16
131	Ultrasharp LSPR Temperature Sensor Based on Grapefruit Fiber Filled With a Silver Nanoshell and Liquid. *Journal of Lightwave Technology*, **2020**, 38, 2015-2021	4	7
130	Ultrafine Frequency Linearly Tunable Single-Frequency Fiber Laser Based on Intracavity Active Tuning. *IEEE Photonics Journal*, **2020**, 12, 1-6	1.8	2
129	Efficient and Tunable 1.6-□m MgO:PPLN Optical Parametric Oscillator Pumped by Nd:YVO4/YVO4 Raman Laser. *IEEE Photonics Journal*, **2020**, 12, 1-7	1.8	2
128	Magnetic Modulation of Terahertz Waves via Spin-Polarized Electron Tunneling Based on Magnetic Tunnel Junctions. *Physical Review Applied*, **2020**, 14,	4.3	3
127	Observation of Phase Transitions of Ba0.6Sr0.4TiO3□Silicon Hybrid Metamaterial by THz Spectra. *ACS Applied Electronic Materials*, **2020**, 2, 2449-2453	4	3
126	Self-Raman Nd-doped vanadate laser: a pump source of organic crystal based difference frequency generation. *Journal of Modern Optics*, **2020**, 67, 914-919	1.1	1
125	A fast response, self-powered and room temperature near infrared-terahertz photodetector based on a MAPbI3/PEDOT:PSS composite. *Journal of Materials Chemistry C*, **2020**, 8, 12148-12154	7.1	18
124	High-performance self-powered perovskite photodetector for visible light communication. *Applied Physics A: Materials Science and Processing*, **2020**, 126, 1	2.6	9

123	Photoerasable Organic Field-Effect Transistor Memory Based on a One-Step Solution-Processed Hybrid Floating Gate Layer. *Journal of Physical Chemistry C*, **2020**, 124, 23343-23351	3.8	13
122	Research on Optical Fiber Sensor Localization Based on the Partial Discharge Ultrasonic Characteristics in Long-Distance XLPE Cables. *IEEE Access*, **2020**, 8, 184744-184751	3.5	6
121	Effects of Grain Morphology on Nonlinear Conversion Efficiency of Random Quasi-Phase Matching in Polycrystalline Materials. *IEEE Photonics Journal*, **2020**, 12, 1-10	1.8	1
120	Optical-Stark Induced Distortions in Vortex Momentum Distributions of p-Orbital Electrons of Neon Atoms. *IEEE Photonics Journal*, **2020**, 12, 1-9	1.8	1
119	Enhanced Terahertz Wave Generation via Stokes Wave Recycling in Non-Synchronously Picosecond Pulse Pumped Terahertz Source. *IEEE Photonics Journal*, **2019**, 11, 1-8	1.8	2
118	AC Stark Effect on Vortex Spectra Generated by Circularly Polarized Pulses. *IEEE Photonics Journal*, **2019**, 11, 1-11	1.8	4
117	Light assisted multilevel resistive switching memory devices based on all-inorganic perovskite quantum dots. *Applied Physics Letters*, **2019**, 114, 181103	3.4	34
116	Terahertz Radiation Modulated by Confinement of Picosecond Current Based on Patterned Ferromagnetic Heterostructures. *Physica Status Solidi - Rapid Research Letters*, **2019**, 13, 1900057	2.5	11
115	Efficient Ring-Cavity Terahertz Parametric Oscillator With Pump Recycling Technique. *IEEE Photonics Journal*, **2019**, 11, 1-9	1.8	
114	Dark mode tailored electromagnetically induced transparency in terahertz metamaterials. *Applied Physics B: Lasers and Optics*, **2019**, 125, 1	1.9	9
113	Orientation-dependent THz emission in non-collinear antiferromagnetic Mn3Sn and Mn3Sn-based heterostructures. *Applied Physics Letters*, **2019**, 115, 182402	3.4	11
112	Controlling terahertz radiation with subwavelength blocky patterned CoFeB/Pt heterostructures. *Applied Physics Express*, **2019**, 12, 122003	2.4	6
111	Hundred-watts-level monolithic narrow linewidth linearly-polarized fiber laser at 1018´nm. *Optical Engineering*, **2019**, 58, 1	1.1	4
110	Study of brain glioma in a mouse model using continuous-wave terahertz reflection imaging. *Biomedical Optics Express*, **2019**, 10, 3953-3962	3.5	23
109	Study of the dielectric characteristics of living glial-like cells using terahertz ATR spectroscopy. *Biomedical Optics Express*, **2019**, 10, 5351-5361	3.5	6
108	All-fiber seawater salinity sensor based on fiber laser intracavity loss modulation with low detection limit. *Optics Express*, **2019**, 27, 1529-1537	3.3	10
107	Widely tunable eye-safe optical parametric oscillator with noncollinear phase-matching in a ring cavity. *Optics Express*, **2019**, 27, 10449-10455	3.3	6
106	Effect of optical pumping on the dielectric properties of 0.55SrTiO3-0.45NdAlO3 ceramics in terahertz range. *Optical Engineering*, **2019**, 58, 1	1.1	

105	Near-infrared tunable diode laser absorption spectroscopy-based determination of carbon dioxide in human exhaled breath. *Biomedical Optics Express*, **2019**, 10, 5486-5496	3.5	3
104	All-Perovskite Photodetector with Fast Response. *Nanoscale Research Letters*, **2019**, 14, 291	5	31
103	Modulation of terahertz electromagnetically induced absorption analogue in a hybrid metamaterial/graphene structure. *AIP Advances*, **2019**, 9, 115314	1.5	1
102	Efficient Terahertz Generation Via GaAs Hybrid Ridge Waveguides. *IEEE Photonics Technology Letters*, **2019**, 31, 1666-1669	2.2	1
101	The terahertz electromagnetically induced transparency-like metamaterials for sensitive biosensors in the detection of cancer cells. *Biosensors and Bioelectronics*, **2019**, 126, 485-492	11.8	119
100	Label-free bacterial colony detection and viability assessment by continuous-wave terahertz transmission imaging. *Journal of Biophotonics*, **2018**, 11, e201700386	3.1	10
99	Magneto-Optical Modulation of Photonic Spin Hall Effect of Graphene in Terahertz Region. *Advanced Optical Materials*, **2018**, 6, 1701212	8.1	42
98	High-energy and ultra-wideband tunable terahertz source with DAST crystal via difference frequency generation. *Applied Physics B: Lasers and Optics*, **2018**, 124, 1	1.9	18
97	Tunable Surface Plasmon Resonance Sensor Based on Photonic Crystal Fiber Filled with Gold Nanoshells. *Plasmonics*, **2018**, 13, 763-770	2.4	13
96	Polarization Characteristics of High-Birefringence Photonic Crystal Fiber Selectively Coated with Silver Layers. *Plasmonics*, **2018**, 13, 1035-1042	2.4	9
95	Theoretical Study of Organic Crystal-Based Terahertz-Wave Difference Frequency Generation and Up-Conversion Detection. *Journal of Infrared, Millimeter, and Terahertz Waves*, **2018**, 39, 1005-1014	2.2	6
94	Terahertz magnon and crystal-field transition manipulated by R3+-Fe3+ interaction in Sm0.5Pr0.5FeO3. *Applied Physics Letters*, **2018**, 113, 022401	3.4	8
93	Numerical simulation of reflective infrared absorber based on metal and dielectric nanorings. *Journal of Modern Optics*, **2018**, 65, 869-878	1.1	
92	High-Resolution Temperature Sensor Based on Single-Frequency Ring Fiber Laser via Optical Heterodyne Spectroscopy Technology. *Sensors*, **2018**, 18,	3.8	9
91	A Broadband Phototransistor Based on Three-Dimensional Reduced Graphene Oxide Foam. *Nanomaterials*, **2018**, 8,	5.4	3
90	Terahertz Computed Tomography of High-Refractive-Index Objects Based on Refractive Index Matching. *IEEE Photonics Journal*, **2018**, 10, 1-13	1.8	4
89	A Highly Sensitive Magnetic Field Sensor Based on a Tapered Microfiber. *IEEE Photonics Journal*, **2018**, 10, 1-8	1.8	11
88	Self-Powered Colloidal Wurtzite-Structure Quantum Dots Photodetectors Based On Photoinduced-Pyroelectric Effect. *Advanced Optical Materials*, **2018**, 6, 1800639	8.1	14

87	Low-voltage all-inorganic perovskite quantum dot transistor memory. *Applied Physics Letters*, **2018**, 112, 212101	3.4	15
86	Analysis of Graphene-Based Photonic Crystal Fiber Sensor Using Birefringence and Surface Plasmon Resonance. *Plasmonics*, **2017**, 12, 489-496	2.4	96
85	Terahertz Imaging Based on Morphological Reconstruction. *IEEE Journal of Selected Topics in Quantum Electronics*, **2017**, 23, 1-7	3.8	14
84	Multidimensional microstructured photonic device based on all-solid waveguide array fiber and magnetic fluid. *Nanophotonics*, **2017**, 6, 357-363	6.3	9
83	Refractive Index and Temperature Sensing Based on Surface Plasmon Resonance and Directional Resonance Coupling in a PCF. *IEEE Photonics Journal*, **2017**, 9, 1-7	1.8	17
82	The characteristics of Kerr lens mode-locked Nd:YVO4 laser with a symmetrical z-shaped cavity. *Journal of Modern Optics*, **2017**, 64, 1302-1306	1.1	2
81	A Hollow-Core Photonic Crystal Fiber-Based SPR Sensor With Large Detection Range. *IEEE Photonics Journal*, **2017**, 9, 1-7	1.8	26
80	Reflective Liquid Level Sensor Based on Parallel Connection of Cascaded FBG and SNCS Structure. *IEEE Sensors Journal*, **2017**, 17, 1347-1352	4	12
79	Optically pumped terahertz sources. *Science China Technological Sciences*, **2017**, 60, 1801-1818	3.5	23
78	Temperature Sensor Based on Hollow Fiber Filled with Graphene-Ag Composite Nanowire and Liquid. *Plasmonics*, **2017**, 12, 1805-1811	2.4	19
77	Broadband Phototransistor Based on CHNHPbI Perovskite and PbSe Quantum Dot Heterojunction. *Journal of Physical Chemistry Letters*, **2017**, 8, 445-451	6.4	74
76	Compact and Flexible Dual-Wavelength Laser Generation in Coaxial Diode-End-Pumped Configuration. *IEEE Photonics Journal*, **2017**, 9, 1-10	1.8	3
75	High Performances for Solution-Pocessed 0D□D Heterojunction Phototransistors. *Advanced Optical Materials*, **2017**, 5, 1700565	8.1	33
74	Temperature Self-Compensation High-Resolution Refractive Index Sensor Based on Fiber Ring Laser. *IEEE Photonics Technology Letters*, **2017**, 29, 1743-1746	2.2	10
73	Improved Numerical Calculation of the Single-Mode-No-Core-Single-Mode Fiber Structure Using the Fields Far from Cutoff Approximation. *Sensors*, **2017**, 17,	3.8	11
72	Fiber Ring Laser Temperature Sensor Based on Liquid-Filled Photonic Crystal Fiber. *IEEE Sensors Journal*, **2017**, 17, 6948-6952	4	28
71	Tunable polarization filter based on high-birefringence photonic crystal fiber filled with silver wires. *Optical Engineering*, **2017**, 56, 077108	1.1	3
70	Optical coefficients extraction from terahertz time-domain transmission spectra based on multibeam interference principle. *Optical Engineering*, **2017**, 56, 044101	1.1	3

69	Ambipolar Quantum-Dot-Based Low-Voltage Nonvolatile Memory with Double Floating Gates. *ACS Photonics*, **2017**, 4, 2220-2227	6.3	17
68	Active KTaO hybrid terahertz metamaterial. *Scientific Reports*, **2017**, 7, 6072	4.9	4
67	Simulation of LSPR Sensor Based on Exposed-Core Grapefruit Fiber With a Silver Nanoshell. *Journal of Lightwave Technology*, **2017**, 35, 4728-4733	4	7
66	A novel variable baseline visibility detection system and its measurement method. *Optical Review*, **2017**, 24, 634-641	0.9	0
65	Humidity Sensor Based on Fabry–Perot Interferometer and Intracavity Sensing of Fiber Laser. *Journal of Lightwave Technology*, **2017**, 35, 4789-4795	4	25
64	Thermal Management of Nd:YVO4 Laser by 808-/880-nm Dual-Wavelength Pumping. *IEEE Photonics Journal*, **2017**, 9, 1-7	1.8	0
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	1.8	15
62	Short Channel Quantum Dot Vertical and Lateral Phototransistors. *Advanced Optical Materials*, **2017**, 5, 1600434	8.1	8
61	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	2.2	11
60	Dynamic Propagation of Initially Chirped Airy Pulses in a Quintic Nonlinear Fiber. *IEEE Photonics Journal*, **2017**, 9, 1-7	1.8	2
59	Relative Humidity Sensor Based on No-Core Fiber Coated by Agarose-Gel Film. *Sensors*, **2017**, 17,	3.8	21
58	High-Power High-Brightness Terahertz Source Based on Nonlinear Optical Crystal Fiber. *IEEE Journal of Selected Topics in Quantum Electronics*, **2016**, 22, 360-364	3.8	3
57	Slowing and trapping THz waves system based on plasmonic graded period grating. *Journal of Optics (India)*, **2016**, 45, 50-57	1.3	5
56	Remote Gas Pressure Sensor Based on Fiber Ring Laser Embedded With Fabry–Pérot Interferometer and Sagnac Loop. *IEEE Photonics Journal*, **2016**, 8, 1-8	1.8	7
55	ASE Suppression in Backward-Pumped Er/Yb Double-Cladding Fiber Amplifier via Cladding Feedback. *IEEE Photonics Journal*, **2016**, 8, 1-7	1.8	2
54	Experimental Investigation on Spectral Linewidth and Relative Intensity Noise of High-Power Single-Frequency Polarization-Maintained Thulium-Doped Fiber Amplifier. *IEEE Photonics Journal*, **2016**, 8, 1-9	1.8	
53	Characterizing the oil and water distribution in low permeability core by reconstruction of terahertz images. *Science China: Physics, Mechanics and Astronomy*, **2016**, 59, 1	3.6	6
52	Amplified spontaneous emission in distributed feedback active microcavities fabricated by the sol–gel dip-coating method. *Journal of Modern Optics*, **2016**, 63, 2180-2185	1.1	

51	Low operating voltage ambipolar graphene oxide-floating-gate memory devices based on quantum dots. *Journal of Materials Chemistry C*, **2016**, 4, 1420-1424	7.1	18
50	Temperature Sensor Based on Fiber Ring Laser With Sagnac Loop. *IEEE Photonics Technology Letters*, **2016**, 28, 794-797	2.2	44
49	Surface Plasmon Resonance Sensor Based On Exposed-Core Microstructured Optical Fiber Placed With A Silver Wire. *IEEE Photonics Journal*, **2016**, 8, 1-8	1.8	22
48	SPR Sensor Based on Exposed-Core Grapefruit Fiber With Bimetallic Structure. *IEEE Photonics Technology Letters*, **2016**, 28, 649-652	2.2	22
47	Surface plasmon resonance biosensor based on large size square-lattice photonic crystal fiber. *Journal of Modern Optics*, **2016**, 63, 793-797	1.1	6
46	A polarization-independent terahertz plasmon-induced transparency metamaterial based on hybrid graphene-gold structure for bio-sensing. *Journal of Modern Optics*, **2016**, 63, 200-206	1.1	7
45	Analysis of Hollow Fiber Temperature Sensor Filled with Graphene-Ag Composite Nanowire and Liquid. *Sensors*, **2016**, 16,	3.8	7
44	A New Ba0.6 Sr0.4 TiO3 -Silicon Hybrid Metamaterial Device in Terahertz Regime. *Small*, **2016**, 12, 2610-5	11	31
43	Metamaterials: A New Ba0.6 Sr0.4 TiO3 -Silicon Hybrid Metamaterial Device in Terahertz Regime (Small 19/2016). *Small*, **2016**, 12, 2609	11	4
42	Dynamically Tunable Graphene Plasmon-Induced Transparency in the Terahertz Region. *Journal of Lightwave Technology*, **2016**, 1-1	4	6
41	Widely Tunable High-Repetition-Rate Terahertz Generation Based on an Efficient Doubly Resonant Type-II PPLN OPO. *IEEE Photonics Journal*, **2016**, 8, 1-7	1.8	3
40	High-performance PbS quantum dot vertical field-effect phototransistor using graphene as a transparent electrode. *Applied Physics Letters*, **2016**, 109, 263101	3.4	17
39	Broadband and wide-angle RCS reduction using a 2-bit coding ultrathin metasurface at terahertz frequencies. *Scientific Reports*, **2016**, 6, 39252	4.9	47
38	A Dual-Parameter Sensor Using a Long-Period Grating Concatenated With Polarization Maintaining Fiber in Sagnac Loop. *IEEE Sensors Journal*, **2016**, 16, 4326-4330	4	12
37	Terahertz wavemeter based on scanning Fabry–Perot interferometer: accuracy and optimum designation. *Journal of Modern Optics*, **2016**, 63, 974-981	1.1	
36	Molecular design on isoxazolone-based derivatives with large second-order harmonic generation effect and terahertz wave generation. *CrystEngComm*, **2016**, 18, 3667-3673	3.3	15
35	High-Repetition-Rate Terahertz Generation in QPM GaAs With a Compact Efficient 2- $mu text{m}$ KTP OPO. *IEEE Photonics Technology Letters*, **2016**, 28, 1501-1504	2.2	10
34	Growth, transmission, Raman spectrum and THz generation of DAST crystal. *RSC Advances*, **2016**, 6, 101389-101394	3.7	13

33	Graphene-based tunable terahertz plasmon-induced transparency metamaterial. *Nanoscale*, **2016**, 8, 15273-80	7.7	116
32	Plasmon-Induced Transparency in Metamaterial Based on Graphene and Split-Ring Resonators. *IEEE Photonics Technology Letters*, **2015**, 27, 1321-1324	2.2	38
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30	Surface plasmon resonance sensor based on exposed-core microstructured optical fibres. *Electronics Letters*, **2015**, 51, 714-715	1.1	21
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