

Passively Mode-Locked Ytterbium-Doped Fiber Laser B

IEEE Photonics Journal

9, 1-7

DOI: [10.1109/jphot.2017.2766120](https://doi.org/10.1109/jphot.2017.2766120)

Citation Report

#	ARTICLE	IF	CITATIONS
2	Arc-Induced Long Period Gratings in Phosphorus-Doped Fiber. IEEE Photonics Technology Letters, 2017, 29, 611-614.	1.3	26
3	Real-time analysis of arc-induced Long Period Gratings under gamma irradiation. Scientific Reports, 2017, 7, 43389.	1.6	35
4	1.55- μm room-temperature lasing from subwavelength quantum-dot microdisks directly grown on (001) Si. Applied Physics Letters, 2017, 110, .	1.5	50
5	Magneto-Modulating Polarization Converter Based on a Dual-Core Photonic Crystal Fiber. Journal of Lightwave Technology, 2017, 35, 2772-2777.	2.7	15
6	Fabrication of arc-induced long-period gratings in different silica fibers. Proceedings of SPIE, 2017, , .	0.8	2
7	64 Gb/s quantum-dash laser based indoor free space optical communication. , 2017, , .		2
8	Optically pumped terahertz sources. Science China Technological Sciences, 2017, 60, 1801-1818.	2.0	44
9	Random Number Generation From Intermittent Optical Chaos. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 1-8.	1.9	11
10	Current Status and Performance Analysis of Optical Camera Communication Technologies for 5G Networks. IEEE Access, 2017, 5, 4574-4594.	2.6	108
11	Optimization of structure parameters for highly efficient AlGaIn based deep ultraviolet light emitting diodes. Superlattices and Microstructures, 2017, 112, 339-352.	1.4	19
12	A remote phosphor film of silicate-poly(styrene-co-glycidyl methacrylate) composites for NUV chip-based white LED. Journal of Alloys and Compounds, 2017, 729, 117-125.	2.8	3
13	Radiation forces of beams generated by Gaussian mirror resonator on a Rayleigh dielectric sphere. Scientific Reports, 2017, 7, 12149.	1.6	4
14	Diffraction Imaging and Modeling and Seismic Modeling Complete Session. , 2017, , .		0
15	Sharp convex gold grooves for fluorescence enhancement in micro/nano fluidic biosensing. Journal of Materials Chemistry B, 2017, 5, 8839-8844.	2.9	9
16	Estimation of the age of human bloodstains under the simulated indoor and outdoor crime scene conditions by ATR-FTIR spectroscopy. Scientific Reports, 2017, 7, 13254.	1.6	38
17	Tunable terahertz plasmonics sensor using doped graphene. , 2017, , .		0
18	Liquid Sensors Based on Enhanced Fabry-Pérot Etalons. IEEE Sensors Journal, 2017, 17, 7348-7354.	2.4	3
19	Analysis of self-homodyne detection for 6-mode fiber with low-modal crosstalk. Optics Communications, 2017, 405, 205-210.	1.0	0

#	ARTICLE	IF	CITATIONS
20	High-Order Dielectric Metasurfaces for High-Efficiency Polarization Beam Splitters and Optical Vortex Generators. <i>Nanoscale Research Letters</i> , 2017, 12, 512.	3.1	48
21	Cascaded FSO-VLC Communication System. <i>IEEE Wireless Communications Letters</i> , 2017, 6, 810-813.	3.2	60
22	Beamforming and power allocation for physical-layer security in hybrid RF/VLC wireless networks. , 2017, , .		24
23	Visible light communications with hybrid OFDM-PTM. , 2017, , .		5
24	Rectangular Illumination Based on Diffuse Reflective Off-Axis Surface. <i>IEEE Photonics Journal</i> , 2017, 9, 1-8.	1.0	7
25	Analysis of multiuser mixed RF/FSO relay networks for performance improvements in Cloud Computing-Based Radio Access Networks (CC-RANs). <i>Optics Communications</i> , 2017, 402, 653-661.	1.0	27
26	Introduction of optical camera communication for Internet of vehicles (IoV). , 2017, , .		10
27	Localization Accuracy Improvement of a Visible Light Positioning System Based on the Linear Illumination of LED Sources. <i>IEEE Photonics Journal</i> , 2017, 9, 1-11.	1.0	15
28	Site-controlled and advanced epitaxial Ge/Si quantum dots: fabrication, properties, and applications. <i>Nanotechnology</i> , 2017, 28, 392001.	1.3	49
29	Direct Laser Writing of $\hat{\nu}^-$ to $\hat{\nu}^\pm$ -Phase Transformation in Formamidinium Lead Iodide. <i>ACS Nano</i> , 2017, 11, 8072-8083.	7.3	66
30	Photoluminescence from colloidal silicon nanoparticles: significant effect of surface. <i>Nanotechnology Reviews</i> , 2017, 6, 601-612.	2.6	23
31	Adaptive spatial-temporal resolution optical vehicular communication system using image sensor. <i>International Journal of Distributed Sensor Networks</i> , 2017, 13, 155014771774369.	1.3	5
32	Tunable plasmonic substrates with ultrahigh Q-factor resonances. <i>Scientific Reports</i> , 2017, 7, 15985.	1.6	52
33	Quantum secret sharing using orthogonal multiqubit entangled states. <i>Quantum Information Processing</i> , 2017, 16, 1.	1.0	24
34	Cooling-controlled and reliable driving module for low-level light therapy LED helmet. <i>Microelectronics Reliability</i> , 2017, 78, 370-373.	0.9	6
35	Density functional theory study on the boron and phosphorus doping of germanium quantum dots. <i>RSC Advances</i> , 2017, 7, 50935-50941.	1.7	1
36	Optical Emission in Hexagonal SiGe Nanowires. <i>Nano Letters</i> , 2017, 17, 4753-4758.	4.5	51
37	128 Å— 128 silicon photonic MEMS switch package using glass interposer and pitch reducing fibre array. , 2017, , .		10

#	ARTICLE	IF	CITATIONS
38	Design and fabrication of a Bi-directional mode-division multiplexer (BMDM) for optical interconnects. , 2017, , .		1
39	Arc-induced Long Period Gratings in standard and speciality optical fibers under mixed neutron-gamma irradiation. Scientific Reports, 2017, 7, 15845.	1.6	28
40	Single linear-polarized and single circular-polarized slot antenna for WLAN application. , 2017, , .		2
41	All-optical logic gates based optimized XY-branch waveguide utilizing SnO ₂ nonlinear material. , 2017, , .		3
42	Suppression of excess noise in polarization enhanced back illuminated AlGaIn solar-blind SAM APDs with modified multiplication layer. , 2017, , .		1
43	Fiber Bragg grating interrogation using FBG filters and artificial neural network. , 2017, , .		3
44	On the Performance of Multiplexing FSO MIMO Links in Log-Normal Fading With Pointing Errors. Journal of Optical Communications and Networking, 2017, 9, 974.	3.3	43
45	Helical long period grating in multicore fiber for simultaneous measurement of torsion and temperature. , 2017, , .		0
46	Three lower bounds on secrecy capacity for indoor visible light communications. , 2017, , .		4
47	Mixed RF/FSO Relaying Systems with Hardware Impairments. , 2017, , .		13
48	Generating fast switchable optical vortices by beam combining. , 2017, , .		0
49	Photonic time-stretch optical coherence tomography with data compression and improved resolution. , 2017, , .		0
50	Optical wireless communication at 100 Gb/s using L-band Quantum-dash laser. , 2017, , .		2
51	Directional bending sensor based on spatially arrayed long period gratings in multicore fiber. , 2017, , .		0
52	Microwave photonics for high performance sensing. , 2017, , .		0
53	10 m Free space 128Gbit/s transmission via self-injection locked quantum-dash laser. , 2017, , .		0
54	Implementation of an emitting LED circuit in a Visible Light communications positioning system. , 2017, , .		8
55	Efficiency improvement of DMD based optical switch enabled by blazed micro-grating array. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
56	Demodulation of fiber acoustic sensor based on ripple spectrum. , 2017, , .		0
57	Límites de velocidad y distancia en la transmisión de información por un enlace óptico de bajo costo con recuperación libre de ruido. DYNA (Colombia), 2017, 84, 234.	0.2	1
59	Novel Vestigial Sideband Modulation Scheme to Enhance the SNR in Radio Over Fiber Systems. Radioengineering, 2017, 26, 961-967.	0.3	3
60	High efficiency mode-locked, cylindrical vector beam fiber laser based on a mode selective coupler. Optics Express, 2017, 25, 11444.	1.7	71
61	Object color naturalness and attractiveness with spectrally optimized illumination. Optics Express, 2017, 25, 12839.	1.7	19
62	Low noise, self-referenced all polarization maintaining Ytterbium fiber laser frequency comb. Optics Express, 2017, 25, 18017.	1.7	41
63	Security weaknesses of underwater wireless optical communication. Optics Express, 2017, 25, 21509.	1.7	30
64	Vector vortex beam generation with dolphin-shaped cell meta-surface. Optics Express, 2017, 25, 22780.	1.7	7
65	Performance enhanced DDO-OFDM system with adaptively partitioned precoding and single sideband modulation. Optics Express, 2017, 25, 23093.	1.7	19
66	Frequency-scanning interferometry using a time-varying Kalman filter for dynamic tracking measurements. Optics Express, 2017, 25, 25782.	1.7	45
67	Ultrastrong extraordinary transmission and reflection in PT-symmetric Thue-Morse optical waveguide networks. Optics Express, 2017, 25, 27724.	1.7	32
68	Low loss GaN waveguides at the visible spectral wavelengths for integrated photonics applications. Optics Express, 2017, 25, 31758.	1.7	37
69	Accuracy analysis and improvement of visible light positioning based on VLC system using orthogonal frequency division multiple access. Optics Express, 2017, 25, 32618.	1.7	34
70	Design and Additive Manufacturing of 3D Phononic Band Gap Structures Based on Gradient Based Optimization. Materials, 2017, 10, 1125.	1.3	52
71	Bragg gratings in thin-film LiNbO ₃ waveguides. Optics Express, 2017, 25, 32323.	1.7	59
72	Time-Resolved Diffuse Optical Spectroscopy and Imaging Using Solid-State Detectors: Characteristics, Present Status, and Research Challenges. Sensors, 2017, 17, 2115.	2.1	29
73	Analysis of Multi-Level Simultaneous Driving Technique for Capacitive Touch Sensors. Sensors, 2017, 17, 2016.	2.1	6
74	Plasmonic Spectral Splitting in Ring/Rod Metasurface. Nanomaterials, 2017, 7, 397.	1.9	27

#	ARTICLE	IF	CITATIONS
75	Modeling the Effect of Optical Signal Multipath. <i>Sensors</i> , 2017, 17, 2038.	2.1	12
76	Recent Advances in Fluorescence Lifetime Analytical Microsystems: Contact Optics and CMOS Time-Resolved Electronics. <i>Sensors</i> , 2017, 17, 2800.	2.1	26
77	Probability density function of turbulence fading in MRR free space optical link and its applications in MRR free space optical communications. <i>IET Communications</i> , 2017, 11, 2476-2481.	1.5	13
78	Temperature Insensitive Strain Sensor with Asymmetrical Cascading Structure Based on Photonic Crystal Fiber in Chemical Corrosion. <i>Journal of Sensors</i> , 2017, 2017, 1-6.	0.6	3
79	Over 19W Single-Mode 1545nm Er,Yb Codoped All-Fiber Laser. <i>Advances in Condensed Matter Physics</i> , 2017, 2017, 1-5.	0.4	2
80	A Highly Sensitive Intensity-Modulated Optical Fiber Magnetic Field Sensor Based on the Magnetic Fluid and Multimode Interference. <i>Journal of Sensors</i> , 2017, 2017, 1-7.	0.6	27
81	Outage and Diversity Analysis of Underlay Cognitive Mixed RF-FSO Cooperative Systems. <i>Journal of Optical Communications and Networking</i> , 2017, 9, 909.	3.3	43
82	Selection of UPML parameters in DGTD calculation. , 2017, , .		1
83	Evolution of optical sensors for determining the concentration of liquid solutions and their temperature sensitivity. , 2017, , .		0
84	A scheme of ultraviolet communication system with polar channel coding. , 2017, , .		4
85	Performance of image sensor communication. , 2017, , .		0
86	Design of bandwidth-variable TWDM access network supporting inter-ONU communication based on tunable bandwidth wavelength selective switch. , 2017, , .		1
87	Indoor Positioning System Based on a PSD Detector, Precise Positioning of Agents in Motion Using AoA Techniques. <i>Sensors</i> , 2017, 17, 2124.	2.1	21
88	Optical coherence tomography and computer-aided diagnosis of a murine model of chronic kidney disease. <i>Journal of Biomedical Optics</i> , 2017, 22, 1.	1.4	7
89	An Enhanced Approach of MIMO-OFDM Data Transfer by Varying User Location Optimized by Machine and AI Learning. <i>Indian Journal of Science and Technology</i> , 2017, 10, 1-7.	0.5	1
90	Single LED based Indoor Visible Light Positioning System Using Smartphone Camera and Motion Sensors. , 2017, , .		0
91	Challenges and Opportunities of Optical Wireless Communication Technologies. , 0, , .		39
92	Short-Pulse-Width Repetitively Q-Switched $\sim 2.7\text{-}\mu\text{m}$ Er:Y2O3 Ceramic Laser. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 1201.	1.3	6

#	ARTICLE	IF	CITATIONS
93	A methodology for LED placement in luminaires without lenses for optimal illumination of complex target areas. <i>Energy Efficiency</i> , 2018, 11, 1041-1051.	1.3	2
94	Actively Q-switched laser with novel Nd:YAG/YAG polygonal active-mirror. <i>Laser Physics</i> , 2018, 28, 035001.	0.6	2
95	All optical switching and associated technologies: a review. <i>Journal of Optics (India)</i> , 2018, 47, 307-317.	0.8	86
96	In Situ synthesis of SiC-graphene core-shell nanoparticles using wet ball milling. <i>Ceramics International</i> , 2018, 44, 8283-8289.	2.3	30
97	Long Period Gratings in unconventional fibers for possible use as radiation dosimeter in high-dose applications. <i>Sensors and Actuators A: Physical</i> , 2018, 271, 223-229.	2.0	25
98	Excitation of hybridized Dirac plasmon polaritons and transition radiation in multi-layer graphene traversed by a fast charged particle. <i>Nanotechnology</i> , 2018, 29, 225201.	1.3	11
99	A Comparative Survey of Optical Wireless Technologies: Architectures and Applications. <i>IEEE Access</i> , 2018, 6, 9819-9840.	2.6	362
100	Verifiable Threshold Quantum State Sharing Scheme. <i>IEEE Access</i> , 2018, 6, 10453-10457.	2.6	14
101	Indoor Localization by Fusing a Group of Fingerprints Based on Random Forests. <i>IEEE Internet of Things Journal</i> , 2018, 5, 4686-4698.	5.5	77
102	A Comparison of APD- and SPAD-Based Receivers for Visible Light Communications. <i>Journal of Lightwave Technology</i> , 2018, 36, 2435-2442.	2.7	68
103	Multi-Wavelength Q-Switched Ytterbium-Doped Fiber Laser with Multi-Walled Carbon Nanotubes. <i>Fiber and Integrated Optics</i> , 2018, 37, 92-102.	1.7	12
104	Efficient P–cycle combination protection strategy based on improved genetic algorithm in elastic optical networks. <i>IET Optoelectronics</i> , 2018, 12, 73-79.	1.8	14
105	Broadly Tunable Self-injection Locked InAs/InP Quantum-dash Laser Based Fiber/FSO/Hybrid Fiber-FSO Communication at 1610 nm. <i>IEEE Photonics Journal</i> , 2018, 10, 1-10.	1.0	20
106	OOK-Assisted Adaptive Equalization and Timing Recovery for PAM4 Demodulation. <i>IEEE Photonics Journal</i> , 2018, 10, 1-7.	1.0	3
107	Convolutional neural networkschemeâ€based optical camera communication system for intelligent Internet of vehicles. <i>International Journal of Distributed Sensor Networks</i> , 2018, 14, 155014771877015.	1.3	40
108	Water-based metamaterial absorbers for optical transparency and broadband microwave absorption. <i>Journal of Applied Physics</i> , 2018, 123, .	1.1	81
109	Effect of Pressure on the Electronic, Magnetic, and Optical Properties of the In _{0.75} Cr _{0.25} P Compound. <i>Journal of Superconductivity and Novel Magnetism</i> , 2018, 31, 4127-4139.	0.8	0
110	A compression-diffusion-permutation strategy for securing image. <i>Signal Processing</i> , 2018, 150, 183-190.	2.1	42

#	ARTICLE	IF	CITATIONS
111	Precision Product-Process Design and Optimization. Lecture Notes on Multidisciplinary Industrial Engineering, 2018, , .	0.4	0
112	Multilevel Intensity-Modulation for Rolling Shutter-Based Optical Camera Communication. IEEE Photonics Technology Letters, 2018, 30, 903-906.	1.3	45
113	Design Space Exploration of Microring Resonators in Silicon Photonic Interconnects: Impact of the Ring Curvature. Journal of Lightwave Technology, 2018, 36, 2767-2782.	2.7	69
114	Focused Ion Beam Fabrication: Process Development and Optimization Strategy for Optical Applications. Lecture Notes on Multidisciplinary Industrial Engineering, 2018, , 189-209.	0.4	2
115	Lasing from dot-in-rod nanocrystals in planar polymer microcavities. RSC Advances, 2018, 8, 13026-13033.	1.7	28
116	Statistical Modeling of Single-Photon Avalanche Diode Receivers for Optical Wireless Communications. IEEE Transactions on Communications, 2018, 66, 4043-4058.	4.9	65
117	Quantum dot materials for improved autostereoscopic color filter display designs. Journal of the Society for Information Display, 2018, 26, 534-545.	0.8	2
118	Photonic receiving and linearization of RF signals with improved spurious free dynamic range. Optics Communications, 2018, 423, 17-20.	1.0	3
119	Experimental demonstration of the performance of flexible metamaterial absorber on planar and cylindrical surface. Journal of Physics Communications, 2018, 2, 015007.	0.5	7
120	Towards low-loss waveguides in SOI and Ge-on-SOI for mid-IR sensing. Journal of Physics Communications, 2018, 2, 045029.	0.5	16
121	A quarter century of particle swarm optimization. Complex & Intelligent Systems, 2018, 4, 227-239.	4.0	54
122	Sparse Preamble Design for Polarization Division Multiplexed CO-OFDM/OQAM Channel Estimation. Journal of Lightwave Technology, 2018, 36, 2737-2745.	2.7	18
123	Fast Symmetrical Component Extraction From Unbalanced Three-Phase Signals Using Non-Nominal α -Transformation. IEEE Transactions on Power Electronics, 2018, 33, 9134-9141.	5.4	11
124	Electron beam lithography on uneven resist for uniform Bragg gratings in GaSb based distributed-feedback lasers. Microelectronic Engineering, 2018, 195, 32-35.	1.1	4
125	A Survey on Acquisition, Tracking, and Pointing Mechanisms for Mobile Free-Space Optical Communications. IEEE Communications Surveys and Tutorials, 2018, 20, 1104-1123.	24.8	209
126	Temperature-compensated magnetic field sensor based on surface plasmon resonance and directional resonance coupling in a D-shaped photonic crystal fiber. Optik, 2018, 158, 1402-1409.	1.4	40
127	Fabry-Pérot resonators with transverse coupling on SOI using loop mirrors. Optics Communications, 2018, 415, 121-126.	1.0	10
128	Single-Ended Long Period Fiber Grating Coated With Polystyrene Thin Film for Butane Gas Sensing. Journal of Lightwave Technology, 2018, 36, 825-832.	2.7	40

#	ARTICLE	IF	CITATIONS
129	Toward an Efficient C-RAN Optical Fronthaul for the Future Networks: A Tutorial on Technologies, Requirements, Challenges, and Solutions. IEEE Communications Surveys and Tutorials, 2018, 20, 708-769.	24.8	269
130	FPGA-Based Real-Time Implementation of Temperature Measurement via Tunable Diode Laser Absorption Spectroscopy. IEEE Sensors Journal, 2018, 18, 2751-2758.	2.4	12
131	Light Source and Trail Recognition via Optical Spectrum Feature Analysis for Optical Network Security. IEEE Communications Letters, 2018, 22, 982-985.	2.5	19
132	Modeling and simulation of GaN based QW LED for UV emission. Optik, 2018, 158, 1334-1341.	1.4	25
133	Determination of refractive index by a U-shaped multimode fiber sensor. Instrumentation Science and Technology, 2018, 46, 490-501.	0.9	11
134	A novel proposal for all-optical Galois field adder based on photonic crystals. Photonic Network Communications, 2018, 35, 392-396.	1.4	39
135	Light-Emitting Diodes Based on Colloidal Silicon Quantum Dots with Octyl and Phenylpropyl Ligands. ACS Applied Materials & Interfaces, 2018, 10, 5959-5966.	4.0	68
136	Design optimization of a compact photonic crystal microcavity based on slow light and dispersion engineering for the miniaturization of integrated mode-locked lasers. AIP Advances, 2018, 8, .	0.6	6
137	Optical force and torque on a dielectric Rayleigh particle by a circular Airy vortex beam. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 208, 101-107.	1.1	15
138	Efficient Quantum-Dot Light-Emitting Diodes Employing Thermally Activated Delayed Fluorescence Emitters as Exciton Harvesters. ACS Applied Materials & Interfaces, 2018, 10, 7435-7441.	4.0	23
139	Long Period Gratings in Multicore Optical Fibers for Directional Curvature Sensor Implementation. Journal of Lightwave Technology, 2018, 36, 1063-1068.	2.7	92
140	Tunable erbium-doped fiber laser based on optical fiber Sagnac interference loop with angle shift spliced polarization maintaining fibers. Optical Fiber Technology, 2018, 42, 1-5.	1.4	16
141	Sensitivity Analysis of Phase Matched Turning Point Long Period Fiber Gratings. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 247-253.	0.2	1
142	Application of nonlinear PhCRRs in realizing all optical half-adder. Optical and Quantum Electronics, 2018, 50, 1.	1.5	81
143	Microstructured optical fiber-based luminescent biosensing: Is there any light at the end of the tunnel? - A review. Analytica Chimica Acta, 2018, 1019, 14-24.	2.6	31
144	A review of Ga ₂ O ₃ materials, processing, and devices. Applied Physics Reviews, 2018, 5, .	5.5	1,816
145	Statistical characteristics and performance evaluation of FSO links with misalignment fading influenced by correlated sways. AEU - International Journal of Electronics and Communications, 2018, 85, 118-125.	1.7	7
146	A low loss and power efficient micro-electro-thermally actuated RF MEMS switch for low power and low loss applications. Microsystem Technologies, 2018, 24, 3019-3032.	1.2	11

#	ARTICLE	IF	CITATIONS
147	Experimental Realization of the Coupling Function Secure Communications Protocol and Analysis of Its Noise Robustness. IEEE Transactions on Information Forensics and Security, 2018, 13, 2591-2601.	4.5	7
148	Pseudo-Pilot Coding Based Phase Noise Estimation for Coherent Optical FBMC-OQAM Transmissions. Journal of Lightwave Technology, 2018, 36, 2859-2867.	2.7	9
149	Microwave Frequency Generation, Switching, and Controlling Using Single-Mode FP-LDs. Journal of Lightwave Technology, 2018, 36, 4273-4281.	2.7	7
150	Towards a Supercontinuum Generation in an All-Fiberized Holmium-Doped ZBLAN Fiber Amplifier. Journal of Lightwave Technology, 2018, 36, 3193-3197.	2.7	6
151	Phase Interrogation of Diaphragm-Based Optical Fiber Acoustic Sensor Assisted by Wavelength-Scanned Spectral Coding. IEEE Photonics Journal, 2018, 10, 1-11.	1.0	12
152	Difference operators and generalized discrete fractional transforms in signal and image processing. Signal Processing, 2018, 151, 1-18.	2.1	15
153	A New Optimization Problem in FSO Communication System. IEEE Communications Letters, 2018, 22, 1442-1445.	2.5	29
154	Real-Time 262-Mb/s Visible Light Communication With Digital Predistortion Waveform Shaping. IEEE Photonics Journal, 2018, 10, 1-10.	1.0	15
155	Ultra-Broadband Mode Converter and Multiplexer Based on Sub-Wavelength Structures. IEEE Photonics Journal, 2018, 10, 1-10.	1.0	65
156	Advanced optimization algorithms for grating based sensors: A comparative analysis. Optik, 2018, 164, 567-574.	1.4	4
157	Studying Photonics Crystal Cavities by Design and Simulation of a 1 to 8 Optical Demultiplexer. Frequenz, 2018, 72, 459-464.	0.6	13
158	Optical fiber tip interferometer gas pressure sensor based on anti-resonant reflecting guidance mechanism. Optical Fiber Technology, 2018, 42, 11-17.	1.4	14
159	Low-threshold, nanosecond, high-repetition-rate vortex pulses with controllable helicity generated in Cr,Nd:YAG self-Q-switched microchip laser. Laser Physics, 2018, 28, 055802.	0.6	11
160	Performance Analysis of Full Duplex Modulating Retro-Reflector Free-Space Optical Communications Over Single and Double Gamma-Gamma Fading Channels. IEEE Transactions on Communications, 2018, 66, 3597-3609.	4.9	18
161	Energy-Efficient Fast Configuration of Flexible Transponders and Grooming Switches in OFDM-Based Elastic Optical Networks. Journal of Optical Communications and Networking, 2018, 10, 90.	3.3	25
162	Secure Key Distribution Strategy in OFDM-PON by Utilizing the Redundancy of Training Symbol and Digital Chaos Technique. IEEE Photonics Journal, 2018, 10, 1-8.	1.0	17
163	Modeling and Throughput Analysis of an ADO-OFDM Based Relay-Assisted VLC System for 5G Networks. IEEE Access, 2018, 6, 17586-17594.	2.6	25
164	Performance optimization in multi-user multiband carrierless amplitude and phase modulation for visible light communication. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
165	Efficient pulse amplitude modulation for SPAD-based receivers. , 2018, , .		2
166	Hybrid Plasmonicâ€“Photonicâ€“Organic Modulators With Low Insertion Loss and High Modulation Depth. Journal of Lightwave Technology, 2018, 36, 2471-2477.	2.7	7
167	Plasmon induced modification of silicon nanocrystals photoluminescence in presence of gold nanostripes. Scientific Reports, 2018, 8, 4911.	1.6	22
168	OFDM high speed train communication systems in 5G cellular networks. , 2018, , .		13
169	Knowledge Aided Adaptive Localization via Global Fusion Profile. IEEE Internet of Things Journal, 2018, 5, 1081-1089.	5.5	28
170	Physical-layer data encryption using chaotic constellation rotation in OFDM-PON. , 2018, , .		6
171	Temporal Encryption at 1 Tb/s. Journal of Lightwave Technology, 2018, 36, 2344-2350.	2.7	17
172	Security scheme in IMDD-OFDM-PON system with the chaotic pilot interval and scrambling. Optics Communications, 2018, 407, 285-289.	1.0	13
173	All optical half adder based on photonic crystal resonant cavities. Photonic Network Communications, 2018, 35, 245-250.	1.4	87
174	An efficient networkâ€“side path protection scheme in OFDMâ€“based elastic optical networks. International Journal of Communication Systems, 2018, 31, e3410.	1.6	22
175	Laser phase noise impact on optical DP-MQAM: experimental investigation. Photonic Network Communications, 2018, 35, 237-244.	1.4	1
176	Oneâ€“dimensional convolutional neural networks for spectroscopic signal regression. Journal of Chemometrics, 2018, 32, e2977.	0.7	137
177	Simultaneous recognition of two channels of optical packet headers utilizing reservoir computing subject to mutual-coupling optoelectronic feedback. Optik, 2018, 157, 951-956.	1.4	23
178	A novel image encryption algorithm based on synchronized random bit generated in cascade-coupled chaotic semiconductor ring lasers. Optics and Lasers in Engineering, 2018, 102, 170-180.	2.0	36
179	Demonstration of L-band DP-QPSK transmission over FSO and fiber channels employing InAs/InP quantum-dash laser source. Optics Communications, 2018, 410, 680-684.	1.0	10
180	Spectrum efficient distance-adaptive paths for fixed and fixed-alternate routing in elastic optical networks. Optical Fiber Technology, 2018, 40, 36-45.	1.4	30
181	An ultra-compact all optical full adder based on nonlinear photonic crystal resonant cavities. Superlattices and Microstructures, 2018, 113, 359-365.	1.4	73
182	Implementation of Intelligent Auto Ranging Functionality to Capacitive Level Sensor. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
183	A Novel Miniaturized All-Optical Switch Based on Optical Gradient Force. , 2018, , .		2
184	An All Optical NAND Gate Using Nonlinear Photonic Crystal Ring Resonators. Journal of Optical Communications, 2022, 43, 19-23.	4.0	0
185	Physical Layer Security for Hybrid RF/VLC DF Relaying Systems. , 2018, , .		6
186	Performance Analysis of Optical Spatial Modulation in Atmospheric Turbulence Channel â€. Photonics, 2018, 5, 53.	0.9	2
187	Passively Q-Switched Erbium-Doped Fiber Laser via Evanescent Field Interaction with Few-Layer Molybdenum Ditelluride. Advances in Condensed Matter Physics, 2018, 2018, 1-5.	0.4	2
188	Applying NOMA to Undersampled Optical Camera Communication for Vehicular Communication. , 2018, , .		5
189	Optimal Provisioning Strategies for Translucent Elastic Optical Networks. , 2018, , .		3
190	Optical Transmitters without Driver Amplifiersâ€”Optimal Operation Conditions. Applied Sciences (Switzerland), 2018, 8, 1652.	1.3	5
191	DOPLE: A Double Protective Physical Layer Encryption Scheme for OFDM Systems. , 2018, , .		0
192	Passively Q-switched Er-doped fiber laser based on NbSe ₂ quantum dot saturable absorber. , 2018, , .		1
193	Optimizing angular independency and polarization insensitivity of FSS absorbers by adopting far-field analysis of patch antennas. , 2018, , .		1
194	Single Infrared Image-Based Stripe Nonuniformity Correction via a Two-Stage Filtering Method. Sensors, 2018, 18, 4299.	2.1	13
195	AWGR-based optical processor-to-memory communication for low-latency, low-energy vault accesses. , 2018, , .		4
196	Scalable Production of Graphene/Semiconducting Single-Wall Carbon Nanotube Film Schottky Broadband Photodiode Array with Enhanced Photoresponse. Applied Sciences (Switzerland), 2018, 8, 2369.	1.3	3
197	Fractional Order Robust Control Under Variational Working Attitude for Light Tracking System. , 2018, , .		2
198	Non-Orthogonal Multi-band CAP for Highly Spectrally Efficient VLC Systems. , 2018, , .		14
199	Indoor Visible Light Positioning with Centimeter Accuracy Based on a Commercial Smartphone Camera. , 2018, , .		2
200	Performance Analysis of Continuous-Variable Quantum Key Distribution with Multi-Core Fiber. Applied Sciences (Switzerland), 2018, 8, 1951.	1.3	4

#	ARTICLE	IF	CITATIONS
201	Object Classification using Deep Learning on Extremely Low-Resolution Time-of-Flight Data. , 2018, , .		5
202	Nano-imprinting of refractive-index-matched indium tin oxide sol-gel in light-emitting diodes for eliminating total internal reflection. RSC Advances, 2018, 8, 37021-37027.	1.7	2
203	A Review of Indoor Channel Modeling Techniques for Visible Light Communications. , 2018, , .		9
204	A Novel 68Gb/s QPSK Coherent Optical Communication Scheme Demonstration for the Integration of Satellite Communication and Ranging. , 2018, , .		3
205	Noise-tolerant spiral 16-QAM system based on cascaded Kalman filters. , 2018, , .		1
206	Placing Multiple Drone Base Stations in Hotspots. , 2018, , .		13
207	Optic-Fiber Temperature Sensor. , 0, , .		6
208	Nondiffracting Beams with Azimuthal Orbital Angular Momentum Modulation for High Data Rate Communication Systems. , 2018, , .		0
209	On the Secrecy Performance of Mixed RF/UOW Communication System. , 2018, , .		11
210	Effects of electro-thermal conditions on luminous efficacies of phosphor-converted white light emitting diodes. , 2018, , .		0
211	Polarization Independent Conformal Metamaterial Absorber using Modified Resonators for Dual Band Applications. , 2018, , .		3
212	Realization of Chaotic Sequence Encryption Algorithm in MapReduce Distributed Parallel Model. , 2018, , .		1
213	Signal Processing for Optical Communication System Assisted by Computer Vision Techniques. , 2018, , .		0
214	Scaling Optical Communication for On-Chip Interconnect. , 2018, , .		3
215	Dehazing of Natural Images using Non-Linear Wavelet Filter. , 2018, , .		0
216	Position Tracking based on AOA and MIMO Combined Technique with Visible Light. , 2018, , .		1
217	Design Optimization of Biochemical Sensor Using Multiple Cross-Slot Waveguide. , 2018, , .		0
218	Sensitivity-enhanced Fabry-Perot filled with PDMS temperature sensor based on Vernier effect. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
219	Experimental Indoor Visible Light Positioning Systems With Centimeter Accuracy Based on a Commercial Smartphone Camera. IEEE Photonics Journal, 2018, 10, 1-17.	1.0	24
220	Towards Energy-Efficient High-Throughput Photonic NoCs for 2.5D Integrated Systems: A Case for AWGRs. , 2018, , .		4
221	Performance Analysis of TDOA-based Indoor Positioning Systems using Visible LED Lights. , 2018, , .		12
222	Small coupling length with a low confinement loss dual-core liquid infiltrated photonic crystal fiber coupler. OSA Continuum, 2018, 1, 953.	1.8	21
223	Efficient Waveguide Mode Conversions Based on Phase-Gradient Metasurfaces. , 2018, , .		0
224	Application of an Infinite Gain Multiple Feedback Filter in VLC Link Range Extension. , 2018, , .		2
225	Accessing the Exceptional Points in Coupled Fabry-Pérot Resonators through Hybrid Integration. ACS Photonics, 2018, 5, 4920-4927.	3.2	13
226	Ultrasmall 2D NbSe ₂ based quantum dots used for low threshold ultrafast lasers. Journal of Materials Chemistry C, 2018, 6, 12638-12642.	2.7	55
227	Mathematical Modelling of Underwater Wireless Optical Channel. , 2018, , .		9
228	Multi-User Visible Light Communications: State-of-the-Art and Future Directions. IEEE Access, 2018, 6, 70555-70571.	2.6	64
229	Effect of Fabric Integration on the Physical and Optical Performance of Electroluminescent Fibers for Lighted Textile Applications. Fibers, 2018, 6, 50.	1.8	3
230	Waveguide-integrated superconducting nanowire single-photon detectors. Nanophotonics, 2018, 7, 1725-1758.	2.9	103
231	High-efficiency passively Q-switched neodymium-doped fiber laser operation at 1360.61 nm with bismuth selenide as saturable absorber. Laser Physics, 2018, 28, 125801.	0.6	15
232	Light Extraction Enhancement of Deep Ultraviolet Light-Emitting Diodes by Using Aluminum Reflector Cup. , 2018, , .		0
233	Characterization of a Time-Resolved Diffuse Optical Spectroscopy Prototype Using Low-Cost, Compact Single Photon Avalanche Detectors for Tissue Optics Applications. Sensors, 2018, 18, 3680.	2.1	7
234	First-Order Mode Compact Focusing Grating Coupler for SOI Interconnect. , 2018, , .		1
235	Terahertz Photonic Signal Generation Employing InAs/InP Quantum Dash Laser. , 2018, , .		2
236	A GaN Micro-LED Based Underwater Wireless Optical Communication Subjected to Sea Salt, Maalox and Chlorophyll. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
237	Optical Internet of Things within 5G: Applications and Challenges. , 2018, , .		29
238	Single-Shot Sub-Nyquist RF Signal Reconstruction Based on Deep Learning Network. , 2018, , .		1
239	Thermal analysis and optimization of air trench structures for thermally tunable devices. , 2018, , .		1
240	Machine Learning Based Indoor Localization Using a Representative k-Nearest-Neighbor Classifier on a Low-Cost IoT-Hardware. , 2018, , .		14
241	Orbital Angular Momentum Generator based on Elliptical-Core Fiber Chiral Long-period Gratings. , 2018, , .		0
242	Modulation Analysis for Long Distance Underwater VLC Systems under Dead Time Limit. , 2018, , .		1
243	Optical Fiber-Based Sensor for Assessing Electric Current in Unmanned Aerial Vehicles with ROS Interface. , 2018, , .		1
244	Complex analysis between CV modes and OAM modes in fiber systems. Nanophotonics, 2019, 8, 271-285.	2.9	31
245	UltraHigh Bit-Rate Hybrid DWDM Optical System Design Using DP-QPSK Modulation. Journal of Optical Communications, 2022, 43, 257-264.	4.0	1
246	Ultra broadband, low loss and polarization independent silicon nitrite integrated optical power splitter. , 2018, , .		0
247	Indoor Positioning System Based on Single LED Using Symmetrical Optical Receiver. , 2018, , .		3
248	Demonstration of A Visible Light Receiver Using Rolling-Shutter Smartphone Camera. , 2018, , .		4
249	Tunable Liquid Crystal Based Phase Shifter with a Slot Unit Cell for Reconfigurable Reflectarrays in F-Band. Applied Sciences (Switzerland), 2018, 8, 2528.	1.3	24
250	Optimum Optical Frequency Combs for Telecommunications and Data Centre Networks. , 2018, , .		0
251	Large and Dense LoRaWAN Deployment to Monitor Real Estate Conditions and Utilization Rate. , 2018, , .		12
252	All-optical fiber optic coherent amplifier. Scientific Reports, 2018, 8, 15340.	1.6	21
253	ROI Assisted Digital Signal Processing for Rolling Shutter Optical Camera Communications. , 2018, , .		6
254	Multimode silicon photonics. Nanophotonics, 2019, 8, 227-247.	2.9	203

#	ARTICLE	IF	CITATIONS
255	Low-Loss Silicon-Photonic Devices for Mid-Infrared Applications. , 2018, , .		0
256	High Sensitivity Fiber-optic Liquid Level Sensor Using Biconical Tapered Fibers. , 2018, , .		2
257	Temperature-dependent ferroelectric properties of near stoichiometric lithium niobate single crystal. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	8
258	Simulation and Measurement of Atmospheric Effect on Optical Beam. , 2018, , .		1
259	On Secrecy Performance of Mixed Nakagami-m and MÄ;laga RFIFSO Variable Gain Relaying System. , 2018, , .		7
260	Ga₂O₃ Field-Effect-Transistor-Based Solar-Blind Photodetector With Fast Response and High Photo-to-Dark Current Ratio. IEEE Electron Device Letters, 2018, 39, 1696-1699.	2.2	73
261	A Novel Technique for the Evaluation of Posterior Probabilities of Student Cognitive Skills. IEEE Access, 2018, 6, 53153-53167.	2.6	6
262	Erbium Ring Fiber Laser Cavity Based on Tip Modal Interferometer and Its Tunable Multi-Wavelength Response for Refractive Index and Temperature. Applied Sciences (Switzerland), 2018, 8, 1337.	1.3	7
263	Surface Micromachined Silicon Photonic MEMS: A Scalable Technology Platform for Photonic Network Components. , 2018, , .		2
264	Investigation of ultra-low loss surface plasmon resonance-based PCF for biosensing application. Results in Physics, 2018, 11, 358-361.	2.0	15
265	Ultra-broadband linear polarization converter based on anisotropic metasurface. Optics Express, 2018, 26, 26235.	1.7	110
266	Radiation Pattern Reconfigurable Waveguide Slot Array Antenna Using Liquid Crystal. International Journal of Antennas and Propagation, 2018, 2018, 1-9.	0.7	5
267	Hybrid Cyan Nitride/Red Phosphors White Light-Emitting Diodes With Micro-Hole Structures. IEEE Photonics Journal, 2018, 10, 1-8.	1.0	9
268	Reconfigurable Microstrip Antenna Array for Frequency Selectivity Application. , 2018, , .		0
269	Mobility-Aware Resource Allocation in VLC Networks Using T-Step Look-Ahead Policy. Journal of Lightwave Technology, 2018, 36, 5358-5370.	2.7	30
270	WDM Source Based on High-Power, Efficient 1280-nm DFB Lasers for Terabit Interconnect Technologies. IEEE Photonics Technology Letters, 2018, 30, 1929-1932.	1.3	14
271	Practical aspects of terahertz wireless quantum key distribution in indoor environments. Quantum Information Processing, 2018, 17, 1.	1.0	10
272	Single-mode large-mode-area double-ring hollow-core anti-resonant fiber for high power delivery in mid-infrared region. Optical Fiber Technology, 2018, 46, 118-124.	1.4	12

#	ARTICLE	IF	CITATIONS
273	Tin(IV) oxide nanoparticles as a saturable absorber for a Q-switched erbium-doped fiber laser. Laser Physics, 2018, 28, 125104.	0.6	10
274	A passively Q-switched YVO ₄ Raman laser with orthogonally polarized emission at 1175.4 nm and 1165.2 nm. Laser Physics Letters, 2018, 15, 125001.	0.6	7
275	Color-Independent Visible Light Communications Based on Color Space: State of the Art and Potentials. Electronics (Switzerland), 2018, 7, 190.	1.8	5
276	A Measurement Allocation for Block Image Compressive Sensing. Lecture Notes in Computer Science, 2018, , 110-119.	1.0	3
277	A Self Regulating and Crowdsourced Indoor Positioning System through Wi-Fi Fingerprinting for Multi Storey Building. Sensors, 2018, 18, 3766.	2.1	10
278	Simulation Models of Pulse Generator for OTDR in Matlab and VPIphotonics. , 2018, , .		3
279	Inverse Scattering Method Design of Regrowth-Free Single-Mode Semiconductor Lasers Using Pit Perturbations for Monolithic Integration. IEEE Photonics Journal, 2018, 10, 1-10.	1.0	4
280	Towards the Enhancement of the TMI Threshold in Monolithic High-Power Fiber System by Controlling the Pump Distribution and the Seed Power. IEEE Photonics Journal, 2018, 10, 1-12.	1.0	7
281	Nonlinear absorption properties of indium selenide and its application for demonstrating pulsed Er-doped fiber laser. Laser Physics Letters, 2018, 15, 105101.	0.6	30
282	Combinatorial Material Science and Strain Engineering Enabled by Pulsed Laser Deposition Using Radially Segmented Targets. ACS Combinatorial Science, 2018, 20, 643-652.	3.8	21
283	Sub-Meter Spatial Resolution Phase-Sensitive Optical Time-Domain Reflectometry System Using Double Interferometers. Applied Sciences (Switzerland), 2018, 8, 1899.	1.3	16
284	Ultrasonic Structural Health Monitoring Using Fiber Bragg Grating. Sensors, 2018, 18, 3395.	2.1	60
285	Simultaneous measurement of temperature and magnetic field based on surface plasmon resonance and Sagnac interference in a D-shaped photonic crystal fiber. Optical and Quantum Electronics, 2018, 50, 1.	1.5	21
286	Multiuser MIMO for Underwater Visible Light Communication. , 2018, , .		11
287	Rotation Measurements with a Passive Resonant Gyroscope Based on Hollow Core Fiber. , 2018, , .		3
288	Research of the Vibration Source Tracking in Phase-Sensitive Optical Time-Domain Reflectometry Signals Based by Image Processing Method. Algorithms, 2018, 11, 117.	1.2	2
289	Applications of Photonic Crystal Nanobeam Cavities for Sensing. Micromachines, 2018, 9, 541.	1.4	54
290	Combining Hollow Core Photonic Crystal Fibers with Multimode, Solid Core Fiber Couplers through Arc Fusion Splicing for the Miniaturization of Nonlinear Spectroscopy Sensing Devices. Fibers, 2018, 6, 77.	1.8	7

#	ARTICLE	IF	CITATIONS
291	Highly Integrated All-Fiber FP/FBG Sensor for Accurate Measurement of Strain under High Temperature. <i>Materials</i> , 2018, 11, 1867.	1.3	13
292	Twin-SSB-OFDM Transmission Over Heterodyne W-Band Fiber-Wireless System With Real-Time Implementable Blind Carrier Recovery. <i>Journal of Lightwave Technology</i> , 2018, 36, 5562-5572.	2.7	21
293	Modeling the Performance of Optical Modems in the DESERT Underwater Network Simulator. , 2018, , .		2
294	Electrically controllable random lasing from dye-doped nematic liquid crystals within a capillary fiber. <i>Optical Materials Express</i> , 2018, 8, 2910.	1.6	15
295	Polarimetric image recovery in turbid media employing circularly polarized light. <i>Optics Express</i> , 2018, 26, 25047.	1.7	60
296	Impedance matching theory to design an all-optical AND gate. <i>IET Optoelectronics</i> , 2018, 12, 244-248.	1.8	26
297	Predicted and Experimental Performance of a Long Distance Non-Line of Sight Image Sensor Communication System. , 2018, , .		4
298	Low-Complexity Residual Carrier Frequency Offset Mitigation Based on Spectrum Symmetry for CO-OFDM Systems. <i>Journal of Lightwave Technology</i> , 2018, 36, 5210-5217.	2.7	4
299	Verilog-A Compact Modeling and Simulation of AWGR based All-to-All Optical Interconnects. , 2018, , .		4
300	Stable radio frequency dissemination via a 1007 km fiber link based on a high-performance phase lock loop. <i>Optics Express</i> , 2018, 26, 24479.	1.7	16
301	Promising ITO-free perovskite solar cells with $WO_3 \cdot Ag \cdot SnO_2$ as transparent conductive oxide. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19330-19337.	5.2	27
302	Comment on "A novel quantum deniable authentication protocol without entanglement". <i>Quantum Information Processing</i> , 2018, 17, 1.	1.0	2
303	Robust destriping method based on data-driven learning. <i>Infrared Physics and Technology</i> , 2018, 94, 142-150.	1.3	7
304	Electrical Treeing in Cable Insulation under Different HVDC Operational Conditions. <i>Energies</i> , 2018, 11, 2406.	1.6	17
305	Research on the Weighted Dynamic Evolution Model for Space Information Networks Based on Local-World. <i>Information (Switzerland)</i> , 2018, 9, 158.	1.7	2
306	Sensing Characteristics of Tilted Long Period Fiber Gratings Inscribed by Infrared Femtosecond Laser. <i>Sensors</i> , 2018, 18, 3003.	2.1	12
307	Wideband Metamaterial Absorbers Based on Conductive Plastic with Additive Manufacturing Technology. <i>ACS Omega</i> , 2018, 3, 11144-11150.	1.6	32
308	Analysis of Nyquist Pulse Shapes for Carrierless Amplitude and Phase Modulation in Visible Light Communications. <i>Journal of Lightwave Technology</i> , 2018, 36, 5023-5029.	2.7	25

#	ARTICLE	IF	CITATIONS
309	An Optical Majority Gate Using Photonic Crystal Based Nonlinear Resonant Cavity. Journal of Optical Communications, 2021, 42, 425-429.	4.0	9
310	Integrated four-channel directly modulated O-band optical transceiver for radio over fiber application. Optics Express, 2018, 26, 21490.	1.7	9
311	Design of random and sparse metalens with matrix pencil method. Optics Express, 2018, 26, 24702.	1.7	16
312	Bidirectional long-reach PON using Kramers-Kronig-based receiver for Rayleigh Backscattering noise and SSBI interference elimination. Optics Express, 2018, 26, 19020.	1.7	9
313	Performance of M-PAM FSO communication systems in atmospheric turbulence based on APD detector. Optics Express, 2018, 26, 23819.	1.7	32
314	Multichannel and Multistate All-Optical Switch Using Quantum-Dot and Sample-Grating Semiconductor Optical Amplifier. Electronics (Switzerland), 2018, 7, 166.	1.8	2
315	Simultaneous acoustic and magnetic measurement using cascaded fibre Bragg grating. Optical Fiber Technology, 2018, 45, 376-382.	1.4	5
316	Energy Recovery Strategy Numerical Simulation for Dual Axle Drive Pure Electric Vehicle Based on Motor Loss Model and Big Data Calculation. Complexity, 2018, 2018, 1-14.	0.9	88
317	Arc-Induced Long Period Gratings from Standard to Polarization-Maintaining and Photonic Crystal Fibers. Sensors, 2018, 18, 918.	2.1	45
318	Theoretical limits on localization in single input multiple output (SIMO) visible light systems. , 2018, 82, 31-42.		0
319	DOPLE: A Double Protective Physical Layer Encryption Scheme for OFDM Systems. , 2018, , .		0
320	Comparative analysis of transparent conductive oxide electro-absorption modulators [Invited]. Optical Materials Express, 2018, 8, 2850.	1.6	39
321	Miniature fiber-optic Fabry-Perot refractive index sensor for gas sensing with a resolution of 5×10^{-9} RIU. Optics Express, 2018, 26, 23868.	1.7	52
322	60GHz Reverse Modulation Fiber-Wireless System with Two Jointed DSP Algorithms. Advances in Condensed Matter Physics, 2018, 2018, 1-6.	0.4	3
323	Intensity modulation lens on the basis of nano-scale golden rods and liquid crystal layer. Optical and Quantum Electronics, 2018, 50, 1.	1.5	6
324	A novel double masking scheme for enhancing security of optical chaotic communication based on two groups of mutually asynchronous VCSELs. Optics and Laser Technology, 2018, 107, 122-130.	2.2	5
325	Selective excitation of LG 00, LG 01, and LG 02 modes by a solid core PCF based mode selector in MDM-Ro-FSO transmission systems. Laser Physics, 2018, 28, 075106.	0.6	34
326	A few-picosecond and high-peak-power passively mode-locked erbium-doped fibre laser based on zinc oxide polyvinyl alcohol film saturable absorber. Laser Physics, 2018, 28, 075105.	0.6	27

#	ARTICLE	IF	CITATIONS
327	Random lasing action generation in polymer nanofiber with small diameters. Laser Physics, 2018, 28, 075803.	0.6	5
328	Maximizing Throughput of Hybrid FSO-RF Communication System: An Algorithm. IEEE Access, 2018, 6, 30039-30048.	2.6	29
329	All-optical multi-channel switching at telecommunication wavelengths based on tunable plasmon-induced transparency. Optics Communications, 2018, 425, 196-203.	1.0	43
330	A Novel THz Half-Wave Polarization Converter for Cross-Polarization Conversions of Both Linear and Circular Polarizations and Polarization Conversion Ratio Regulating by Graphene. Journal of Lightwave Technology, 2018, 36, 4250-4258.	2.7	40
331	Performance Improvement of UV Light-emitting Diodes with Triangular Quantum Barriers. IEEE Photonics Technology Letters, 2018, , 1-1.	1.3	15
332	Application of Photonic Crystal Ring Resonators for Realizing All Optical Demultiplexers. Frequenz, 2018, 72, 465-470.	0.6	14
333	A Microwave Photonic Mixer Using a Frequency-Doubled Local Oscillator. IEEE Photonics Journal, 2018, 10, 1-10.	1.0	11
334	On the performance of 2 DF relay mixed RF/FSO airborne system over Exponentiated Weibull fading channel. Optics Communications, 2018, 425, 190-195.	1.0	16
335	Optical Wireless Communication Channel Measurements and Models. IEEE Communications Surveys and Tutorials, 2018, 20, 1939-1962.	24.8	189
336	Analytical Solution of Amplitude Ratio in Optical Phase Quantization Based on Phase Sensitive Amplification. Journal of Lightwave Technology, 2018, , 1-1.	2.7	4
337	Bandwidth-tunable optical passband filter based on graphene-silicon waveguide. Optics Communications, 2018, 426, 206-211.	1.0	11
338	Distinguished Student Paper: Adaptive Color Breakup Index for Field Sequential Color Displays Using Dominant Visual Saliency Method. Digest of Technical Papers SID International Symposium, 2018, 49, 1159-1162.	0.1	2
339	Image content adaptive color breakup index for field sequential color displays using a dominant visual saliency method. Journal of the Society for Information Display, 2018, 26, 85-97.	0.8	12
340	Application of expectation maximization and Kalman smoothing for prognosis of lumen maintenance life for light emitting diodes. Microelectronics Reliability, 2018, 87, 206-212.	0.9	4
341	Development and Integration of a CO Detection System Based on Wavelength Modulation Spectroscopy Using Near-Infrared DFB Laser. Journal of Spectroscopy, 2018, 2018, 1-8.	0.6	3
342	A New Vehicle Localization Scheme Based on Combined Optical Camera Communication and Photogrammetry. Mobile Information Systems, 2018, 2018, 1-14.	0.4	30
343	Structural, Optical, and Electrical Characterization of $\text{In}^2\text{-Ga}_2\text{O}_3$ Thin Films Grown by Plasma-Assisted Molecular Beam Epitaxy Suitable for UV Sensing. Advances in Materials Science and Engineering, 2018, 2018, 1-6.	1.0	18
344	Reduction of intrinsic polarization dependence in arc-induced long-period fiber gratings. Optical Engineering, 2018, 57, 1.	0.5	5

#	ARTICLE	IF	CITATIONS
345	A novel proposal for all optical 3 to 8 decoder based on nonlinear ring resonators. Journal of Modern Optics, 2018, 65, 2017-2024.	0.6	44
346	A Reversed Visible Light Multitarget Localization System via Sparse Matrix Reconstruction. IEEE Internet of Things Journal, 2018, 5, 4223-4230.	5.5	17
347	A novel proposal for an all-optical Galois field adder using nonlinear PhCRRs. Journal of Computational Electronics, 2018, 17, 1176-1180.	1.3	3
348	Effect of different partial pressure on Ga-doped ZnO UV photodetectors by RF sputtering. , 2018, , .		0
349	Positioning and Data Broadcasting Using Illumination Pattern Sequences Displayed by LED Arrays. IEEE Transactions on Communications, 2018, 66, 5582-5592.	4.9	11
350	A comparative study on the performance of MIMO-OTBC subject to Weibull fading channels. International Journal of Communication Systems, 2018, 31, e3731.	1.6	4
351	Pump-gain integrated functional laser fiber towards 10 kW-level high-power applications. Laser Physics Letters, 2018, 15, 095107.	0.6	17
352	375-nm ultraviolet-laser based non-line-of-sight underwater optical communication. Optics Express, 2018, 26, 12870.	1.7	50
353	FIMic: design for ultimate 3D-integral microscopy of in-vivo biological samples. Biomedical Optics Express, 2018, 9, 335.	1.5	72
354	Achievable information rate enhancement of visible light communication using probabilistically shaped OFDM modulation. Optics Express, 2018, 26, 367.	1.7	34
355	Optical frequency combs based on a period-doubling mode-locked Er-doped fiber laser. Optics Express, 2018, 26, 577.	1.7	10
356	Fast coarse-fine locating method for μ -OTDR. Optics Express, 2018, 26, 2659.	1.7	23
357	32 Gigabit-per-second Visible Light Communication Link with InGaN/GaN MQW Micro-photodetector. Optics Express, 2018, 26, 3037.	1.7	56
358	Ultrasensitive sensing in air based on graphene-coated hollow core fibers. Optics Express, 2018, 26, 3098.	1.7	20
359	Average intensity and beam quality of optical coherence lattices in oceanic turbulence with anisotropy. Optics Express, 2018, 26, 4786.	1.7	34
360	All-optical retro-modulation for free-space optical communication. Optics Express, 2018, 26, 5031.	1.7	16
361	Ultra-large core birefringent Yb-doped tapered double clad fiber for high power amplifiers. Optics Express, 2018, 26, 6581.	1.7	47
362	Window-split structured frequency domain Kalman equalization scheme for large PMD and ultra-fast RSOP in an optical coherent PDM-QPSK system. Optics Express, 2018, 26, 7211.	1.7	46

#	ARTICLE	IF	CITATIONS
363	Experimental demonstration of multi-Gbps multi sub-bands FBMC transmission in mm-wave radio over a fiber system. Optics Express, 2018, 26, 7306.	1.7	23
364	Low-energy high-speed plasmonic enhanced modulator using graphene. Optics Express, 2018, 26, 7358.	1.7	23
365	High-port low-latency optical switch architecture with optical feed-forward buffering for 256-node disaggregated data centers. Optics Express, 2018, 26, 8756.	1.7	44
366	Mode-locked Er-doped fiber laser based on PbS/CdS core/shell quantum dots as saturable absorber. Optics Express, 2018, 26, 9017.	1.7	152
367	Photonic generation of linearly chirped microwave waveforms using a monolithic integrated three-section laser. Optics Express, 2018, 26, 9676.	1.7	25
368	Characterization of a fully integrated heterogeneous silicon/III-V colliding pulse mode-locked laser with on-chip feedback. Optics Express, 2018, 26, 9714.	1.7	9
369	Optical switching in hybrid VO ₂ /Si waveguides thermally triggered by lateral microheaters. Optics Express, 2018, 26, 12387.	1.7	35
370	Interferometric imaging using Si ₃ N ₄ photonic integrated circuits for a SPIDER imager. Optics Express, 2018, 26, 12801.	1.7	36
371	High speed and small footprint silicon micro-ring modulator assembly for space-division-multiplexed 100-Gbps optical interconnection. Optics Express, 2018, 26, 13721.	1.7	13
372	Secured single-pixel broadcast imaging. Optics Express, 2018, 26, 14578.	1.7	61
373	All-fiber polarization beam splitting and rotating based on vector-mode-assisted coupling. Optics Express, 2018, 26, 15124.	1.7	12
374	Manipulation of extinction features in frequency combs through the usage of graphene. Optics Express, 2018, 26, 15490.	1.7	6
375	Generation and phase noise analysis of a wide optoelectronic oscillator with ultra-high resolution based on stimulated Brillouin scattering. Optics Express, 2018, 26, 16113.	1.7	27
376	Finite element steady periodic beam propagation analysis of mode instability in high power fiber amplifiers. Optics Express, 2018, 26, 16875.	1.7	4
377	Graphene-based tunable plasmon induced transparency in gold strips. Optical Materials Express, 2018, 8, 1069.	1.6	20
378	Impacts of doping on epitaxial germanium thin film quality and Si-Ge interdiffusion. Optical Materials Express, 2018, 8, 1117.	1.6	11
379	Broadband tunable terahertz polarization converter based on a sinusoidally-slotted graphene metamaterial. Optical Materials Express, 2018, 8, 1164.	1.6	61
380	Partial Discharge Ultrasound Detection Using the Sagnac Interferometer System. Sensors, 2018, 18, 1425.	2.1	40

#	ARTICLE	IF	CITATIONS
381	Investigation of channel model for weakly coupled multicore fiber. Optics Express, 2018, 26, 5182.	1.7	27
382	Novel fabrication technique for phase-shifted fiber Bragg gratings using a variable-velocity scanning beam and a shielded phase mask. Optics Express, 2018, 26, 13311.	1.7	20
383	Stable actively Q-switched single-frequency fiber laser at 15 μ m based on self-injecting polarization modulation. Optics Express, 2018, 26, 17000.	1.7	12
384	In-fiber Mach-Zehnder interferometer with piecewise interference spectrum based on hole-assisted dual-core fiber for refractive index sensing. Optics Express, 2018, 26, 19091.	1.7	27
385	A polymer microsphere-filled cholesteric-liquid crystal film with bistable electro-optical characteristics. Materials and Design, 2018, 157, 151-158.	3.3	28
386	Diffraction Efficiency Distribution of Output Grating in Holographic Waveguide Display System. IEEE Photonics Journal, 2018, 10, 1-10.	1.0	15
387	Wavelength division multiplexing secure communication scheme based on an optically coupled phase chaos system and PM-to-IM conversion mechanism. Nonlinear Dynamics, 2018, 94, 1949-1959.	2.7	30
388	Non-destructive ghost authentication for single-pixel imaging in mass user environment. Laser Physics, 2018, 28, 096203.	0.6	3
389	A Two-Dimensional Constellation Design Method for Visible Light Communications With Signal-Dependent Shot Noise. IEEE Communications Letters, 2018, 22, 1786-1789.	2.5	8
390	Ultrasensitive biosensor based on long period grating coated with polycarbonate-graphene oxide multilayer. Sensors and Actuators B: Chemical, 2018, 274, 517-526.	4.0	73
391	Interference mitigation and capacity enhancement using constraint field of view ADR in downlink VLC channel. IET Communications, 2018, 12, 1968-1978.	1.5	32
392	A novel chaotic encryption scheme based on image segmentation and multiple diffusion models. Optics and Laser Technology, 2018, 108, 558-573.	2.2	53
393	Highly sensitive nano-scale plasmonic biosensor utilizing Fano resonance metasurface in THz range: Numerical study. Physica E: Low-Dimensional Systems and Nanostructures, 2018, 104, 233-240.	1.3	97
394	QPSK Training Sequence-Based Both OSNR and Chromatic Dispersion Monitoring in DWDM Systems. IEEE Photonics Journal, 2018, 10, 1-10.	1.0	7
395	Closed-Form Approximations to Solutions of Plasmon Dispersion at a Dielectric/Conductor Interface. IEEE Journal of Quantum Electronics, 2018, 54, 1-5.	1.0	1
396	Monolithically integrated erbium-doped tunable laser on a CMOS-compatible silicon photonics platform. Optics Express, 2018, 26, 16200.	1.7	56
397	Lightitude. , 2018, 2, 1-25.		10
398	Physical layer security in mixed Rf/FSO system under multiple eavesdroppers collusion and non-collusion. Optical and Quantum Electronics, 2018, 50, 1.	1.5	21

#	ARTICLE	IF	CITATIONS
399	Low-Power Optical Interconnects based on Resonant Silicon Photonic Devices. , 2018, , .		5
400	Capture Effect in the FSA-Based Networks under Rayleigh, Rician and Nakagami-m Fading Channels. Applied Sciences (Switzerland), 2018, 8, 414.	1.3	3
401	Ultra-Wide-Bandwidth Tunable Magnetic Fluid-Filled Hybrid Connected Dual-Core Photonic Crystal Fiber Mode Converter. Crystals, 2018, 8, 95.	1.0	10
402	Design and analysis of an optical full-adder based on nonlinear photonic crystal ring resonators. Optik, 2018, 172, 127-136.	1.4	49
403	Design and simulation of an all optical photonic crystal-based comparator. Optik, 2018, 172, 241-248.	1.4	68
404	Double Fano resonance in a side-by-side gratings structure. Journal of Optics (United Kingdom), 2018, 20, 085002.	1.0	3
405	Control of the Spin Angular Momentum and Orbital Angular Momentum of a Reflected Wave by Multifunctional Graphene Metasurfaces. Materials, 2018, 11, 1054.	1.3	19
406	Remote Sensing Images Stripe Noise Removal by Double Sparse Regulation and Region Separation. Remote Sensing, 2018, 10, 998.	1.8	10
407	High-Speed Interrogation for Large-Scale Fiber Bragg Grating Sensing. Sensors, 2018, 18, 665.	2.1	9
408	Edge-Aware Unidirectional Total Variation Model for Stripe Non-Uniformity Correction. Sensors, 2018, 18, 1164.	2.1	16
409	Enhanced Pedestrian Navigation Based on Course Angle Error Estimation Using Cascaded Kalman Filters. Sensors, 2018, 18, 1281.	2.1	22
410	Liquefied Petroleum Gas Monitoring System Based on Polystyrene Coated Long Period Grating. Sensors, 2018, 18, 1435.	2.1	14
411	Directional Sensitivity of a MEMS-Based Fiber-Optic Extrinsic Fabry-Perot Ultrasonic Sensor for Partial Discharge Detection. Sensors, 2018, 18, 1975.	2.1	19
412	High-sensitive ultrasonic sensor using fiber-tip PVC diaphragm Fabry-Perot interferometer and its imaging application. Sensors and Actuators A: Physical, 2018, 279, 474-480.	2.0	10
413	Advances in distributed measurement of polarization characteristics for Y waveguide. , 2018, , .		1
414	Acousto-Optic Double Side-Band Amplitude Modulation of a Fiber Bragg Grating in a Four-Holes Suspended-Core Fiber. Journal of Lightwave Technology, 2018, 36, 4146-4152.	2.7	4
415	Single LED-Based Indoor Positioning System Using Multiple Photodetectors. IEEE Photonics Journal, 2018, 10, 1-8.	1.0	25
416	Application of self-collimated beams in realizing all-optical photonic crystal-based half-adder. Photonic Network Communications, 2018, 36, 344-349.	1.4	35

#	ARTICLE	IF	CITATIONS
417	High-Speed Imaging Meets Single-Cell Analysis. <i>CheM</i> , 2018, 4, 2278-2300.	5.8	37
418	Sensitivity-Improved Ultrasonic Sensor for 3D Imaging of Seismic Physical Model Using a Compact Microcavity. <i>Sensors</i> , 2018, 18, 2315.	2.1	6
419	A low PAPR multicarrier and multiple access schemes for VLC. <i>Optics Communications</i> , 2018, 425, 121-132.	1.0	6
420	Stabilization Control of Electro-Optical Tracking System With Fiber-Optic Gyroscope Based on Modified Smith Predictor Control Scheme. <i>IEEE Sensors Journal</i> , 2018, 18, 8172-8178.	2.4	24
421	Quasi-periodic photonic crystal Fabry-Perot optical filter based on Si/SiO ₂ for visible-laser spectral selectivity. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 225103.	1.3	21
422	Performance analysis of all-optical full-adder based on two-dimensional photonic crystals. <i>Journal of Computational Electronics</i> , 2018, 17, 1124-1134.	1.3	53
423	Development of a variable and broad speed range all-fiber laser vibration measurement technology. <i>Optical Fiber Technology</i> , 2018, 45, 188-194.	1.4	5
424	Analysis on Fourier characteristics of wavelength-scanned optical spectrum of low-finesse Fabry-Perot acoustic sensor. <i>Optics Express</i> , 2018, 26, 22064.	1.7	8
425	CMOS compatible all-silicon TM pass polarizer based on highly doped silicon waveguide. <i>Optics Express</i> , 2018, 26, 20878.	1.7	43
426	Compact epsilon-near-zero silicon photonic phase modulators. <i>Optics Express</i> , 2018, 26, 21594.	1.7	31
427	Flexible dual-soliton manipulation for coherent anti-Stokes Raman scattering spectroscopy. <i>Optics Express</i> , 2018, 26, 22001.	1.7	9
428	Optical Coherence Tomography for NDE. , 2018, , 1-44.		2
429	Ultracompact Optical Hybrid Based on Standing Wave Integrated With Graphene-Based Photodetector for Coherent Detection. <i>IEEE Photonics Journal</i> , 2018, 10, 1-12.	1.0	1
430	Relay Selection Based Hybrid RF/FSO Transmission over Double Generalized Gamma Channels under Outdated CSI and Pointing Errors. , 2018, , .		3
431	Chart decoder: Generating textual and numeric information from chart images automatically. <i>Journal of Visual Languages and Computing</i> , 2018, 48, 101-109.	1.8	29
432	Separation of Vehicle Detection Area Using Fourier Descriptor Under Internet of Things Monitoring. <i>IEEE Access</i> , 2018, 6, 47600-47609.	2.6	9
433	Application of particle filter technique to online prognostics for solenoid valve. <i>Journal of Intelligent and Fuzzy Systems</i> , 2018, 35, 523-532.	0.8	8
434	Comparison of digital signal processing, feedback and feedforward compensation technique for dual polarization 128-QAM radio over fiber link. <i>Optik</i> , 2018, 174, 68-76.	1.4	2

#	ARTICLE	IF	CITATIONS
435	The Temperature Compensation of FBG Sensor for Monitoring the Stress on Hole-Edge. IEEE Photonics Journal, 2018, 10, 1-9.	1.0	15
436	Active control of broadband plasmon-induced transparency in a terahertz hybrid metal-graphene metamaterial. RSC Advances, 2018, 8, 27746-27753.	1.7	26
437	Superfocusing of terahertz wave through spoof surface plasmons. Optics Express, 2018, 26, 22722.	1.7	23
438	Empirical evaluation of propagation of LP 01 and LP 02 modes over solid-core photonic crystal fibre. Laser Physics, 2018, 28, 105106.	0.6	3
439	Statistical Studies of Fading in Underwater Wireless Optical Channels in the Presence of Air Bubble, Temperature, and Salinity Random Variations. IEEE Transactions on Communications, 2018, , 1-1.	4.9	133
440	Twin Core Photonic Crystal Fiber Plasmonic Refractive Index Sensor. IEEE Sensors Journal, 2018, 18, 5761-5769.	2.4	119
441	Towards tapered-fiber-based all-fiberized high power narrow linewidth fiber laser. Science China Technological Sciences, 2018, 61, 971-981.	2.0	14
442	Reflective mercury ion and temperature sensor based on a functionalized no-core fiber combined with a fiber Bragg grating. Sensors and Actuators B: Chemical, 2018, 272, 331-339.	4.0	34
443	MIMO Underwater Visible Light Communications: Comprehensive Channel Study, Performance Analysis, and Multiple-Symbol Detection. IEEE Transactions on Vehicular Technology, 2018, 67, 8223-8237.	3.9	85
444	(InGa _{1-x}) ₂ O ₃ Photodetectors Fabricated on Sapphire at Different Temperatures by PLD. IEEE Photonics Journal, 2018, 10, 1-8.	1.0	7
445	High-power passively Q-switched Yb-doped fiber laser based on Tin selenide as a saturable absorber. Laser Physics, 2018, 28, 085105.	0.6	19
446	Exact analytical BER expression in FSO using $\hat{\Gamma}_{\pm}^{-1/4}$ distribution proposed as an approximation of gamma-gamma PDF. , 2018, , .		1
447	Simultaneous measurement of current and temperature by using an all-fiber interferometric cost-effective and non-destructive sensing scheme. Optik, 2018, 171, 1-8.	1.4	4
448	Ultra-fast all-optical encoder using photonic crystal-based ring resonators. Photonic Network Communications, 2018, 36, 272-277.	1.4	42
449	Improved visible light communication positioning algorithm based on image sensor tilting at room corners. IET Communications, 2018, 12, 1201-1206.	1.5	17
450	Elliptical Photonic Crystal Fiber Polarization Filter Combined With Surface Plasmon Resonance. IEEE Photonics Technology Letters, 2018, 30, 1368-1371.	1.3	19
451	Highly Efficient Graphene-Based Optical Modulator With Edge Plasmonic Effect. IEEE Photonics Journal, 2018, 10, 1-7.	1.0	11
452	Integrating low-resolution surveillance camera and smartphone inertial sensors for indoor positioning. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
453	All-fiber mode-locked cylindrical vector beam laser using broadband long period grating. <i>Laser Physics Letters</i> , 2018, 15, 085108.	0.6	10
454	Solid core PCF-based mode selector for MDM-Ro-FSO transmission systems. <i>Photonic Network Communications</i> , 2018, 36, 263-271.	1.4	41
455	Microstructured Optical Fiber-Based Plasmonic Sensors. , 2019, , 203-232.		20
456	Ultra-Broadband Add-Drop Filter/Switch Circuit Using Subwavelength Grating Waveguides. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019, 25, 1-11.	1.9	9
457	Which wavelength is optimal for transcranial low-level laser stimulation?. <i>Journal of Biophotonics</i> , 2019, 12, e201800173.	1.1	33
458	A Versatile Pulse Control Method to Generate Arbitrary Multidirection Multibutterfly Chaotic Attractors. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 2019, 38, 1480-1492.	1.9	27
459	Optical design of a high-mast luminaire based on four COB LED light source modules. <i>Lighting Research and Technology</i> , 2019, 51, 447-456.	1.2	4
460	A novel approach based on simulation of tunable MEMS diaphragm for extrinsic Fabry-Perot sensors. <i>Optics Communications</i> , 2019, 430, 14-23.	1.0	18
461	The performances of different OAM encoding systems. <i>Optics Communications</i> , 2019, 430, 151-157.	1.0	42
462	A Comprehensive Survey on Cooperative Relaying and Jamming Strategies for Physical Layer Security. <i>IEEE Communications Surveys and Tutorials</i> , 2019, 21, 2734-2771.	24.8	181
463	Eight-Wavelength, Dual Detection Channel Instrument for Near-Infrared Time-Resolved Diffuse Optical Spectroscopy. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019, 25, 1-11.	1.9	15
464	Stable and widely tunable single-/dual-wavelength erbium-doped fiber laser by cascading a twin-core photonic crystal fiber based filter with Mach-Zehnder interferometer. <i>Optics and Laser Technology</i> , 2019, 109, 249-255.	2.2	27
465	BER performance analysis of coherent SIMO FSO systems over correlated non-Kolmogorov turbulence fading with nonzero boresight pointing errors. <i>Optics Communications</i> , 2019, 430, 31-38.	1.0	13
466	Switching adaptable optimization of resource allocation for space division multiplexed elastic optical networks. <i>Optical Switching and Networking</i> , 2019, 31, 8-21.	1.2	11
467	Multi-channel phase regeneration of QPSK signals based on phase sensitive amplification. <i>Frontiers of Optoelectronics</i> , 2019, 12, 24-30.	1.9	6
468	Duobinary Modulation for Visible Light Communications. , 2019, , .		0
469	Scalable Quantum Integrated Circuits on Superconducting Two-Dimensional Electron Gas Platform. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	2
470	Recent progress in optical devices for mode division multiplex transmission system. <i>Opto-electronics Review</i> , 2019, 27, 252-267.	2.4	5

#	ARTICLE	IF	CITATIONS
471	Multi-party quantum privacy comparison of size based on d-level GHZ states. Quantum Information Processing, 2019, 18, 1.	1.0	22
472	A new relay based architecture in hybrid RF/FSO system. Physical Communication, 2019, 36, 100818.	1.2	7
473	Building blocks of silicon photonics. Semiconductors and Semimetals, 2019, 101, 1-41.	0.4	3
474	InAs/InP quantum-dash lasers. , 2019, , 109-138.		2
475	On the performance of transmit antenna selection in multiuser asymmetric RF/FSO system under generalized order user scheduling. Optik, 2019, 197, 163102.	1.4	1
476	Recent Advances in Colloidal Photonic Crystal-Based Anti-Counterfeiting Materials. Crystals, 2019, 9, 417.	1.0	40
477	Performance Analysis of the Hybrid MMW RF/FSO Transmission System. Wireless Personal Communications, 2019, 109, 2199-2211.	1.8	15
478	BSDP: Big Sensor Data Preprocessing in Multi-Source Fusion Positioning System Using Compressive Sensing. IEEE Transactions on Vehicular Technology, 2019, 68, 8866-8880.	3.9	26
479	High power 880nm laser chip with a predicted MTF of 200,000 hours. , 2019, , .		0
480	Empirical Modeling and Analysis of Water-to-Air Optical Wireless Communication Channels. , 2019, , .		16
481	Physical Layer Security of a Two-Hop Mixed RF-FSO System in a Cognitive Radio Network. , 2019, , .		4
482	Maximum-Spectrum-Completeness based Routing and Spectrum Assignment Algorithms for Elastic Optical Networks. , 2019, , .		0
483	Design and Analysis of an SOI Photonic Filter Based on a Microring. , 2019, , .		0
484	Tunable Fiber Laser Using an Er/Yb Codoped Fiber Based Modal Interferometer Filter. Journal of Lightwave Technology, 2019, 37, 5555-5560.	2.7	12
485	Intentional spectrum waste to reduce blocking probability in space division multiplexed elastic optical networks. Optical Fiber Technology, 2019, 52, 101968.	1.4	7
486	Influences of group velocity dispersion on ultrafast pulse shaping in time lens. Physica Scripta, 2019, 94, 125503.	1.2	0
487	Characterization of vibration relative amplitude in direct detection \hat{I}_1 -OTDR using variable gain method. Measurement: Journal of the International Measurement Confederation, 2019, 147, 106869.	2.5	6
488	Microwave signal switching on a silicon photonic chip. Scientific Reports, 2019, 9, 11166.	1.6	4

#	ARTICLE	IF	CITATIONS
489	Secure Image Transmission in Orthogonal Frequency Division Multiplexing Visible Light Communication Systems. IEEE Access, 2019, 7, 107927-107936.	2.6	7
490	Localization in Optical Wireless Sensor Networks for IoT Applications. , 2019, , .		4
491	Iterative point-wise reinforcement learning for highly accurate indoor visible light positioning. Optics Express, 2019, 27, 22161.	1.7	14
492	Coherent Multidimensional Spectroscopy. Springer Series in Optical Sciences, 2019, , .	0.5	19
493	Mitigation of dispersion and turbulence in a hybrid optical fibre and free-space optics link using electronic equalisation. Optik, 2019, 196, 163154.	1.4	9
494	Enhancing the light extraction efficiency of AlGaIn LED with nanowire photonic crystal and graphene transparent electrode. Superlattices and Microstructures, 2019, 133, 106216.	1.4	9
495	Solution for Sampling Time Deviation in Decoding RoI-Signaling Waveform Using S2-PSK. , 2019, , .		0
496	Design of a Novel Double Negative Metamaterial Absorber Atom for Ku and K Band Applications. Electronics (Switzerland), 2019, 8, 853.	1.8	23
497	Impact of Turbulent-Flow-Induced Scintillation on Deep-Ocean Wireless Optical Communication. Journal of Lightwave Technology, 2019, 37, 5083-5090.	2.7	29
498	Optical trapping forces on Rayleigh particles by a focused Bessel-Gaussian correlated Schell-model beam. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 235, 309-316.	1.1	11
499	A Novel Ranging Technique Based on Optical Camera Communications and Time Difference of Arrival. Applied Sciences (Switzerland), 2019, 9, 2382.	1.3	2
500	Omnidirectional Antenna Array-Based Transmitter Direction Sensing in Ultra-Violet Ad-Hoc Scattering Communication Networks. , 2019, , .		2
501	Miniature tri-band wideband Sierpinski-Minkowski fractals metamaterial perfect absorber. IET Microwaves, Antennas and Propagation, 2019, 13, 991-996.	0.7	30
502	Analysing the Effect of Scintillation on Free Space Optics Using Different Scintillation Models. , 2019, , .		6
503	A State-of-the-Art Survey on Multidimensional Scaling-Based Localization Techniques. IEEE Communications Surveys and Tutorials, 2019, 21, 3565-3583.	24.8	103
504	Dual-Wavelength Passively Mode-Locked Yb-Doped Fiber Laser Based on a SnSe ₂ -PVA Saturable Absorber. IEEE Photonics Journal, 2019, 11, 1-13.	1.0	4
505	LED Nonlinearity Estimation and Compensation in VLC Systems Using Probabilistic Bayesian Learning. Applied Sciences (Switzerland), 2019, 9, 2711.	1.3	12
506	Perrogator: A Portable Energy-Efficient Interrogator for Dynamic Monitoring of Wavelength-Based Sensors in Wearable Applications. Sensors, 2019, 19, 2962.	2.1	47

#	ARTICLE	IF	CITATIONS
507	Recent advances in non-contact force sensors used for micro/nano manipulation. Sensors and Actuators A: Physical, 2019, 296, 155-177.	2.0	38
508	Experimental study of the influence of mode excitation on mode instability in high power fiber amplifier. Scientific Reports, 2019, 9, 9396.	1.6	15
509	Silicon nanocrystals: unfading silicon materials for optoelectronics. Materials Science and Engineering Reports, 2019, 138, 85-117.	14.8	74
510	High-reliability grid architecture supporting discretionary and efficient communication between ONUs in metro-access optical network. International Journal of Communication Systems, 2019, 32, e4086.	1.6	6
511	Cluster CV2: a Computer Vision Approach to Spatial Identification of Data Clusters. , 2019, , .		1
512	DP-QPSK Technique for Ultra-high Bit-rate DWDM FSO System. Journal of Optical Communications, 2021, .	4.0	2
513	Laser Absorption Sensing Systems: Challenges, Modeling, and Design Optimization. Applied Sciences (Switzerland), 2019, 9, 2723.	1.3	54
514	MIR plasmonic liquid sensing in nano-metric space driven by capillary force. Journal Physics D: Applied Physics, 2019, 52, 394001.	1.3	20
515	Non-linear companding transform for DCO-OFDM-based VLC systems. IET Communications, 2019, 13, 1110-1114.	1.5	2
516	Tunable optoelectronic oscillator based on a polarization-dependent phase modulator cascaded with a linear chirped FBC. Optics and Laser Technology, 2019, 119, 105643.	2.2	8
517	Performance comparison of two novel relay-assisted hybrid FSO/RF communication systems. IET Communications, 2019, 13, 1551-1556.	1.5	12
518	Numerical design and analysis of a 3-channel grating assisted mode-division (de)multiplexer. Optik, 2019, 187, 272-277.	1.4	9
519	KLMS-DFE based adaptive post-distorter for visible light communication. Optics Communications, 2019, 451, 353-360.	1.0	21
520	The single-polarization filter composed of gold-coated photonic crystal fiber. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 3200-3206.	0.9	32
521	Performance Analysis of Repetition-Coding and Space-Time-Block-Coding as Transmitter Diversity Schemes for Indoor Optical Wireless Communications. Journal of Lightwave Technology, 2019, 37, 5170-5177.	2.7	23
522	Optical Spatial Modulation for FSO IM/DD Communications With Photon-Counting Receivers: Performance Analysis, Transmit Diversity Order and Aperture Selection. IEEE Journal on Selected Areas in Communications, 2019, 37, 2053-2068.	9.7	14
523	A semi-supervised deep learning approach towards localization of crowdsourced data. , 2019, , .		4
524	Visible Light Positioning Using A Single LED Luminaire. IEEE Photonics Journal, 2019, 11, 1-13.	1.0	30

#	ARTICLE	IF	CITATIONS
525	Wavelength assignment method based on ACO to reduce crosstalk for ring-based optical Network-on-Chip. <i>Microprocessors and Microsystems</i> , 2019, 71, 102849.	1.8	4
526	Design of a Four-Branch Optical Power Splitter Based on Gallium-Nitride Using Rectangular Waveguide Coupling for Telecommunication Links. <i>Journal of Engineering (United States)</i> , 2019, 2019, 1-9.	0.5	6
527	A novel proposal for all optical half-subtractor based on photonic crystals. <i>Optical and Quantum Electronics</i> , 2019, 51, 1.	1.5	73
528	Improved Power Budget of 112 Gb/s/ λ Intra-Datacentre Links Using a Split-Carrier Transmitter Architecture. <i>IEEE Photonics Journal</i> , 2019, 11, 1-15.	1.0	2
529	Polymer Optical Fiber Sensors in Healthcare Applications: A Comprehensive Review. <i>Sensors</i> , 2019, 19, 3156.	2.1	139
530	Refractive index sensing based on Brillouin scattering in a micro fiber. <i>Applied Physics Express</i> , 2019, 12, 082013.	1.1	9
531	Dual-band unidirectional reflectionlessness in non-Hermitian quantum system consisting of a gain and a loss plasmonic cavities. <i>Quantum Information Processing</i> , 2019, 18, 1.	1.0	6
532	Broadband absorption enhancement of monolayer graphene by prism coupling in the visible range. <i>Carbon</i> , 2019, 154, 42-47.	5.4	20
533	Hybrid dual-injection locked 1610Ånm quantum-dash laser for MMW and THz applications. <i>Optics Communications</i> , 2019, 452, 355-359.	1.0	8
534	Tunable Beam Steering, Focusing and Generating of Orbital Angular Momentum Vortex Beams Using High-Order Patch Array. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2949.	1.3	14
535	Visible Light Communication and Positioning: Present and Future. <i>Electronics (Switzerland)</i> , 2019, 8, 788.	1.8	12
536	A miniature inline fiber temperature sensor based on a silica capillary partially filled with ethanol. <i>Optik</i> , 2019, 193, 162993.	1.4	3
537	Distributed cooperative computation offloading in multi-access edge computing fiber-“wireless networks. <i>Optics Communications</i> , 2019, 452, 130-139.	1.0	17
538	Performance Analysis of WDM-MIMO Free Space Optical System Under Atmospheric Turbulence. , 2019, , .		9
539	A practical guide to intelligent image-activated cell sorting. <i>Nature Protocols</i> , 2019, 14, 2370-2415.	5.5	71
540	LED-based indoor positioning system using novel optical pixelation technique. <i>Healthcare Technology Letters</i> , 2019, 6, 76-81.	1.9	3
541	Performance enhancement of UV quantum well light emitting diode through structure optimization. <i>Optical and Quantum Electronics</i> , 2019, 51, 1.	1.5	25
542	A sensor-compatible polarization filter based on photonic crystal fiber with dual-open-ring channel by surface plasmon resonance. <i>Optik</i> , 2019, 193, 162868.	1.4	16

#	ARTICLE	IF	CITATIONS
543	A CO ₂ -responsive hydrogel film for optical sensing of dissolved CO ₂ . <i>Soft Matter</i> , 2019, 15, 6107-6115.	1.2	14
544	Method for parameter estimation of LFM signal and its application. <i>IET Signal Processing</i> , 2019, 13, 538-543.	0.9	9
545	Generation of concentric perfect Poincaré beams. <i>Scientific Reports</i> , 2019, 9, 15301.	1.6	7
546	Laser speckle reduction utilized by lens vibration for laser projection applications. <i>Engineering Research Express</i> , 2019, 1, 015036.	0.8	3
547	An Overview of Current Display Technologies and Possible Future Technologies. , 2019, , .		0
548	CMOS-Compatible Optical Phased Array Powered by a Monolithically-Integrated Erbium Laser. <i>Journal of Lightwave Technology</i> , 2019, 37, 5982-5987.	2.7	38
549	The Role of Optical Wireless Communication Technologies in 5G/6G and IoT Solutions: Prospects, Directions, and Challenges. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4367.	1.3	157
550	Nonlinear Optical Properties of Zirconium Diselenide and Its Ultra-Fast Modulator Application. <i>Nanomaterials</i> , 2019, 9, 1419.	1.9	11
551	Extreme Learning Machines to Combat Phase Noise in RoF-OFDM Schemes. <i>Electronics (Switzerland)</i> , 2019, 8, 921.	1.8	17
552	A Wideband Terahertz Transmissive Polarization Manipulator Based on Metasurfaces. <i>Electronics (Switzerland)</i> , 2019, 8, 1068.	1.8	19
553	Deposition Kinetics of Thin Silica-Like Coatings in a Large Plasma Reactor. <i>Materials</i> , 2019, 12, 3238.	1.3	5
554	FDTD simulation of Kretschmann based Cr-Ag-ITO SPR for refractive index sensor. <i>Materials Today: Proceedings</i> , 2019, 7, 668-674.	0.9	20
555	Visible Light Positioning and Navigation Using Noise Measurement and Mitigation. <i>IEEE Transactions on Vehicular Technology</i> , 2019, 68, 11094-11106.	3.9	21
556	Security and confidentiality of network communication using chaotic encryption technology. <i>Journal of Computational Methods in Sciences and Engineering</i> , 2019, 19, 1083-1092.	0.1	0
557	Electrical Treeing in Power Cable Insulation under Harmonics Superimposed on Unfiltered HVDC Voltages. <i>Energies</i> , 2019, 12, 3113.	1.6	14
558	Effectively Identifying the Topological Charge and Polarization Order of Arbitrary Singular Light Beams Based on Orthogonal Polarization Separating. <i>IEEE Photonics Journal</i> , 2019, 11, 1-8.	1.0	1
559	Asymmetrical Radiation Pattern Synthesis of Uniform Phased Arrays via Odd Phase Excitation. , 2019, , .		0
560	Comparative Investigation of Kramers-Kronig and FFE in Low-Cost PON with C-Band SSB-PAM4 Signal. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
561	Optical camera communications: Survey, use cases, challenges, and future trends. Physical Communication, 2019, 37, 100900.	1.2	66
562	Discriminative measurement for temperature and humidity using hollow-core Fabry-Perot interferometer. Optical Fiber Technology, 2019, 53, 102027.	1.4	8
563	Silicon ring resonator electro-optical modulator utilizing epsilon-near-zero characteristics of indium tin oxide. Physica Scripta, 2019, 94, 125507.	1.2	4
564	Experimental study of transverse mode instability threshold dependence on seed wavelength in high power ytterbium-doped fiber amplifiers. Laser Physics, 2019, 29, 105103.	0.6	1
565	Initial Resonant Current Control for Extra-LC Auxiliary Resonant Snubber Soft-Switching Inverter Without Filter Inductor Current Sensor. IEEE Access, 2019, 7, 149237-149244.	2.6	5
566	Suppression of Cross-Band Scattering in Multiband Antenna Arrays. IEEE Transactions on Antennas and Propagation, 2019, 67, 2379-2389.	3.1	109
567	Uplink Pilot Reuse for Multicell Mu-Massive MIMO in Physical Channel Model. , 2019, , .		0
568	Cold-Start Representation Learning. , 2019, , .		2
569	A Robust Dead Reckoning Algorithm Based on Wi-Fi FTM and Multiple Sensors. Remote Sensing, 2019, 11, 504.	1.8	55
570	Indoor Intruder Tracking Using Visible Light Communications. Sensors, 2019, 19, 4578.	2.1	10
571	High-speed and Large-scale Privacy Amplification Scheme for Quantum Key Distribution. Scientific Reports, 2019, 9, 15733.	1.6	22
572	Construction Research of University Data Centre of Cloud Computing Based on Virtualization Technology. IOP Conference Series: Materials Science and Engineering, 2019, 569, 052022.	0.3	0
573	Experimental Comparison of Multi-User Access Schemes with Multiband CAP. , 2019, , .		0
574	Coupled-Resonator-Induced-Transparency on Germanium-on-Insulator Mid-Infrared Platform. , 2019, , .		0
575	Fiber-Based Large Dynamic Range Vibration Sensing With Dual-Wavelength Phase Unwrapping. Journal of Lightwave Technology, 2019, 37, 6090-6096.	2.7	11
576	Enabling scalable chiplet-based uniform memory architectures with silicon photonics. , 2019, , .		15
577	Comparison of Measurements with Finite-Element Analysis of Silicon-Diaphragm-Based Fiber-Optic Fabry-Perot Temperature Sensors. Sensors, 2019, 19, 4780.	2.1	6
579	High-Bandwidth InGaN Self-Powered Detector Arrays toward MIMO Visible Light Communication Based on Micro-LED Arrays. ACS Photonics, 2019, 6, 3186-3195.	3.2	76

#	ARTICLE	IF	CITATIONS
580	Wideband and Large Angle Electromagnetically Induced Transparency by the Equivalent Transmission Line in a Metasurface. Scientific Reports, 2019, 9, 15801.	1.6	4
586	Hybrid Feature Extraction of Pipeline Microstates Based on \hat{I} -OTDR Sensing System. Journal of Control Science and Engineering, 2019, 2019, 1-10.	0.8	6
587	Detecting Orbital Angular Momentum Modes of Vortex Beams Using Feed-Forward Neural Network. Journal of Lightwave Technology, 2019, 37, 5848-5855.	2.7	24
588	Worst crosstalk analysis in heterogeneous and trench assisted heterogeneous multicore fiber for different core counts and layouts. Optical and Quantum Electronics, 2019, 51, 1.	1.5	4
589	High sensitivity directional torsion sensor based on cascaded multimode and Mach-Zehnder interferometers with spiral structure. Engineering Research Express, 2019, 1, 025041.	0.8	0
590	A theoretical investigation of a photonic crystal fibre with ultra-flattened chromatic dispersion with three zero crossing dispersion wavelengths. Optical Fiber Technology, 2019, 53, 102032.	1.4	6
591	Characteristic analysis and robust control design of double-stage precision stabilized platform. Sensors and Actuators A: Physical, 2019, 300, 111636.	2.0	9
592	A review of blue light emitting diodes for future solid state lighting and visible light communication applications. Superlattices and Microstructures, 2019, 136, 106294.	1.4	21
593	All-Optical Network Capacity for 5G Cellular Fronthaul. , 2019, , .		1
594	Multiple-Bounce Scattering of Tomo-SAR in Single-Pass Mode for Building Reconstructions. IEEE Access, 2019, 7, 124341-124350.	2.6	3
595	Switchable Multi-Wavelength Thulium-Doped Fiber Laser Employing a Polarization-Maintaining Sampled Fiber Bragg Grating. IEEE Access, 2019, 7, 155437-155445.	2.6	24
596	Optical Frequency Comb Generation based on MZM for Elastic Optical Networks. , 2019, , .		1
597	Surface-Enhanced Infrared Absorption-Based CO2 Sensor using Photonic Crystal Slab. , 2019, , .		2
598	Ultra-Broadband and Compact Two-Mode Multiplexer Based on Subwavelength-Grating-Slot-Assisted Adiabatic Coupler for the Silicon-on-Insulator Platform. Journal of Lightwave Technology, 2019, 37, 5790-5800.	2.7	33
599	Security outage performance of partial relay selection in AF mixed RF/FSO system with outdated channel state information. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3555.	2.6	9
600	Probing cellulose structures with vibrational spectroscopy. Cellulose, 2019, 26, 35-79.	2.4	132
601	Robustness of Optical Steganographic Communication Under Coherent Detection Attack. IEEE Photonics Technology Letters, 2019, 31, 327-330.	1.3	13
602	Low-Complexity and Robust PAPR Reduction and LED Nonlinearity Mitigation for UACO-OFDM LiFi Systems. , 2019, , .		5

#	ARTICLE	IF	CITATIONS
603	1.34 Åµm Q-Switched Nd:YVO4 Laser with a Reflective WS2 Saturable Absorber. <i>Nanomaterials</i> , 2019, 9, 1200.	1.9	9
604	A background-free phase-coded microwave pulse generator by optoelectronic oscillation. <i>Optics Communications</i> , 2019, 453, 124318.	1.0	3
605	Junction Temperature Prediction for LED Luminaires Based on a Subsystem-Separated Thermal Modeling Method. <i>IEEE Access</i> , 2019, 7, 119755-119764.	2.6	7
606	Localization Error Analysis of Indoor Positioning System Based on UWB Measurements. , 2019, , .		30
607	Study of the operation optical power in modified uni-traveling carrier photodetector for low amplitude to phase conversion. <i>Optical and Quantum Electronics</i> , 2019, 51, 1.	1.5	2
608	Power transforms for the Weibull and the Kå€distribution. <i>IET Radar, Sonar and Navigation</i> , 2019, 13, 522-529.	0.9	0
609	All-fiber nonlinear optical switch based on polarization controller coiled SMFå€“GIMFå€“SMF for ultrashort pulse generation. <i>Optics Communications</i> , 2019, 452, 7-11.	1.0	24
610	Hollow-Core Fiber-Based All-Fiber FPI Sensor for Simultaneous Measurement of Air Pressure and Temperature. <i>IEEE Sensors Journal</i> , 2019, 19, 11236-11241.	2.4	32
611	Performance Analysis of Digitized Orthogonal Frequency Division Multiplexing System for Future Wireless Communication. <i>Wireless Personal Communications</i> , 2019, 109, 2239-2250.	1.8	4
612	Multicore Fiber-Enabled Stable Millimeter-Wave Local Oscillator Phase Dissemination Trunk Network. <i>Journal of Lightwave Technology</i> , 2019, 37, 5238-5245.	2.7	6
613	Effect of permeability on foam mobility and flow resistance distribution: An experimental study. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 582, 123769.	2.3	26
614	VL-ROUTE: A Cross-Layer Routing Protocol for Visible Light Ad Hoc Network. , 2019, , .		6
615	Time Domain NIRS Optode based on Null/Small Source-Detector Distance for Wearable Applications. , 2019, , .		5
616	Measurement and Analysis of Stray Currents. , 2019, , .		8
617	Broadband Terahertz Polarizing Beam Splitter Based on a Graphene-Based Defective One-Dimensional Photonic Crystal. <i>IEEE Photonics Journal</i> , 2019, 11, 1-13.	1.0	19
618	Dictionary-Based Statistical Fingerprinting for Indoor Localization. <i>IEEE Transactions on Vehicular Technology</i> , 2019, 68, 8827-8841.	3.9	17
619	Investigation into Using Compensation for the Nonlinear Effects of the Output of LEDs in Visible Light Communication Systems. , 2019, , .		4
620	Dynamically Tunable Linear-Circular Polarization Converter Based on Graphene. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
621	Spectral Processing of Self-Mixing Interferometric Signal Phase for Improved Vibration Sensing Under Weak- and Moderate-Feedback Regime. IEEE Sensors Journal, 2019, 19, 11151-11158.	2.4	29
622	Energy-Spectral Efficiency Tradeoff in DCO-OFDM Visible Light Communication System. IEEE Transactions on Vehicular Technology, 2019, 68, 9872-9882.	3.9	19
623	A Smartphone 3D Positioning Method using a Spinning Magnet Marker. Journal of Information Processing, 2019, 27, 10-24.	0.3	3
624	SNR improvement of picosecond optical pulse by ASE noise suppression for high resolution OTDR in IoT. , 2019, , .		0
625	The Extended SLM Combined Autoencoder of the PAPR Reduction Scheme in DCO-OFDM Systems. Applied Sciences (Switzerland), 2019, 9, 852.	1.3	14
626	Indoor Positioning Using Auto Sextant. , 2019, , .		0
627	Resource Allocation in Heterogeneous Network With Visible Light Communication and D2D: A Hierarchical Game Approach. IEEE Transactions on Communications, 2019, 67, 7616-7628.	4.9	10
628	Denosing method based upon ECMD and selective addition for phi-OTDR. Optics Communications, 2019, 452, 313-320.	1.0	8
629	Expanded Electroluminescence in High Load CdS Nanocrystals PVK-Based LEDs. Nanomaterials, 2019, 9, 1212.	1.9	15
630	Polarization Insensitive, Wide-Angle, Ultra-wideband, Flexible, Resistively Loaded, Electromagnetic Metamaterial Absorber using Conventional Inkjet-Printing Technology. Scientific Reports, 2019, 9, 12334.	1.6	50
631	All-Optical Ultra-Fast Graphene-Photonic Crystal Switch. Crystals, 2019, 9, 461.	1.0	34
632	A Method for the Destriping of an Orbital Hyperspectral Image with Adaptive Moment Matching and Unidirectional Total Variation. Remote Sensing, 2019, 11, 2098.	1.8	15
633	A novel smartphone application for indoor positioning of users based on machine learning. , 2019, , .		15
634	Optical properties and surface blistering visualization on multiple-energy He-implanted Yb:YGG crystal by annealing treatment. Results in Physics, 2019, 15, 102621.	2.0	14
635	Dynamics Contributions to the Growth Mechanism of Ga ₂ O ₃ Thin Film and NWs Enabled by Ag Catalyst. Nanomaterials, 2019, 9, 1272.	1.9	13
636	Design and analysis of all-optical line decoder based on linear photonic crystal. IET Optoelectronics, 2019, 13, 191-195.	1.8	30
637	A Photon Counting Underwater NOMA Wireless Optical Communication System. , 2019, , .		8
638	Fluorescent and Mechanical Properties of Silicon Quantum Dots Modified Sodium Alginate-Carboxymethylcellulose Sodium Nanocomposite Bio-Polymer Films. Polymers, 2019, 11, 1476.	2.0	7

#	ARTICLE	IF	CITATIONS
639	Real-time wavelength reuse based on Bragg trans-reflection for dynamic reference frequency and data transfer in Datacom. Journal of Modern Optics, 2019, 66, 1631-1636.	0.6	0
640	A Flexible OLED based VLC Link with m-CAP Modulation. , 2019, , .		2
641	An Effective Way for Simulating Oceanic Turbulence Channel on the Beam Carrying Orbital Angular Momentum. Scientific Reports, 2019, 9, 14009.	1.6	29
642	Optically transparent broadband and polarization insensitive microwave metamaterial absorber. Journal of Applied Physics, 2019, 126, .	1.1	19
643	Enhanced Distributed Fiber Optic Vibration Sensing and Simultaneous Temperature Gradient Sensing Using Traditional C-OTDR and Structured Fiber with Scattering Dots. Sensors, 2019, 19, 4114.	2.1	34
644	A joint adaptive evolutionary model towards optical image contrast enhancement and geometrical reconstruction approach in underwater remote sensing. SN Applied Sciences, 2019, 1, 1.	1.5	6
645	A proposal for an all optical full adder using nonlinear photonic crystal ring resonators. Optik, 2019, 199, 163359.	1.4	6
646	Performance of hybrid cellular-VLC link for indoor environments under dynamic user movement. Physical Communication, 2019, 36, 100816.	1.2	3
647	An auxiliary-graph-based methodology for regenerator assignment problem optimization in translucent elastic optical networks. Optical Fiber Technology, 2019, 53, 102008.	1.4	4
648	TOWS: Introducing Optical Wireless for Satellites. , 2019, , .		6
649	Evacuation route recommendation using auto-encoder and Markov decision process. Applied Soft Computing Journal, 2019, 84, 105741.	4.1	23
650	Secrecy Performance of Decode-and-Forward Based Hybrid RF/VLC Relaying Systems. IEEE Access, 2019, 7, 10844-10856.	2.6	29
651	Smart $\frac{1}{4}$ LED Display-VLC System With a PD-Based/Camera-Based Receiver for NFC Applications. IEEE Photonics Journal, 2019, 11, 1-8.	1.0	5
652	Photonics-Assisted Super-Octave Microwave Phase Shifter. IEEE Photonics Journal, 2019, 11, 1-11.	1.0	1
653	State of the Art and Perspectives on Silicon Photonic Switches. Micromachines, 2019, 10, 51.	1.4	50
654	Improved Dynamic Multi-Party Quantum Private Comparison for Next-Generation Mobile Network. IEEE Access, 2019, 7, 17917-17926.	2.6	36
655	Determining speckle orientation of interferometric out-of-focus images. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 226, 73-80.	1.1	9
656	Impact on the chirp effect of the shaped electrical-driven current of the directly-modulated $1.55\frac{1}{4}$ mVCSEL in an optical fiber link. Optics Communications, 2019, 435, 326-333.	1.0	2

#	ARTICLE	IF	CITATIONS
657	Parametric PSpice Circuit of Energy Saving Lamp Emulating Current Waveform. Applied Sciences (Switzerland), 2019, 9, 152.	1.3	7
658	Experimental Multi-User Visible Light Communication Attocell Using Multiband Carrierless Amplitude and Phase Modulation. IEEE Access, 2019, 7, 12742-12754.	2.6	23
659	Ultra-wideband multi-level optical modulation in a Ge ₂ Sb ₂ Te ₅ -based waveguide with low power consumption and small footprint. Optics Communications, 2019, 439, 53-60.	1.0	16
660	Two-Dimensional Optical Metasurfaces: From Plasmons to Dielectrics. Advances in Condensed Matter Physics, 2019, 2019, 1-15.	0.4	19
661	In-Fiber Collimator-Based Fabry-Perot Interferometer with Enhanced Vibration Sensitivity. Sensors, 2019, 19, 435.	2.1	19
662	Dynamic model of information diffusion based on multidimensional complex network space and social game. Physica A: Statistical Mechanics and Its Applications, 2019, 521, 578-590.	1.2	11
663	Mid-Infrared Tunable Laser-Based Broadband Fingerprint Absorption Spectroscopy for Trace Gas Sensing: A Review. Applied Sciences (Switzerland), 2019, 9, 338.	1.3	106
664	An improved local binary pattern based edge detection algorithm for noisy images. Journal of Intelligent and Fuzzy Systems, 2019, 36, 2043-2054.	0.8	15
665	Flat Fibers: Fabrication and Modal Characterization. , 2019, , 1-14.		0
666	Synthesis of Silicon Quantum Dots with Highly Efficient Full-Band UV Absorption and Their Applications in Antiyellowing and Resistance of Photodegradation. ACS Applied Materials & Interfaces, 2019, 11, 6634-6643.	4.0	45
667	Frequency Difference Thermally and Electrically Tunable Dual-Frequency Nd:YAG/LiTaO ₃ Microchip Laser. Applied Sciences (Switzerland), 2019, 9, 1969.	1.3	4
668	Efficient Dual-Wavelengths Continuous Mode Lasers by End-Pumping of Series Nd:YVO ₄ and Nd:GdVO ₄ Crystals and Speckle Reduction Study. Photonics, 2019, 6, 53.	0.9	1
669	Asymmetrical photonic crystal fiber based on the surface plasmon resonance sensor and analysis by the lower-birefringence peak method. Optik, 2019, 189, 121-129.	1.4	3
670	A novel proposal for all-optical 1-bit comparator using nonlinear PhCRRs. Photonic Network Communications, 2019, 38, 244-249.	1.4	47
671	Engineering the spectral properties of Fano-type resonances in active racetrack-waveguide coupled structures. Optics Communications, 2019, 450, 39-47.	1.0	0
672	Highly flexible organic light-emitting diodes on patterned Ag nanowire network transparent electrodes. Organic Electronics, 2019, 71, 220-226.	1.4	25
673	High performance, flexible and room temperature grown amorphous Ga ₂ O ₃ solar-blind photodetector with amorphous indium-zinc-oxide transparent conducting electrodes. Journal Physics D: Applied Physics, 2019, 52, 335103.	1.3	55
674	Infrared Stripe Correction Algorithm Based on Wavelet Analysis and Gradient Equalization. Applied Sciences (Switzerland), 2019, 9, 1993.	1.3	13

#	ARTICLE	IF	CITATIONS
675	High-Efficiency Coupling Method of the Gradient-Index Fiber Probe and Hollow-Core Photonic Crystal Fiber. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2073.	1.3	3
676	Indoor Localization Method Based on Regional Division with IFCM. <i>Electronics (Switzerland)</i> , 2019, 8, 559.	1.8	15
677	High-Precision Indoor Visible Light Positioning Using Modified Momentum Back Propagation Neural Network with Sparse Training Point. <i>Sensors</i> , 2019, 19, 2324.	2.1	21
678	Temporal-Spatial Nonlinear Filtering for Infrared Focal Plane Array Stripe Nonuniformity Correction. <i>Symmetry</i> , 2019, 11, 673.	1.1	4
679	A Single-Resonant-Structure and Optically Transparent Broadband THz Metamaterial Absorber. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2019, 40, 648-656.	1.2	12
680	A Novel Polarization Filter Based on Photonic Crystal Fiber with a Single Au-Coated Air Hole and Semi-Hourglass Structure. <i>Plasmonics</i> , 2019, 14, 1725-1733.	1.8	8
681	High throughput fabrication of large-area colloidal crystals via a two-stage electrophoretic deposition method. <i>Electrochimica Acta</i> , 2019, 317, 52-60.	2.6	19
682	Three-Dimensional Microtubular Devices for Lab-on-a-Chip Sensing Applications. <i>ACS Sensors</i> , 2019, 4, 1476-1496.	4.0	38
684	Research on a big data information optical double encryption algorithm based on compressive ghost imaging. <i>Laser Physics Letters</i> , 2019, 16, 085201.	0.6	2
685	Fano resonance photonic crystal filters and modulators. <i>Semiconductors and Semimetals</i> , 2019, , 149-188.	0.4	3
686	Cooperative NOMA-Based DCO-OFDM VLC System. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2019, , 14-24.	0.2	4
687	Retrieving Performances of Vortex Beams with GS Algorithm after Transmitting in Different Types of Turbulences. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2269.	1.3	21
688	A Tunable Graphene 90° Polarization Rotator Achieved by Sine Equation Voltage Adjustment. <i>Nanomaterials</i> , 2019, 9, 849.	1.9	3
689	Experimental Study of 5-kW High-Stability Monolithic Fiber Laser Oscillator With or Without External Feedback. <i>IEEE Photonics Journal</i> , 2019, 11, 1-8.	1.0	18
690	High transmittance $\text{In}^{2-}\text{Ga}_2\text{O}_3$ thin films deposited by magnetron sputtering and post-annealing for solar-blind ultraviolet photodetector. <i>Journal of Alloys and Compounds</i> , 2019, 803, 9-15.	2.8	98
691	An ultra fast optical reversible gate based on electromagnetic scattering in nonlinear photonic crystal resonant cavities. <i>Optical Materials</i> , 2019, 94, 371-377.	1.7	29
692	Review Paper on Transmitarray Antennas. <i>IEEE Access</i> , 2019, 7, 94171-94188.	2.6	93
693	Two novel hybrid architectures for improving the system performance in long length FSO links. <i>Optics Communications</i> , 2019, 451, 153-159.	1.0	6

#	ARTICLE	IF	CITATIONS
694	Multiple-Image Encryption Mechanism Based on Ghost Imaging and Public Key Cryptography. IEEE Photonics Journal, 2019, 11, 1-14.	1.0	9
695	Application of nonlinear photonic crystal ring resonators in realizing all optical OR/NOT/AND gates. Optical and Quantum Electronics, 2019, 51, 1.	1.5	12
696	Thermally induced error analysis and suppression of optic fiber delay loop in the different variable rate of temperature. Optik, 2019, 193, 162994.	1.4	8
697	Gallium oxide solar-blind ultraviolet photodetectors: a review. Journal of Materials Chemistry C, 2019, 7, 8753-8770.	2.7	353
698	Simultaneous measurement of refractive index and temperature based on asymmetrical Fabry-Perot interferometer. Microwave and Optical Technology Letters, 2019, 61, 2190-2195.	0.9	6
699	Effect of lithium nanosandwiching on the structural, optical and dielectric performance of MoO ₃ . Physica E: Low-Dimensional Systems and Nanostructures, 2019, 114, 113569.	1.3	7
700	Yb-doped fiber laser mode-locked with Au nanocages/SiO ₂ saturable absorber. Optical and Quantum Electronics, 2019, 51, 1.	1.5	3
701	Review on partially coherent vortex beams. Frontiers of Optoelectronics, 2019, 12, 229-248.	1.9	31
702	Analysis of optical injection on red and blue laser diodes for high bit-rate visible light communication. Optics Communications, 2019, 449, 79-85.	1.0	10
703	36 th : Variable Transmission Electrophoretic Films. Digest of Technical Papers SID International Symposium, 2019, 50, 497-500.	0.1	3
704	Influence of growth temperature on the characteristics of In ² -Ga ₂ O ₃ epitaxial films and related solar-blind photodetectors. Applied Surface Science, 2019, 489, 101-109.	3.1	73
705	Silicon-based optical links using novel direct detection, coherent detection and dual polarization methods for new generation transport architectures. Optics Communications, 2019, 450, 48-60.	1.0	11
706	Planar optical waveguide for refractive index determining with high sensitivity and dual-band characteristic for Nano-sensor application. Optical and Quantum Electronics, 2019, 51, 1.	1.5	20
707	Developing near-infrared quantum-dot light-emitting diodes to mimic synaptic plasticity. Science China Materials, 2019, 62, 1470-1478.	3.5	31
708	Magnetic Nanoparticles Functionalized Few-Mode-Fiber-Based Plasmonic Vector Magnetometer. Nanomaterials, 2019, 9, 785.	1.9	37
709	Chloride-induced stray current corrosion of Q235A steel and prediction model. Construction and Building Materials, 2019, 219, 164-175.	3.2	30
710	Non-Linear Phase Noise Mitigation Over Systems Using Constellation Shaping. Journal of Lightwave Technology, 2019, 37, 3475-3482.	2.7	24
711	Fe ₃ O ₄ nanoparticles as a saturable absorber for giant chirped pulse generation. Beilstein Journal of Nanotechnology, 2019, 10, 1065-1072.	1.5	18

#	ARTICLE	IF	CITATIONS
712	A Perspective on Terahertz Next-Generation Wireless Communications. <i>Technologies</i> , 2019, 7, 43.	3.0	90
713	Enhanced Ultra-Sensitive Metamaterial Resonance Sensor based on Double Corrugated Metal stripe for Terahertz Sensing. <i>Scientific Reports</i> , 2019, 9, 7516.	1.6	31
714	Experimental investigations on multi-kilowatt all-fiber distributed side-pumped oscillators. <i>Laser Physics</i> , 2019, 29, 075103.	0.6	7
715	Highly sensitive open-channels based plasmonic biosensor in visible to near-infrared wavelength. <i>Results in Physics</i> , 2019, 13, 102328.	2.0	68
716	Photonic-Assisted Scanning Receivers for Microwave Frequency Measurement. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 328.	1.3	10
717	Stable radio-frequency dissemination system of single wavelength with passive compensation and remote reconstruction. <i>Optics Communications</i> , 2019, 445, 161-164.	1.0	8
718	Certain Investigation on Visible Light Communication with OFDM Modulated White LED Using Optisystem Simulation. <i>Wireless Personal Communications</i> , 2019, 109, 1377-1394.	1.8	19
719	A Comprehensive Survey of Visible Light Communication: Potential and Challenges. <i>Wireless Personal Communications</i> , 2019, 109, 1357-1375.	1.8	23
720	Design and application research of the multi-longitudinal mode laser self-mixing vibration measurement system. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 144, 381-387.	2.5	5
721	Generation of Switchable Singular Beams with Dynamic Metasurfaces. <i>ACS Nano</i> , 2019, 13, 7100-7106.	7.3	58
722	Communicating Using Spatial Mode Multiplexing: Potentials, Challenges, and Perspectives. <i>IEEE Communications Surveys and Tutorials</i> , 2019, 21, 3175-3203.	24.8	154
723	Compact Magnetic Field Sensor Based on a Magnetic-Fluid-Integrated Fiber Interferometer. <i>IEEE Magnetics Letters</i> , 2019, 10, 1-5.	0.6	16
724	Interference analysis and MUI-cancellation in DCO-OFDMA-based IM/DD systems for VLC. <i>Optics Communications</i> , 2019, 448, 130-146.	1.0	1
725	Transport and storage dynamics of 30% In-rich InGaN/GaN MQW LED p-n structure. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 345302.	1.3	2
726	Visible Light Communication System Based on Software Defined Radio: Performance Study of Intelligent Transportation and Indoor Applications. <i>Electronics (Switzerland)</i> , 2019, 8, 433.	1.8	39
727	Efficient Recognition of the Propagated Orbital Angular Momentum Modes in Turbulences With the Convolutional Neural Network. <i>IEEE Photonics Journal</i> , 2019, 11, 1-14.	1.0	54
728	Numerical investigation of an electro-optic majority voting circuit utilizing graphene-silicon nitride waveguides. <i>Optik</i> , 2019, 186, 205-211.	1.4	6
729	Spaced color shift keying modulation for camera-based visible light communication system using rolling shutter effect. <i>Optics Communications</i> , 2019, 449, 19-23.	1.0	3

#	ARTICLE	IF	CITATIONS
730	Embedded parabolic fiber lens for efficient fiber-to-waveguide coupling fabricated by focused ion beam. JPhys Photonics, 2019, 1, 025004.	2.2	8
731	Clinical Brain Monitoring with Time Domain NIRS: A Review and Future Perspectives. Applied Sciences (Switzerland), 2019, 9, 1612.	1.3	77
732	Beam Propagation Factor of a Cosh-Airy Beam. Applied Sciences (Switzerland), 2019, 9, 1817.	1.3	20
733	Automatic Initialization Methods for Photonic Components on a Silicon-Based Optical Switch. Applied Sciences (Switzerland), 2019, 9, 1843.	1.3	8
734	Design and Implementation of a Multi-Colour Visible Light Communication System Based on a Light-to-Frequency Receiver. Photonics, 2019, 6, 42.	0.9	3
735	Foveated ghost imaging based on deep learning. Optics Communications, 2019, 448, 69-75.	1.0	23
736	Microstructure optical fiber based plasmonic refractive index sensor. Sensing and Bio-Sensing Research, 2019, 24, 100286.	2.2	42
737	Simple frequency-tunable optoelectronic oscillator using integrated multi-section distributed feedback semiconductor laser. Optics Express, 2019, 27, 7036.	1.7	25
738	Self-mixing interference displacement measurement under very weak feedback regime based on integral reconstruction method. Optics Communications, 2019, 445, 236-240.	1.0	9
739	Frequency and Pattern Reconfigurable Antenna for Emerging Wireless Communication Systems. Electronics (Switzerland), 2019, 8, 407.	1.8	52
740	Compact electro-optical programmable logic device based on graphene-silicon switches. Photonic Network Communications, 2019, 38, 219-230.	1.4	5
741	Distortion compensation with clustering algorithm in a MISO VLC system. Optics Communications, 2019, 443, 250-254.	1.0	4
742	Foundry-Enabled Scalable All-to-All Optical Interconnects Using Silicon Nitride Arrayed Waveguide Router Interposers and Silicon Photonic Transceivers. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-9.	1.9	20
743	Improved Visible Light-Based Indoor Positioning System Using Machine Learning Classification and Regression. Applied Sciences (Switzerland), 2019, 9, 1048.	1.3	36
744	High Precision Indoor Visible Light Positioning Algorithm Based on Double LEDs Using CMOS Image Sensor. Applied Sciences (Switzerland), 2019, 9, 1238.	1.3	21
745	Development of an Over-Temperature Supervising System of Switch Cabinet Based on Gas Sensing Technology. International Journal of Emerging Electric Power Systems, 2019, 20, .	0.6	1
746	An Efficient 4-kW Level Random Fiber Laser Based on a Tandem-Pumping Scheme. IEEE Photonics Technology Letters, 2019, 31, 817-820.	1.3	20
747	Towards Portable Nanophotonic Sensors. Sensors, 2019, 19, 1715.	2.1	15

#	ARTICLE	IF	CITATIONS
748	Energy-per-bit performance analysis of relay-based visible-light communication systems. <i>Physical Communication</i> , 2019, 35, 100699.	1.2	3
749	Multiwavelength Q-switched erbium-doped fibre laser-based aluminum nanoparticles saturable absorber and sagnac loop filter. <i>Laser Physics</i> , 2019, 29, 065103.	0.6	16
750	Polygonal Maxwell's fisheye lens via transformation optics as multimode waveguide crossing. <i>Journal of Optics (United Kingdom)</i> , 2019, 21, 065102.	1.0	28
751	The Detection and Recognition of RGB-LED-ID Based on Visible Light Communication using Convolutional Neural Network. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1400.	1.3	16
752	Latest Achievements in Polymer Optical Fiber Gratings: Fabrication and Applications. <i>Photonics</i> , 2019, 6, 36.	0.9	29
753	Partial relay selection in mixed RF/FSO dual-hop system over unified M-distributed fading channel with non-zero boresight pointing errors. <i>Optical and Quantum Electronics</i> , 2019, 51, 1.	1.5	3
754	Temporal analysis of Airy beam propagation in photorefractive media. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019, 76, 45-50.	1.7	7
755	Recent advances in nanomaterial-enabled acoustic devices for audible sound generation and detection. <i>Nanoscale</i> , 2019, 11, 5839-5860.	2.8	38
756	Skew symmetric structure for ultra-broadband electromagnetic absorbing. <i>Journal of Physics Communications</i> , 2019, 3, 045003.	0.5	1
757	A novel approach to enhance performance efficiency of AlGaIn/InGaIn based MQW LED in UV-region. , 2019, , .		1
758	Dual-Parameter Optical Fiber Sensor for Temperature and Pressure Discrimination Featuring Cascaded Tapered-FBG and Ball-EFPI. <i>IEEE Sensors Journal</i> , 2019, 19, 5645-5652.	2.4	23
759	Hiding Messages Based on DNA Sequence and Recombinant DNA Technique. <i>IEEE Nanotechnology Magazine</i> , 2019, 18, 299-307.	1.1	20
760	Two-Way Mixed RF/FSO Relaying System in the Presence of Co-channel Interference. <i>IEEE Photonics Journal</i> , 2019, 11, 1-16.	1.0	7
761	Novel Photovoltaic Micro Crack Detection Technique. <i>IEEE Transactions on Device and Materials Reliability</i> , 2019, 19, 304-312.	1.5	18
762	Tight focusing induced non-uniform polarization change in reflection for arbitrarily polarized incident light. <i>Optics Communications</i> , 2019, 443, 26-33.	1.0	1
763	Automatic Tissue Image Segmentation Based on Image Processing and Deep Learning. <i>Journal of Healthcare Engineering</i> , 2019, 2019, 1-10.	1.1	21
764	Adaptation to the LEDs flicker requirement in visible light communication systems through CE-OFDM signals. <i>Optics Communications</i> , 2019, 441, 14-20.	1.0	17
765	A novel proposal for all optical 1-bit comparator using nonlinear PhCRRs. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2019, 34, 19-23.	1.0	66

#	ARTICLE	IF	CITATIONS
766	All-optical signal processing technologies in flexible optical networks. Photonic Network Communications, 2019, 38, 14-36.	1.4	44
767	Passively mode-locked dual-wavelength Er-doped fiber laser based on antimony tin oxide as saturable absorber. Laser Physics, 2019, 29, 045801.	0.6	7
768	Aluminum nanoparticles saturable absorber as a passive Q-switcher for erbium-doped fiber laser ring cavity configuration. Laser Physics, 2019, 29, 045102.	0.6	20
769	HIES: Cases for hydrogen energy and I-Energy. International Journal of Hydrogen Energy, 2019, 44, 29785-29804.	3.8	6
770	Bending diameter dependence of mode instabilities in multimode fiber amplifier. Laser Physics Letters, 2019, 16, 035104.	0.6	20
771	Performance Improvement of Refractometric Sensors Through Hybrid Plasmonic Fano Resonances. Journal of Lightwave Technology, 2019, 37, 2905-2913.	2.7	34
772	Generation of Continuously Variable-Mode Vortex Electromagnetic Waves With Three-Dimensional Helical Antenna. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1091-1095.	2.4	35
773	Recent advances in physical reservoir computing: A review. Neural Networks, 2019, 115, 100-123.	3.3	951
774	Single longitudinal mode external cavity blue InGaN diode laser. Optics and Laser Technology, 2019, 116, 68-71.	2.2	15
775	Packaged Multi-Core Fiber Interferometer for High-Temperature Sensing. Journal of Lightwave Technology, 2019, 37, 2328-2334.	2.7	29
776	Investigation of resonant mode sensitivity in PhC based ring resonators. Optical and Quantum Electronics, 2019, 51, 1.	1.5	17
777	High-efficiency sorting and measurement of orbital angular momentum modes based on the Marchand-Zehnder interferometer and complex phase gratings. Measurement Science and Technology, 2019, 30, 075201.	1.4	7
778	Recent Progress on Graphene-Functionalized Metasurfaces for Tunable Phase and Polarization Control. Nanomaterials, 2019, 9, 398.	1.9	55
779	An Inner- and Outer-Fed Dual-Arm Archimedean Spiral Antenna for Generating Multiple Orbital Angular Momentum Modes. Electronics (Switzerland), 2019, 8, 251.	1.8	19
780	Wavelet Deep Neural Network for Stripe Noise Removal. IEEE Access, 2019, 7, 44544-44554.	2.6	67
781	High-speed ultra-compact all-optical NOT and AND logic gates designed by a multi-objective particle swarm optimized method. Optics and Laser Technology, 2019, 116, 322-327.	2.2	20
782	Mode Suppression in Injection Locked Multi-Mode and Single-Mode Lasers for Optical Demultiplexing. Photonics, 2019, 6, 27.	0.9	9
783	Nonlinear dynamics model for social popularity prediction based on multivariate chaotic time series. Physica A: Statistical Mechanics and Its Applications, 2019, 525, 1259-1275.	1.2	6

#	ARTICLE	IF	CITATIONS
784	Memory-controlled deep LSTM neural network post-equalizer used in high-speed PAM VLC system. Optics Express, 2019, 27, 7822.	1.7	71
785	Adaptive Polling Medium Access Control Protocol for Optic Wireless Networks. Applied Sciences (Switzerland), 2019, 9, 1071.	1.3	8
786	Security of Visible Light Communication systems—A survey. Physical Communication, 2019, 34, 246-260.	1.2	48
787	A Miniature Fabry Perot Sensor for Twist/Rotation, Strain and Temperature Measurements Based on a Four-Core Fiber. Sensors, 2019, 19, 1574.	2.1	9
788	On the performance of a multi-user multi-hop hybrid FSO/RF communication system. Optics Communications, 2019, 444, 172-183.	1.0	12
789	Preparation of vertically aligned two-dimensional SnS ₂ nanosheet film with strong saturable absorption to femtosecond laser. Journal Physics D: Applied Physics, 2019, 52, 165101.	1.3	7
790	A Method of Enhancing Fast Steering Mirror's Ability of Anti-Disturbance Based on Adaptive Robust Control. Mathematical Problems in Engineering, 2019, 2019, 1-9.	0.6	1
791	A robust image encryption algorithm based on Chua's circuit and compressive sensing. Signal Processing, 2019, 161, 227-247.	2.1	108
792	All optical half subtractor using photonic crystal based nonlinear ring resonators. Optical and Quantum Electronics, 2019, 51, 1.	1.5	49
793	Tuning Multiple Fano Resonances for On-Chip Sensors in a Plasmonic System. Sensors, 2019, 19, 1559.	2.1	40
794	Passively Q-switched ytterbium-doped fiber laser with ReSe ₂ saturable absorber. Optics and Laser Technology, 2019, 116, 300-304.	2.2	23
795	Quantum Machine Learning for 6G Communication Networks: State-of-the-Art and Vision for the Future. IEEE Access, 2019, 7, 46317-46350.	2.6	351
796	Optical orbital angular momentum shift-keying communication based on coherent demodulation. Optics Communications, 2019, 452, 405-410.	1.0	6
797	High Sensitive Methane Sensor With Temperature Compensation Based on Selectively Liquid-Infiltrated Photonic Crystal Fibers. Photonic Sensors, 2019, 9, 213-222.	2.5	15
798	On the performance of cognitive underlay RF/FSO communication systems with limited feedback. Optics Communications, 2019, 444, 87-92.	1.0	11
799	Surface plasmon resonance photonic crystal fiber biosensor based on gold-graphene layers. Optical Fiber Technology, 2019, 50, 206-211.	1.4	49
800	Analytical and Experimental Performance Evaluation of Antenna Misalignment in Ka-band Wireless Links. Mobile Networks and Applications, 2019, 24, 564-577.	2.2	0
801	Emergence of Flexible White Organic Light-Emitting Diodes. Polymers, 2019, 11, 384.	2.0	42

#	ARTICLE	IF	CITATIONS
802	28-GHz RoF Link Employing Optical Remote Heterodyne Techniques with Kramers-Kronig Receiver. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 347-352.	0.2	0
803	Step impedance resonator-based tunable perfect metamaterial absorber with polarization insensitivity for solar cell applications. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21650.	0.8	4
804	Two-level encryption for physical-layer security in OFDM-PON based on multi-scrolls system. Optics Communications, 2019, 440, 126-131.	1.0	11
805	A novel PTS: grey wolf optimizer-based PAPR reduction technique in OFDM scheme for high-speed wireless applications. Soft Computing, 2019, 23, 2701-2712.	2.1	19
806	QR code-based ECG signal encryption/decryption algorithm. Cryptologia, 2019, 43, 233-253.	0.4	13
807	QAM modulation with single DDMZM based on direct-detection and Kramers-Kronig scheme in long reach PON. Optical Fiber Technology, 2019, 48, 289-296.	1.4	2
808	Trace optimality of SIC POVMs. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 115203.	0.7	1
809	Enhanced vortex beams resistance to turbulence with polarization modulation. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 227, 219-225.	1.1	11
810	Fingerprint-Based Indoor Positioning System Using Visible Light Communication—A Novel Method for Multipath Reflections. Electronics (Switzerland), 2019, 8, 63.	1.8	37
811	Gate-Tunable Plasmon-Induced Transparency Modulator Based on Stub-Resonator Waveguide with Epsilon-Near-Zero Materials. Scientific Reports, 2019, 9, 2789.	1.6	21
812	Stable VCSEL mode discrimination realized by a ring-shaped dielectric relief. Optik, 2019, 183, 131-136.	1.4	5
813	Performance investigation of UWOC system with multiuser diversity scheduling schemes in oceanic turbulence channels. Optics Communications, 2019, 441, 138-148.	1.0	13
814	Research on Customer Marketing Acceptance for Future Automatic Driving—A Case Study in China City. IEEE Access, 2019, 7, 20938-20949.	2.6	11
815	A novel project-and-forward relay-assisted mixed RF-FSO system design and its performance evaluation. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3584.	2.6	3
816	Classically Entangled Light. Progress in Optics, 2019, 64, 99-153.	0.4	52
817	Analysis of giant circular dichroism metamaterial based on conductive coupling. Optik, 2019, 182, 1046-1052.	1.4	3
818	A satellite communication system transmission scheme based on probabilistic shaping. China Communications, 2019, 16, 226-233.	2.0	0
819	Uplink OFDM Based NOMA Plagued with Carrier Frequency Offset Errors. , 2019, , .		4

#	ARTICLE	IF	CITATIONS
820	Adjustment of Radiation Pattern of Street Luminaire. , 2019, , .		1
821	Limits of the OFDM use in the radio mobile context. International Journal of Communication Networks and Distributed Systems, 2019, 23, 275.	0.3	0
822	Increasing achievable information rates with pilot-based DSP in standard intradyne detection. , 2019, , .		12
823	Kerr frequency comb assisted supercontinuum generation in nonlinear waveguide. , 2019, , .		0
824	2D-Constellation-Assisted CSK transmission over OCC system under low-level illuminance. , 2019, , .		2
826	Hybrid Super-Nyquist CAP Modulation based VLC with Low Bandwidth Polymer LEDs. , 2019, , .		3
827	137 Gb/s PAM-4 Transmissions at 850 nm over 40 cm Optical Backplane with 25 G Devices with Improved Neural Network-Based Equalization. Applied Sciences (Switzerland), 2019, 9, 5095.	1.3	7
828	Enhance the Excitation Efficiency of Spoof Surface Plasmons through Fabry-Pérot Resonance. , 2019, , .		0
829	A Novel Hybrid FSO/mmWave/RF System Design and Analysis for Next Generation Wireless Communication. , 2019, , .		4
830	A silicon microwave photonic down-converter. , 2019, , .		4
831	Broadband Graphene Based Reflective Cross Polarization Converter Metasurface Design with Unity Efficiency in the Lower Terahertz Gap. , 2019, , .		0
832	Characteristics of RoF Millimeter-wave Generation for 5G System. , 2019, , .		2
833	An S-bend Based Optical Power Splitter Using GaN/Al ₂ O ₃ . , 2019, , .		0
834	LDPC Coded OFDM OW Communication System with Coherent Optical Receiver and RF Synchronous Demodulation under Turbulent Condition. , 2019, , .		1
835	Li-Fi for Augmented Reality Glasses: A Proof of Concept. , 2019, , .		1
836	Performance analysis of mixed RF/FSO system with CCI. IET Communications, 2019, 13, 2199-2206.	1.5	2
837	Experimental testbed for VLC-based localization framework in 5G Internet of Radio Light. , 2019, , .		8
838	Review of Translucent Elastic Optical Networks Under Dynamic Traffic: Enabling Devices, Design Strategies and Operational Strategies. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
839	Performance evaluation of a novel relay-assisted hybrid FSO/RF communication system with receive diversity. IET Optoelectronics, 2019, 13, 203-214.	1.8	9
840	Physiological Characteristics and Nonparametric Test for Master-Slave Driving Task's Mental Workload Evaluation in Mountain Area Highway at Night. Journal of Advanced Transportation, 2019, 1-11.	0.9	2
841	Performance of LED Overlap in Visible Light Communication System. , 2019, , .		2
842	Spectrum and Routing Allocation Method for Elastic Optical Networks Based on Posterior Blocking Probability Measurement. , 2019, , .		0
843	Mode-Division Multiplexer with Contra-directional Couplers. , 2019, , .		0
844	Run-Length Limited Decoding for Visible Light Communications: A Deep Learning Approach. , 2019, , .		0
845	Optics-Radio Hybrid Single Frequency Network for Digital Television Terrestrial Broadcasting. , 2019, , .		0
846	Efficient Optoelectronics with 2D Materials. , 2019, , .		0
847	Quasi-coherent Detection Technology for OFDM-DAPAK Based on Low-dimensional Kalman Filter. , 2019, , .		0
848	Two-Dimensional Electronically Controlled Scanning Phased Array Antenna Based on Liquid Crystal Material. , 2019, , .		1
849	Performance Analysis of Defused VLC Channel for Mobile Environment. , 2019, , .		1
850	A Novel 3D Visible Light Positioning Method Using Received Signal Strength for Industrial Applications. Electronics (Switzerland), 2019, 8, 1311.	1.8	15
851	Design and Implementation of a Monitoring System using Optical Camera Communication for a Smart Factory. Applied Sciences (Switzerland), 2019, 9, 5103.	1.3	6
852	Optical camera communication (OCC) applications for Internet of Vehicle (IoV). , 2019, , .		2
853	An S-bend based Optical Directional Coupler Using GaN Semiconductor. , 2019, , .		1
854	An Adaptive Fuzzy Cerebellar Model Articulation Controller for Synchronization of Chaotic Systems. , 2019, , .		0
855	Wearable SiPM-Based NIRS Interface Integrated With Pulsed Laser Source. IEEE Transactions on Biomedical Circuits and Systems, 2019, 13, 1313-1323.	2.7	9
856	Research into a Multi-Variate Surveillance Data Fusion Processing Algorithm. Sensors, 2019, 19, 4975.	2.1	3

#	ARTICLE	IF	CITATIONS
857	Chaotic Pilot and Synchronization Encryption of Optical OFDM System Based on Polar Code. , 2019, , .		0
858	Fiber-Optic Auditory Nerve of Ground in the Suburb: For Traffic Flow Monitoring. IEEE Access, 2019, 7, 166704-166710.	2.6	3
859	High Performance Polarization Beam Splitter Based on Cascaded Directional Couplers Assisted by Effectively Anisotropic Structures. IEEE Photonics Journal, 2019, 11, 1-9.	1.0	5
860	Crosstalk-and Latency-Aware Wavelength Assignment Method for WDM-based Optical Network-on-Chip. , 2019, , .		1
861	Multipoint temperature sensor based on PDMS-filled Fabry Perot interferometer with an Array-Waveguide Grating. , 2019, , .		1
862	Simultaneous measurement of temperature and pressure based on Fabry Perot and Antiresonant mechanisms. , 2019, , .		0
863	Irregular Shifting of RF Driving Signal Phase to Overcome Dispersion Power Fading. Photonics, 2019, 6, 104.	0.9	4
864	Ad Hoc Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , .	0.2	0
865	Performance Analysis of Polar Coded OFDM with Different Frequency Offsets and Code Rates. , 2019, , .		0
866	Performance evaluation and comparison of spatial modulation and non-DC MIMO m-SCAP techniques in indoor VLC system. IET Optoelectronics, 2019, 13, 281-287.	1.8	5
867	Beyond solid-state lighting: Miniaturization, hybrid integration, and applications of GaN nano- and micro-LEDs. Applied Physics Reviews, 2019, 6, .	5.5	194
868	High-accuracy and video-rate lifetime extraction from time correlated single photon counting data on a graphical processing unit. Review of Scientific Instruments, 2019, 90, .	0.6	5
869	A Comparison between off and On-Chip Injection Locking in a Photonic Integrated Circuit. Photonics, 2019, 6, 103.	0.9	6
870	Design and Analysis of Wideband Non-Transparent and Optically Transparent Microwave Metamaterial Absorbers. , 2019, , .		0
871	A novel kind of pulsating soliton in mode-locked fiber lasers. , 2019, , .		0
872	Integrated Wearable Indoor Positioning System Based On Visible Light Positioning And Inertial Navigation Using Unscented Kalman Filter. , 2019, , .		5
873	Nanoscale plasmonic TM-pass polarizer integrated on silicon photonics. Nanoscale, 2019, 11, 20685-20692.	2.8	28
874	Enhanced Sensitivity of Surface Plasmon Resonance Biosensor Functionalized with Doped Polyaniline Composites for the Detection of Low-Concentration Acetone Vapour. Journal of Sensors, 2019, 2019, 1-13.	0.6	24

#	ARTICLE	IF	CITATIONS
875	Improving the Performance of 2-To-4 Optical Decoders Based on Photonic Crystal Structures. Crystals, 2019, 9, 635.	1.0	37
876	ACO-OFDM Transmission over Underwater Pipeline for VLC-based Systems. , 2019, , .		6
878	Silicon Photonic Microdisk Sensor Based on Microwave Photonic Filtering Technique. , 2019, , .		7
879	Design of single-polarization single-mode photonic crystal fiber filter with four small holes near the core based on second-order and third-order surface plasmon polariton modes. Applied Physics B: Lasers and Optics, 2019, 125, 1.	1.1	7
880	Low-Intensity UV light sensor based on p-NiO/n-Si heterojunction. Materials Research Express, 2019, 6, 126332.	0.8	13
881	Resonant Tunneling Diode (RTD) Terahertz Active Transmission Line Oscillator with Graphene-Plasma Wave and Two Graphene Antennas. Electronics (Switzerland), 2019, 8, 1164.	1.8	16
882	Identification of hybrid orbital angular momentum modes with deep feedforward neural network. Results in Physics, 2019, 15, 102790.	2.0	16
883	Tunable mid-infrared dual-band and broadband cross-polarization converters based on U-shaped graphene metamaterials. Optics Express, 2019, 27, 33826.	1.7	45
884	A multichannel metallic dual nano-wall square split-ring resonator: design analysis and applications. Laser Physics Letters, 2019, 16, 126201.	0.6	32
885	An Efficient 4-kW Level Random Fiber Laser Based on Tandem-Pumping Scheme. , 2019, , .		1
886	Coupled-Resonator-Induced-Transparency on Germanium-on-Insulator Mid-Infrared Platform. , 2019, , .		0
887	Supercontinuum generation from PCF directly pumped by DSR laser with kW-level peak power. , 2019, , .		0
888	Ring Topologies with Energy Efficient Scheduling of ONUs in TWDM PON. , 2019, , .		2
889	Analysis of Free Space Optical DPSK-SIM Based Communication System over MÄlaga Distributed Channel with Misalignment Fading. , 2019, , .		2
890	An Intelligent Vehicle Control System for Enhancing Road Safety Using Optimal Visible Light Communication Network. Journal of Optical Communications, 2023, 44, 81-94.	4.0	1
891	Up-down Taper Based In-Fiber Mach-Zehnder Interferometer for Liquid Refractive Index Sensing. Sensors, 2019, 19, 5440.	2.1	15
892	Security Analysis for Mixed RF-FSO system in the presence of a RF - Eavesdropper. , 2019, , .		1
893	Experimental Demonstration of Electromagnetically Induced Transparency in a Conductively Coupled Flexible Metamaterial with Cheap Aluminum Foil. Nanoscale Research Letters, 2019, 14, 359.	3.1	12

#	ARTICLE	IF	CITATIONS
894	Silicon photonic spiral shape resonator applied to the optoelectronic oscillator. IET Optoelectronics, 2019, 13, 303-307.	1.8	3
895	On Performance Analysis and Code Design for Visible Light Communication. , 2019, , .		2
896	Indoor Positioning System Based on LED lighting and PSD Sensor. , 2019, , .		9
897	Broadband Laser Doppler Frequency Shift Emulator for Satellite Laser Communication. IEEE Photonics Journal, 2019, 11, 1-12.	1.0	7
898	Fabric Patterns Recognition Based on Weft Phase Difference. , 2019, , .		3
899	Temperature-Independent Gas Pressure Sensor with High Birefringence Photonic Crystal Fiber-Based Reflective Lyot Filter. Sensors, 2019, 19, 5312.	2.1	11
900	Designing a Water-Immersed Rectangular Horn Antenna for Generating Underwater OAM Waves. Electronics (Switzerland), 2019, 8, 1224.	1.8	6
901	Estimation of the Polar Angle in a 3D Infrared Indoor Positioning System based on a QADA receiver. , 2019, , .		13
902	Compensation of Laser Phase Noise Based on Polar-Coordinates Decision. , 2019, , .		1
903	Continuously Tunable Fano Resonance Filter in a Fiber Taper Coupled Conical Microcavity. , 2019, , .		0
904	An All Optical OR Gate Using BPSK Technique Inside 2D Photonic Crystals. Journal of Optical Communications, 2023, 44, 299-303.	4.0	0
905	50 Gb/s Optical Transmission System Based on 12GHz Receiver Assisted with Adaptive Equalization and LDPC Coding. , 2019, , .		1
906	Multimedia Data Security. Springer Briefs in Electrical and Computer Engineering, 2019, , 15-62.	0.3	0
907	Surface Plasmon Resonance on the V-Type Microstructured Optical Fiber Embedded with Dual Copper Wires. Plasmonics, 2019, 14, 383-387.	1.8	9
908	Optical and photocatalytic properties of rare earth metal-modified ZnO quantum dots. Applied Surface Science, 2019, 464, 651-663.	3.1	64
909	Fabrication of Nd:YAG transparent ceramics using powders synthesized by citrate sol-gel method. Journal of Alloys and Compounds, 2019, 772, 751-759.	2.8	33
910	Accurate WiFi Localization by Unsupervised Fusion of Extended Candidate Location Set. IEEE Internet of Things Journal, 2019, 6, 2476-2485.	5.5	38
911	Secure Compressive Sensing in Multimedia Data, Cloud Computing and IoT. Springer Briefs in Electrical and Computer Engineering, 2019, , .	0.3	5

#	ARTICLE	IF	CITATIONS
912	Compressive Sensing. Springer Briefs in Electrical and Computer Engineering, 2019, , 1-9.	0.3	1
913	Implementation of a VLC-based indoor localization system. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3498.	2.6	4
914	A Compact Reconfigurable Antenna With Wide Tunable Frequency and 360° Beam Scanning. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 4-8.	2.4	16
916	Ultrafast Laser Pulses Generation by Using 2D Layered PtS ₂ as a Saturable Absorber. Journal of Lightwave Technology, 2019, 37, 1174-1179.	2.7	41
917	A higher-order perturbation analysis of the nonlinear Schrödinger equation. Communications in Nonlinear Science and Numerical Simulation, 2019, 72, 152-161.	1.7	1
918	High-Speed Visible Light Communication Based on a III-Nitride Series-Biased Micro-LED Array. Journal of Lightwave Technology, 2019, 37, 1180-1186.	2.7	53
919	Joint user and relay selection for relay-aided RF/FSO systems over Exponentiated Weibull fading channels. Optics Communications, 2019, 436, 209-215.	1.0	10
920	Impact of trap states on inductive phenomena in 30% InGaN/GaN MQW LED devices. Journal Physics D: Applied Physics, 2019, 52, 105102.	1.3	4
921	FPN estimation based nonuniformity correction for infrared imaging system. Infrared Physics and Technology, 2019, 96, 22-29.	1.3	18
922	Distance-Oriented Cuckoo Search enabled optimal histogram for underwater image enhancement: a novel quality metric analysis. Imaging Science Journal, 2019, 67, 76-89.	0.2	10
923	Mixture-Kernel Based Post-Distortion in RKHS for Time-Varying VLC Channels. IEEE Transactions on Vehicular Technology, 2019, 68, 1564-1577.	3.9	35
924	High-density Orbital Angular Momentum mode analyzer based on the mode converters combining with the modified Mach-Zehnder interferometer. Optics Communications, 2019, 435, 441-448.	1.0	18
925	Photonic approach to dual-band dual-chirp microwave waveform generation with multiplying central frequency and bandwidth. Optics Communications, 2019, 437, 17-26.	1.0	40
926	Visible light-based indoor localization using <i>k</i> -means clustering and linear regression. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3480.	2.6	14
927	Underwater optical wireless sensor networks using resource allocation. Telecommunication Systems, 2019, 71, 529-539.	1.6	3
928	Comparative analysis of capacity oriented Integrated AMI modulation technique for the deployment of radio over fiber system. International Journal of Information Technology (Singapore), 2022, 14, 693-702.	1.8	2
929	Broadband generation of the first-order OAM modes in two-mode fiber by offset splicing and fiber rotating technology. Optics and Laser Technology, 2019, 112, 436-441.	2.2	12
930	Fano-like resonance in large-area magnetic metamaterials fabricated by the nanoimprint technique. Applied Physics Express, 2019, 12, 025008.	1.1	2

#	ARTICLE	IF	CITATIONS
931	Microwave Photonic Signal Processing and Sensing Based on Optical Filtering. Applied Sciences (Switzerland), 2019, 9, 163.	1.3	14
932	Label-free surface-enhanced Raman spectroscopy of serum based on multivariate statistical analysis for the diagnosis and staging of lung adenocarcinoma. Vibrational Spectroscopy, 2019, 100, 177-184.	1.2	25
933	Experimental study of SRS threshold dependence on the bandwidths of fiber Bragg gratings in co-pumped and counter-pumped fiber laser oscillator. Journal of Optics (United Kingdom), 2019, 21, 025801.	1.0	8
934	Improved Smartphone-Based Indoor Pedestrian Dead Reckoning Assisted by Visible Light Positioning. IEEE Sensors Journal, 2019, 19, 2902-2908.	2.4	17
935	Dual-band unidirectional reflectionlessness at exceptional points in a plasmonic waveguide system based on near-field coupling between two resonators. Nanotechnology, 2019, 30, 045205.	1.3	8
936	Measurement of the free spectral range of the laser cavity based on multi-longitudinal mode laser self-mixing vibrator. Measurement: Journal of the International Measurement Confederation, 2019, 135, 467-472.	2.5	10
937	Space-Frequency Joint Contention Scheduling Algorithm based on AoD in SDM-EONs. Optical Fiber Technology, 2019, 47, 93-101.	1.4	5
938	Porous Silicon-Based Photonic Biosensors: Current Status and Emerging Applications. Analytical Chemistry, 2019, 91, 441-467.	3.2	141
939	Silicon Photonic Switch Fabrics: Technology and Architecture. Journal of Lightwave Technology, 2019, 37, 6-20.	2.7	67
940	Multi-Class Coded Layered Asymmetrically Clipped Optical OFDM. IEEE Transactions on Communications, 2019, 67, 578-589.	4.9	21
941	Study of indium and antimony incorporation into SnS ₂ single crystals. Journal of Crystal Growth, 2019, 507, 180-188.	0.7	14
942	Optical and Electrical Characterization of Pure PMMA for Terahertz Wide-band Metamaterial Absorbers. Journal of Infrared, Millimeter, and Terahertz Waves, 2019, 40, 80-91.	1.2	18
943	Wideband tunable mid-infrared cross-polarisation converter using monolayered graphene-based metasurface over a wide angle of incidence. IET Microwaves, Antennas and Propagation, 2019, 13, 82-87.	0.7	32
944	Propagation Controlled Photonic Crystal Fiber-Based Plasmonic Sensor <italic>via</italic> Scaled-Down Approach. IEEE Sensors Journal, 2019, 19, 962-969.	2.4	53
945	Wavelength-selective 4H-SiC UV-sensor array. Materials Science in Semiconductor Processing, 2019, 90, 205-211.	1.9	10
946	Outage and error analysis of three hop hybrid VLC/FSO/VLC-based relayed optical wireless communication system. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3544.	2.6	10
947	Passively Q-switched laser based on Nd:YAG/YAG Polygonal Active Mirror with timing jitter improvement. Optics Communications, 2019, 435, 81-87.	1.0	1
948	Performance comparison of combining algorithms for polarization-diversity receiving in phase-sensitive OTDR. Optics Communications, 2019, 435, 140-144.	1.0	5

#	ARTICLE	IF	CITATIONS
949	Q-switching and mode locking pulse generation from an all-fiber ring laser by intermodal acousto-optic bandpass modulation. <i>Laser Physics</i> , 2019, 29, 015101.	0.6	3
950	Unified Statistical Channel Model for Turbulence-Induced Fading in Underwater Wireless Optical Communication Systems. <i>IEEE Transactions on Communications</i> , 2019, 67, 2893-2907.	4.9	158
951	Generation of harmonic mode-locking of bound solitons in the ultrafast fiber laser with Sb_2Te_3 saturable absorber on microfiber. <i>Laser Physics Letters</i> , 2019, 16, 025103.	0.6	29
952	DIMLOC: Enabling High-Precision Visible Light Localization Under Dimmable LEDs in Smart Buildings. <i>IEEE Internet of Things Journal</i> , 2019, 6, 3912-3924.	5.5	25
953	Flexible Filtering Element on SOI With Wide Bandwidth Tunability and Full FSR tuning. <i>Journal of Lightwave Technology</i> , 2019, 37, 300-306.	2.7	14
954	Polarization Jones Vector Distance Statistics-Based Full-Duplex Primary Signal Extraction for Cognitive Radios. <i>IEEE Transactions on Communications</i> , 2019, 67, 2689-2701.	4.9	10
955	Underwater polarimetric imaging for visibility enhancement utilizing active unpolarized illumination. <i>Optics Communications</i> , 2019, 438, 96-101.	1.0	31
956	Optical Boundaries for LED-Based Indoor Positioning System. <i>Computation</i> , 2019, 7, 7.	1.0	6
957	Selenide Molybdenum as saturable absorber for passively Q-switched Nd-doped bulk laser at $1\frac{1}{4}\mu\text{m}$. <i>Optik</i> , 2019, 182, 19-22.	1.4	0
958	Error rate and ergodic capacity of RF-FSO system with partial relay selection in the presence of pointing errors. <i>Optics Communications</i> , 2019, 438, 118-125.	1.0	9
959	Concurrent illumination and communication: A survey on Visible Light Communication. <i>Physical Communication</i> , 2019, 33, 90-114.	1.2	30
960	Optimization of a supercontinuum source based on tapered ordinary fibers. <i>Laser Physics</i> , 2019, 29, 025103.	0.6	2
961	Spectral efficiency improvement with SISO and SIMO in M -QAM over millimeter-wave links. <i>International Journal of Communication Systems</i> , 2019, 32, e3902.	1.6	1
962	Hybrid TDOA/RSS based localization for visible light systems. , 2019, 86, 19-28.		31
963	Ga_2O_3 photodetector arrays for solar-blind imaging. <i>Journal of Materials Chemistry C</i> , 2019, 7, 2557-2562.	2.7	97
964	Compressed sensing-enabled phase-sensitive swept-source optical coherence tomography. <i>Optics Express</i> , 2019, 27, 855.	1.7	7
965	Classification Framework for Free Space Optical Communication Links and Systems. <i>IEEE Communications Surveys and Tutorials</i> , 2019, 21, 1346-1382.	24.8	86
966	Probabilistically shaped 64QAM OFDM signal transmission in a heterodyne coherent detection system. <i>Optics Communications</i> , 2019, 434, 175-179.	1.0	12

#	ARTICLE	IF	CITATIONS
967	Joint monitoring of chromatic dispersion, OSNR and inter-channel nonlinearity by LFM pilot. Optics and Laser Technology, 2019, 111, 447-451.	2.2	2
968	Energy-Efficient Service Provisioning in Inter-Data Center Elastic Optical Networks. IEEE Transactions on Green Communications and Networking, 2019, 3, 180-191.	3.5	4
969	Single polarization photonic crystal fiber filter based on surface plasmon resonance. Frontiers of Optoelectronics, 2019, 12, 157-164.	1.9	17
970	Challenges and Solutions in Received Signal Strength-Based Seamless Positioning. , 2019, , 249-285.		0
971	Geomagnetism-Based Indoor Navigation by Offloading Strategy in NB-IoT. IEEE Internet of Things Journal, 2019, 6, 4074-4084.	5.5	21
972	Indoor Positioning System Based on PSD Sensor. , 2019, , 353-370.		4
973	High-sensitivity refractive index sensors based on Fano resonance in the plasmonic system of splitting ring cavity-coupled MIM waveguide with tooth cavity. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	53
974	Unidirectional absorption properties in a defective semiconductor-dielectric asymmetric triadic Cantor photonic crystal. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 108, 135-138.	1.3	9
975	Demonstration of a Hybrid FSO/VLC Link for the Last Mile and Last Meter Networks. IEEE Photonics Journal, 2019, 11, 1-7.	1.0	34
976	Impact of transmission techniques in asymmetric RF/FSO system over Nakagami- m and gamma-gamma fading channels with pointing errors. International Journal of Communication Systems, 2019, 32, e3873.	1.6	5
977	High-capacity encryption system based on single-shot-ptychography encoding and QR code. Optics Communications, 2019, 435, 426-432.	1.0	21
978	Ultrafast Imaging With Optical Encoding and Compressive Sensing. Journal of Lightwave Technology, 2019, 37, 761-768.	2.7	6
979	Hybrid DCO-OFDM, ACO-OFDM and PAM-DMT for dimmable LiFi. Optik, 2019, 180, 939-952.	1.4	14
980	Application of nonlinear PhC-based resonant cavities for realizing all optical Galois Field adder. Optik, 2019, 180, 498-504.	1.4	26
981	Performance analysis of hybrid RF-FSO systems with amplify-and-forward selection relaying. Optics Communications, 2019, 434, 80-90.	1.0	15
982	A visually secure image encryption scheme based on parallel compressive sensing. Signal Processing, 2019, 155, 218-232.	2.1	143
983	Multi-Gbit/s real-time modems for chaotic optical OFDM data encryption and decryption. Optics Communications, 2019, 432, 39-43.	1.0	6
984	Evolution properties of a Gaussian Schell-model Array beam in a uniaxial crystal orthogonal to the optical axis. Optik, 2019, 176, 350-356.	1.4	7

#	ARTICLE	IF	CITATIONS
985	Free-space information transfer using the elliptic vortex beam with fractional topological charge. Optics Communications, 2019, 431, 238-244.	1.0	31
986	Modes coded modulation of vector light beams using spatial phase cross-polarized modulation. Optics Communications, 2019, 432, 59-64.	1.0	5
987	Using Genetic Algorithm for Optimizing 1D Thue-Morse Photonic Crystal-Based Filter. Journal of Optical Communications, 2019, 41, 107-111.	4.0	0
988	LANET: Visible-light ad hoc networks. Ad Hoc Networks, 2019, 84, 107-123.	3.4	30
989	Influence of simulated atmospheric effect combined with modulation formats on FSO systems. Optical Switching and Networking, 2019, 33, 184-193.	1.2	10
990	Vehicular Communications: A Network Layer Perspective. IEEE Transactions on Vehicular Technology, 2019, 68, 1064-1078.	3.9	204
991	Experimental Investigation of Intensity Modulator/Direct Detection (IM/DD) Optical OFDM System with Fiber Bragg Grating (FBG). Journal of Optical Communications, 2020, 41, 257-262.	4.0	1
992	Performance Analysis of Visible Light Communication Based on 16-QAM Companded OFDM Using Laser Diode. Journal of Optical Communications, 2020, 41, 153-158.	4.0	2
993	A Novel Proposal for All-Optical OR/AND Gate Using Nonlinear Photonic Crystal Ring Resonators. Journal of Optical Communications, 2020, 41, 263-267.	4.0	0
994	Generalized Likelihood Block Detection for SPAD-Based Underwater VLC System. IEEE Photonics Journal, 2020, 12, 1-10.	1.0	16
995	Spectral Optimization to Minimize Light Absorbed by Artwork. LEUKOS - Journal of Illuminating Engineering Society of North America, 2020, 16, 45-54.	1.5	24
996	Design of a combined lens for rectangular illumination. Lighting Research and Technology, 2020, 52, 131-140.	1.2	2
997	Machine Learning-Based Channel Analysis for User Concentric Optical Switching Networks. Circuits, Systems, and Signal Processing, 2020, 39, 1178-1194.	1.2	1
998	3D-Holograms in Real Time for Representing Virtual Scenarios. Advances in Intelligent Systems and Computing, 2020, , 284-302.	0.5	0
1000	Compressed Sensing in Imaging and Reconstruction - An Insight Review. Advances in Intelligent Systems and Computing, 2020, , 779-791.	0.5	1
1001	Effects of Core Count and Layout on the Bending-Radius-Dependent Crosstalk Variations in Heterogeneous and Trench-Assisted Heterogeneous Multicore Fiber. Lecture Notes in Electrical Engineering, 2020, , 161-170.	0.3	0
1002	Broadband liquid metamaterial radome design. Waves in Random and Complex Media, 2020, 30, 328-339.	1.6	15
1003	Performance analysis of UFMC waveform in graded index fiber for 5G communications and beyond. Optics Communications, 2020, 454, 124360.	1.0	11

#	ARTICLE	IF	CITATIONS
1004	Estimation of the age of human semen stains by attenuated total reflection Fourier transform infrared spectroscopy: a preliminary study. <i>Forensic Sciences Research</i> , 2020, 5, 119-125.	0.9	25
1005	Temporal pulse broadening due to dispersion and weak turbulence in FSO communications. <i>Optik</i> , 2020, 200, 163327.	1.4	6
1006	Imaging With SPADs and DMDs: Seeing Through Diffraction-Photons. <i>IEEE Transactions on Image Processing</i> , 2020, 29, 1440-1449.	6.0	1
1007	OAM mode recognition based on joint scheme of combining the Gerchberg-Saxton (GS) algorithm and convolutional neural network (CNN). <i>Optics Communications</i> , 2020, 456, 124696.	1.0	40
1008	Hybrid plasmonic graphene modulator with buried silicon waveguide. <i>Optics Communications</i> , 2020, 456, 124559.	1.0	23
1009	Tunable multichannel optical absorber based on coupling effects of optical Tamm states in metal-photonic crystal heterostructure-metal structure. <i>Optics Communications</i> , 2020, 457, 124688.	1.0	19
1010	Noise reduction by Brillouin spectrum reassembly in Brillouin optical time domain sensors. <i>Optics and Lasers in Engineering</i> , 2020, 125, 105865.	2.0	8
1011	Enhancing the performance of optical VLC system based on asymmetric symmetric subcarriers OFDM. <i>International Journal of Communication Systems</i> , 2020, 33, e4226.	1.6	5
1012	Immobilizing reduced graphene oxide on polydopamine-templated PET fabrics for UV protection, electrical conduction and application as wearable sensors. <i>Materials Chemistry and Physics</i> , 2020, 241, 122371.	2.0	23
1013	All-Fiber Laser With Agile Mode-Switching Capability Through Intra-Cavity Conversion. <i>IEEE Photonics Journal</i> , 2020, 12, 1-9.	1.0	6
1014	High Speed LED-to-Camera Communication using Color Shift Keying with Flicker Mitigation. <i>IEEE Transactions on Mobile Computing</i> , 2020, 19, 1603-1617.	3.9	19
1015	Ethanol Detection Through Photonic Crystal Fiber. <i>Algorithms for Intelligent Systems</i> , 2020, , 175-182.	0.5	7
1016	Low-Profile 2-D THz Airy Beam Generator Using the Phase-Only Reflective Metasurface. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 1503-1513.	3.1	29
1017	SmartLoc: Smart Wireless Indoor Localization Empowered by Machine Learning. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 6883-6893.	5.2	29
1018	DAPSK-OFDM-based coherent PON and IFOF heterogeneous access network with PDM. <i>Optics Communications</i> , 2020, 456, 124678.	1.0	3
1019	Design of feedforward master-slave carrier phase recovery in frequency comb-based superchannel coherent transmission systems with nonlinear phase noise. <i>Optics Communications</i> , 2020, 459, 124898.	1.0	2
1020	Broadband radio-over-fiber technologies for next-generation wireless systems. , 2020, , 979-1038.		2
1021	Wireless Communications for the Hospital of the Future: Requirements, Challenges and Solutions. <i>International Journal of Wireless Information Networks</i> , 2020, 27, 4-17.	1.8	39

#	ARTICLE	IF	CITATIONS
1022	Tractable Approach to MmWaves Cellular Analysis With FSO Backhauling Under Feedback Delay and Hardware Limitations. IEEE Transactions on Wireless Communications, 2020, 19, 410-422.	6.1	15
1023	A theoretical investigation of erbium-doped fiber laser as a function of ion-clustering, temperature, pumping wavelength, and configuration. Microwave and Optical Technology Letters, 2020, 62, 531-539.	0.9	0
1024	A novel design for 2-bit optical analog to digital (A/D) converter based on nonlinear ring resonators in the photonic crystal structure. Optics Communications, 2020, 458, 124760.	1.0	31
1025	All-optical AND, OR, and XOR logic gates based on coherent perfect absorption in graphene-based metasurface at terahertz region. Optics Communications, 2020, 458, 124772.	1.0	30
1026	High Q-factor optical filter with high refractive index sensitivity based on hourglass-shaped photonic crystal ring resonator. Optik, 2020, 202, 163663.	1.4	6
1027	Synthesis of SBA-15 Assembled with silicon nanoparticles with different morphologies for oxygen sensing. Microporous and Mesoporous Materials, 2020, 296, 110001.	2.2	12
1028	Non-line-of-sight methodology for high-speed wireless optical communication in highly turbid water. Optics Communications, 2020, 461, 125264.	1.0	34
1029	On-Chip Single-Mode Optofluidic Microresonator Dye Laser Sensor. IEEE Sensors Journal, 2020, 20, 3556-3563.	2.4	34
1030	Light-Based Indoor Positioning Systems: A Review. IEEE Sensors Journal, 2020, 20, 3971-3995.	2.4	81
1031	Robust Signal Recovery for MIMO VLC System With Incomplete Channel. IEEE Communications Letters, 2020, 24, 381-385.	2.5	0
1032	Watt-Level Dual-Wavelength Q-Switched Mode-Locked All-Solid-State Tm:CYA Laser. Frontiers in Physics, 2020, 7, .	1.0	4
1033	Design of 3.84 Tbps hybrid WDM-PDM based inter-satellite optical wireless communication (IsOWC) system using spectral efficient orthogonal modulation scheme. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 4167-4175.	3.3	17
1034	Joint bit and power loading for adaptive MIMO OFDM VLC systems. Transactions on Emerging Telecommunications Technologies, 2020, 31, e3850.	2.6	15
1035	Saturable absorber incorporating graphene oxide polymer composite through dip coating for mode-locked fiber laser. Optical Materials, 2020, 100, 109619.	1.7	19
1036	All-Optical Plasmonic Switches Based on Asymmetric Directional Couplers Incorporating Bragg Gratings. Plasmonics, 2020, 15, 869-879.	1.8	26
1037	Fano resonance and its application using a defective disk resonator coupled to an MDM plasmon waveguide with a nano-wall. Optik, 2020, 208, 164136.	1.4	9
1038	SnS ₂ Nanosheets for Er-Doped Fiber Lasers. ACS Applied Nano Materials, 2020, 3, 674-681.	2.4	49
1039	Early detection of cancer using circulating tumor DNA: biological, physiological and analytical considerations. Critical Reviews in Clinical Laboratory Sciences, 2020, 57, 253-269.	2.7	28

#	ARTICLE	IF	CITATIONS
1040	IDGCP: Image Dehazing Based on Gamma Correction Prior. IEEE Transactions on Image Processing, 2020, 29, 3104-3118.	6.0	93
1041	A review of optical interferometry techniques for VOC detection. Sensors and Actuators A: Physical, 2020, 302, 111782.	2.0	53
1042	End-to-End Performance Analysis of Underwater Optical Wireless Relaying and Routing Techniques Under Location Uncertainty. IEEE Transactions on Wireless Communications, 2020, 19, 1167-1181.	6.1	44
1043	Optical Capillary Fiber Mode Interferometer for Pressure Sensing. IEEE Sensors Journal, 2020, 20, 2253-2260.	2.4	16
1044	Rapid and label-free screening of echinococcosis serum profiles through surface-enhanced Raman spectroscopy. Analytical and Bioanalytical Chemistry, 2020, 412, 279-288.	1.9	19
1045	Absolute irradiance responsivity calibration using diode lasers emitting at three wavelengths for tricolor laser applications. Optik, 2020, 202, 163653.	1.4	4
1046	Realization of sharp visible WGM lasing from $\text{Sm}^{3+}:\text{ZnO}$ micro-spheres fabricated by laser ablation technique. Journal Physics D: Applied Physics, 2020, 53, 135302.	1.3	5
1047	Orbital Angular Momentum Waves: Generation, Detection, and Emerging Applications. IEEE Communications Surveys and Tutorials, 2020, 22, 840-868.	24.8	190
1048	Fiber coupling efficiency for satellite and space to ground downlinks with pointing errors. Optik, 2020, 202, 163558.	1.4	1
1049	Indoor visible light high precision three-dimensional positioning algorithm based on single LED lamp. Optik, 2020, 207, 163786.	1.4	5
1050	Performance Investigation of OAMSK Modulated Wireless Optical System Over Turbulent Ocean Using Convolutional Neural Networks. Journal of Lightwave Technology, 2020, 38, 1753-1765.	2.7	22
1051	Design of Miniaturized Antenna Using Corrugated Microstrip. IEEE Transactions on Antennas and Propagation, 2020, 68, 1918-1924.	3.1	31
1052	End-to-End Energy-Efficiency and Reliability of UAV-Assisted Wireless Data Ferrying. IEEE Transactions on Communications, 2020, 68, 1822-1837.	4.9	29
1053	Assessment of novel regenerator assignment strategies in dynamic translucent elastic optical networks. Photonic Network Communications, 2020, 39, 54-69.	1.4	7
1054	Highly stretchable and contact-responsive light-emitting diodes based on $\text{MAPbBr}_3/\text{PEO}$ composite film. Journal of Alloys and Compounds, 2020, 819, 153360.	2.8	14
1055	Q-Switched Erbium-doped Fiber Laser Based on Silicon Nanosheets as Saturable Absorber. Optik, 2020, 202, 163692.	1.4	23
1056	Dual-surface lens with ring-shaped structures for optical tuning of GaN ultraviolet photodetectors at low temperature. Sensors and Actuators A: Physical, 2020, 303, 111783.	2.0	5
1057	On the Error Probability of Cognitive RF-FSO Relay Networks Over Rayleigh/EW Fading Channels With Primary-Secondary Interference. IEEE Photonics Journal, 2020, 12, 1-13.	1.0	23

#	ARTICLE	IF	CITATIONS
1058	Nonlinear compensation in W-band MM-wave communication system with heterodyne coherent detection. <i>Optical Fiber Technology</i> , 2020, 54, 102099.	1.4	8
1059	Surface plasmon resonance-induced high sensitivity refractive index sensor with adjustable measurement range based on an evanescent field-enhanced D-shaped five-hole photonic crystal fiber. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 115107.	1.3	10
1060	A novel proposal for all optical FSK demodulator using photonic crystal based resonant cavities. <i>Optik</i> , 2020, 203, 163953.	1.4	7
1061	Multiplanar reconstruction with incomplete data via enhanced fuzzy radial basis function neural networks. <i>Biomedical Signal Processing and Control</i> , 2020, 57, 101766.	3.5	1
1062	Wideband Dual-Channel Photonic RF Repeater Based on Polarization Division Multiplexing Modulation and Polarization Control. <i>Journal of Lightwave Technology</i> , 2020, 38, 1275-1285.	2.7	4
1063	A Review on Practical Considerations and Solutions in Underwater Wireless Optical Communication. <i>Journal of Lightwave Technology</i> , 2020, 38, 421-431.	2.7	126
1064	Silicon Nitride (Si ₃ N ₄) (De-)Multiplexers for 1- $\lambda/4$ CWDM Optical Interconnects. <i>Journal of Lightwave Technology</i> , 2020, 38, 3404-3413.	2.7	17
1065	Sidewall Profile Dependent Nanostructured Ultrathin Solar Cells With Enhanced Light Trapping Capabilities. <i>IEEE Photonics Journal</i> , 2020, 12, 1-12.	1.0	7
1066	A Band-Folding Microwave Photonic Link With Inter-Band Image Rejection. <i>IEEE Photonics Technology Letters</i> , 2020, 32, 39-42.	1.3	3
1067	Dynamic Quasi-Distributed Ultraweak Fiber Bragg Grating Array Sensing Enabled by Depth-Resolved Dual-Comb Spectroscopy. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 5821-5827.	2.4	16
1068	Wide-Angle Polarization-Independent Ultra-Broadband Absorber from Visible to Infrared. <i>Nanomaterials</i> , 2020, 10, 27.	1.9	31
1069	Photonics integrated circuits using Al _x Ga _{1-x} N based UVC light-emitting diodes, photodetectors and waveguides. <i>Applied Physics Express</i> , 2020, 13, 022003.	1.1	17
1070	An improved intelligent clustering algorithm for irregular wireless network. <i>Wireless Networks</i> , 2020, , 1.	2.0	1
1071	Stokes-Space Analysis of Modal Dispersion of SDM Fibers With Mode-Dependent Loss: Theory and Experiments. <i>Journal of Lightwave Technology</i> , 2020, 38, 1668-1677.	2.7	24
1072	Frequency division using a soliton-injected semiconductor gain-switched frequency comb. <i>Science Advances</i> , 2020, 6, .	4.7	21
1073	Wireless Remote Control for Underwater Vehicles. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 736.	1.2	20
1074	Distributed Dynamic Strain Sensing Based on Brillouin Scattering in Optical Fibers. <i>Sensors</i> , 2020, 20, 5629.	2.1	14
1075	Reduced Tilting Effect of Smartphone CMOS Image Sensor in Visible Light Indoor Positioning. <i>Electronics (Switzerland)</i> , 2020, 9, 1635.	1.8	10

#	ARTICLE	IF	CITATIONS
1076	Comparison of actual and simulated tumoricidal effects induced by photodynamic therapy. Photodiagnosis and Photodynamic Therapy, 2020, 32, 102060.	1.3	1
1077	Voltage-Tunable UVB Dual-Band Metal-Semiconductor Metal Photodetector Based on Ga ₂ O ₃ /MgZnO Heterostructure by RF Sputtering. Coatings, 2020, 10, 994.	1.2	6
1078	Optimization of Free Space Optical Terrestrial Link Considering Different System Parameters. , 2020, , .		2
1079	Metasurface Spiral Focusing Generators with Tunable Orbital Angular Momentum Based on Slab Silicon Nitride Waveguide and Vanadium Dioxide (VO ₂). Nanomaterials, 2020, 10, 1864.	1.9	7
1080	A Comprehensive Study on Light Signals of Opportunity for Subdecimetre Unmodulated Visible Light Positioning. Sensors, 2020, 20, 5596.	2.1	5
1081	A Front Water Recognition Method Based on Image Data for Off-Road Intelligent Vehicle. Journal of Advanced Transportation, 2020, 2020, 1-14.	0.9	2
1082	Soliton passively mode-locked pulses generation in thulium-holmium doped fiber laser (THDFL) with molybdenum oxide saturable absorber. Optical Fiber Technology, 2020, 60, 102344.	1.4	7
1083	Deterioration of near-UV GaN-based LEDs in seawater vapour. Results in Physics, 2020, 19, 103432.	2.0	7
1084	Quad band metamaterial absorber based on asymmetric circular split ring resonator for multiband microwave applications. Results in Physics, 2020, 19, 103467.	2.0	55
1085	On-demand fragmentation-aware spectrum allocation in space division multiplexed elastic optical networks with minimized crosstalk and multipath routing. Computer Networks, 2020, 181, 107531.	3.2	20
1086	Improved Brightness and Color Tunability of Solution-Processed Silicon Quantum Dot Light-Emitting Diodes. Journal of Physical Chemistry C, 2020, 124, 23333-23342.	1.5	20
1087	Searching for optimal quantum secret sharing scheme based on local distinguishability. Quantum Information Processing, 2020, 19, 1.	1.0	2
1088	Improving the SNR of the phase-OTDR by controlling the carrier in the SOA. Journal of Modern Optics, 2020, 67, 1241-1246.	0.6	1
1089	Generation of dark-bright-bright solitons in Er-doped fiber laser based on ferromagnetic insulator Cr ₂ Ge ₂ Te ₆ . Infrared Physics and Technology, 2020, 109, 103417.	1.3	14
1090	The SiPM revolution in time-domain diffuse optics. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 978, 164411.	0.7	16
1091	Indoor Positioning Based on Hybrid Domain Transfer Learning. IEEE Access, 2020, 8, 130527-130539.	2.6	4
1092	Hardware-Accelerated Platforms and Infrastructures for Network Functions: A Survey of Enabling Technologies and Research Studies. IEEE Access, 2020, 8, 132021-132085.	2.6	50
1093	Bias-Free Silicon-Based Optical Single-Sideband Modulator Without 2 nd -Order Sideband. IEEE Photonics Journal, 2020, 12, 1-16.	1.0	3

#	ARTICLE	IF	CITATIONS
1094	Spectrally Efficient Cooperative Visible Light Communication with Adaptive Power Sharing for a Generalized System. , 2020, , .		0
1095	Low-Loss and Broadband Silicon Photonic 3-dB Power Splitter with Enhanced Coupling of Shallow-Etched Rib Waveguides. Applied Sciences (Switzerland), 2020, 10, 4507.	1.3	14
1096	A Novel Mine Cage Safety Monitoring Algorithm Utilizing Visible Light. Sensors, 2020, 20, 3920.	2.1	3
1097	Amplifying Evanescent Waves by Dispersion-Induced Plasmons: Defying the Materials Limitation of the Superlens. ACS Photonics, 2020, 7, 2173-2181.	3.2	22
1098	Multiuser Visible Light Communication Systems Using OFDMA. Journal of Lightwave Technology, 2020, 38, 6015-6023.	2.7	22
1099	Design and fabrication of amoeba faced photonic crystal fiber for biosensing application. Sensors and Actuators A: Physical, 2020, 313, 112204.	2.0	35
1100	Recent advances of two-dimensional materials in smart drug delivery nano-systems. Bioactive Materials, 2020, 5, 1071-1086.	8.6	119
1101	Time-Resolved Studies of Bioluminescence From <i>Photobacterium Leiognathi</i> and Rapid Antimicrobial Susceptibility Testing on <i>E. Coli</i> Using Tunable Diode Laser Spectroscopy. IEEE Sensors Journal, 2020, 20, 11073-11081.	2.4	4
1102	Open-Set Events Identification Based on Deep Metric-Learning for DMZI Perimeter System. IEEE Sensors Journal, 2020, 20, 13620-13628.	2.4	8
1103	Temperature Stability and Spectral Tuning of Long Period Fiber Gratings Fabricated by Femtosecond Laser Direct Writing. Sensors, 2020, 20, 3898.	2.1	6
1104	Secrecy Performance Analysis of Mixed Hyper-Gamma and Gamma-Gamma Cooperative Relaying System. IEEE Access, 2020, 8, 131273-131285.	2.6	17
1105	Simulation study of front-illuminated GaN avalanche photodiodes with hole-initiated multiplication. Cogent Engineering, 2020, 7, 1764171.	1.1	2
1106	A Method for the Assessment of Textile Pilling Tendency Using Optical Coherence Tomography. Sensors, 2020, 20, 3687.	2.1	12
1107	In vivo volumetric monitoring of revascularization of traumatized skin using extended depth-of-field photoacoustic microscopy. Frontiers of Optoelectronics, 2020, 13, 307-317.	1.9	29
1108	Bessel Beam: Significance and Applicationsâ€”A Progressive Review. Micromachines, 2020, 11, 997.	1.4	101
1109	Generation of (3, 1) Vector Signal Based on Probabilistic Shaping Technology without Precoding. Advances in Condensed Matter Physics, 2020, 2020, 1-7.	0.4	0
1110	Monolithic 1 Å– 8 DWDM Silicon Optical Transmitter Using an Arrayed-Waveguide Grating and Electro-Absorption Modulators for Switch Fabrics in Intra-Data-Center Interconnects. Micromachines, 2020, 11, 991.	1.4	4
1111	Asymmetric Carrier Divider with an Irregular RF Phase on DD-MZ Modulator for Eliminating Dispersion Power Fading in RoF Communication. Photonics, 2020, 7, 106.	0.9	2

#	ARTICLE	IF	CITATIONS
1112	Fiber Optic Refractive Index Sensors Based on a Ball Resonator and Optical Backscatter Interrogation. Sensors, 2020, 20, 6199.	2.1	31
1113	High-Accuracy and Real-Time Indoor Positioning System Based on Visible Light Communication and Mobile Robot. International Journal of Optics, 2020, 2020, 1-11.	0.6	4
1114	Experimental Demonstration of the Potential 5G Based Multiplexed Radio Frequency Signals Transmission in Passive Optical Network. Radioengineering, 2020, 29, 438-444.	0.3	1
1115	High-sensitive measurements of refractive-index and magnetic-field based on liquid-infiltrated photonic crystal fiber with an elliptically-shaped core. Optical and Quantum Electronics, 2020, 52, 1.	1.5	1
1116	Modeling and performance evaluation of underwater wireless optical communication system in the presence of different sized air bubbles. Optical and Quantum Electronics, 2020, 52, 1.	1.5	15
1117	Airy transformation of Lorentz-Gauss beams. Results in Physics, 2020, 19, 103643.	2.0	11
1118	A compact polarization reconfigurable stacked microstrip antenna for WiMAX application. International Journal of Microwave and Wireless Technologies, 2020, , 1-16.	1.5	3
1119	State-of-the-Art Optical Microfiber Coupler Sensors for Physical and Biochemical Sensing Applications. Biosensors, 2020, 10, 179.	2.3	15
1120	Short-wave IR ultrafast fiber laser systems: Current challenges and prospective applications. Journal of Applied Physics, 2020, 128, .	1.1	29
1121	Optimized OAM Laguerre-Gauss Alphabets for Demodulation using Machine Learning. , 2020, , .		0
1122	Terahertz Sensor Study Based on Spoof Surface Plasmon Polaritons. International Journal of Antennas and Propagation, 2020, 2020, 1-13.	0.7	11
1123	A 3D-printed adaptive cloaking“illusion-integrated metasurface. Journal of Materials Chemistry C, 2020, 8, 16018-16023.	2.7	9
1124	Fourier Domain Anomaly Detection and Spectral Fusion for Stripe Noise Removal of TIR Imagery. Remote Sensing, 2020, 12, 3714.	1.8	10
1125	Demonstration of Three-Dimensional Indoor Visible Light Positioning with Multiple Photodiodes and Reinforcement Learning. Sensors, 2020, 20, 6470.	2.1	4
1126	Implementation of VLC Within a Public Lighting Network. , 2020, , .		2
1127	Design of Compact Integrated Photonic Crystal NAND and NOR Logic Gates. , 2020, , .		3
1128	Structural Health Monitoring Using Fibre Optic Acoustic Emission Sensors. Sensors, 2020, 20, 6369.	2.1	24
1129	On the physical layer security of hybrid RF-FSO system in presence of multiple eavesdroppers and receiver diversity. Optics Communications, 2020, 477, 126334.	1.0	16

#	ARTICLE	IF	CITATIONS
1130	Realization of a plasmonic optical switch using improved nano-disk resonators with Kerr-type nonlinearity: A theoretical and numerical study on challenges and solutions. Optics Communications, 2020, 477, 126359.	1.0	28
1131	Numerical investigation of a highly sensitive plasmonic refractive index sensor utilizing hexagonal lattice of photonic crystal fiber. Results in Physics, 2020, 18, 103313.	2.0	40
1132	Recent progress in and perspectives of underwater wireless optical communication. Progress in Quantum Electronics, 2020, 73, 100274.	3.5	134
1133	Multuser Precoded MIMO Visible Light Communication Systems Enabling Spatial Dimming. Journal of Lightwave Technology, 2020, 38, 5624-5634.	2.7	11
1134	Compression and Enhancement of Multiscale Vibration Signals Based on \hat{I} -OTDR. IOP Conference Series: Earth and Environmental Science, 2020, 440, 022073.	0.2	0
1135	An overview of terahertz antennas. China Communications, 2020, 17, 124-165.	2.0	152
1136	Polarization Insensitive, Broadband, Near Diffraction-Limited Metalens in Ultraviolet Region. Nanomaterials, 2020, 10, 1439.	1.9	22
1137	Performance Analysis of Cooperative and Non-Cooperative Relaying over VLC Channels. Sensors, 2020, 20, 3660.	2.1	13
1138	Surface Plasmon Resonance Sensor Based on Dual-Side Polished Microstructured Optical Fiber with Dual-Core. Sensors, 2020, 20, 3911.	2.1	26
1139	A Review of Technologies and Techniques for Indoor Navigation Systems for the Visually Impaired. Sensors, 2020, 20, 3935.	2.1	61
1140	FDTD Simulation: Simultaneous Measurement of the Refractive Index and the Pressure Using Microdisk Resonator with Two Whispering-Gallery Modes. Sensors, 2020, 20, 3955.	2.1	13
1141	Design and analysis of birefringent SPR based PCF biosensor with ultra-high sensitivity and low loss. Optik, 2020, 221, 165311.	1.4	43
1142	Numerical Investigation of a Short Polarization Beam Splitter Based on Dual-Core Photonic Crystal Fiber with As ₂ S ₃ Layer. Micromachines, 2020, 11, 706.	1.4	14
1143	De-Noising Scheme for VLC-Based V2V Systems; A Machine Learning Approach. Procedia Computer Science, 2020, 171, 2167-2176.	1.2	4
1144	Wet chemical etching of single-bore microstructured silicon dioxide fibers. Physics of Fluids, 2020, 32, 073314.	1.6	1
1145	The Spectral Optimization of a Commercializable Multi-Channel LED Panel With Circadian Impact. IEEE Access, 2020, 8, 136498-136511.	2.6	13
1146	Recent developments in mid-infrared fiber lasers: Status and challenges. Optics and Laser Technology, 2020, 132, 106497.	2.2	57
1147	Ultra-high sensitivity sensing based on tunable plasmon-induced transparency in graphene metamaterials in terahertz. Optical Materials, 2020, 108, 110221.	1.7	45

#	ARTICLE	IF	CITATIONS
1148	Fringe slope discrimination in laser self-mixing interferometry using artificial neural network. Optics and Laser Technology, 2020, 132, 106499.	2.2	11
1149	A Wavelength-Selective Multiwavelength Ring-Assisted Mach-Zehnder Interferometer Switch. Journal of Lightwave Technology, 2020, 38, 6292-6298.	2.7	5
1150	Numerical development of high performance quasi D-shape PCF-SPR biosensor: An external sensing approach employing gold. Results in Physics, 2020, 18, 103281.	2.0	43
1151	Integrated polarisation handling devices. IET Optoelectronics, 2020, 14, 109-119.	1.8	13
1152	High-Resolution Optical Microresonator-Based Sensor Enabled by Microwave Photonic Sidebands Processing. Journal of Lightwave Technology, 2020, 38, 5440-5449.	2.7	18
1153	Performance Analysis of OFDM-Based VLC Schemes in NLOS Channels. , 2020, , .		4
1154	Mechanical Analysis and Performance Optimization for the Lunar Rover's Vane-Telescopic Walking Wheel. Engineering, 2020, 6, 936-943.	3.2	5
1155	Preparation and characteristics of SnS ₂ saturable absorber and its application in passively Q-switched Nd:YAG/Cr ⁴⁺ :YAG laser. Optik, 2020, 212, 164712.	1.4	10
1156	Secure Backhauling over Adaptive Parallel mmWave/FSO Link. , 2020, , .		7
1157	Low-Voltage Electrically-Induced Second Harmonic Generation in a Silicon Waveguide Based on Modal Phase Matching. Journal of Lightwave Technology, 2020, 38, 6272-6279.	2.7	4
1158	Indoor Intelligent Fingerprint-Based Localization: Principles, Approaches and Challenges. IEEE Communications Surveys and Tutorials, 2020, 22, 2634-2657.	24.8	94
1159	A novel design of all-optical 4 to 2 encoder with multiple defects in silica-based photonic crystal fiber. Optik, 2020, 222, 165419.	1.4	35
1160	Generating and Detecting Broad-Band Underwater Multiple OAMs Based on Water-Immersed Array. IEEE Access, 2020, 8, 149586-149594.	2.6	4
1161	High-Efficiency Microsatellite-Using Super-Resolution Algorithm Based on the Multi-Modality Super-CMOS Sensor. Sensors, 2020, 20, 4019.	2.1	5
1162	Fingerprint-Based Visible Light Positioning using Multiple Photodiode Receiver. , 2020, , .		4
1163	Ultra-Wide Bandgap Copper Oxide: High Performance Solar-Blind Photo-detection. IEEE Electron Device Letters, 2020, 41, 1790-1793.	2.2	12
1164	Compressive Ultrafast Optical Time-Stretch Imaging. , 2020, , .		1
1165	Undiscovered issues and solutions for direct detected $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si13.svg" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \cdot \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ -OTDR systems. Optical Fiber Technology, 2020, 60, 102346.	1.4	4

#	ARTICLE	IF	CITATIONS
1166	Smart Window with Active-Passive Hybrid Control. <i>Materials</i> , 2020, 13, 4137.	1.3	26
1167	TiO ₂ /gold-graphene hybrid solid core SPR based PCF RI sensor for sensitivity enhancement. <i>Optik</i> , 2020, 224, 165525.	1.4	57
1168	A Wavelength Tunable CW Orange-red Laser Source Based on Magnesium Oxide-doped Periodically-poled LiNbO ₃ in an Intracavity Sum-frequency Generation. <i>Medziagotyra</i> , 2020, 26, 381-386.	0.1	0
1169	Design and analysis of a 32 Gbps passive optical network employing FSO based protection at the distribution level. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 4621-4631.	3.4	27
1170	Deep learning based detection technique for FSO communication systems. <i>Physical Communication</i> , 2020, 43, 101229.	1.2	13
1171	A New Equalizer Structure for High-Speed Optical Links Based on Carrierless Amplitude and Phase Modulation. , 2020, , .		0
1172	Performance Analysis of Distributed Alamouti based UWOC System. , 2020, , .		5
1173	Integration and Evaluation of Hybrid RoF-VLC Network. , 2020, , .		5
1174	Design of a Broadband Integrated Notch Filter in Silicon Nitride. , 2020, , .		0
1175	Guiding of terahertz photons in superconducting nano-circuits. , 2020, , .		5
1176	Effects of silicone lens aging on degradation kinetics of light-emitting diode package in various accelerated testing. <i>Optical Materials</i> , 2020, 107, 110071.	1.7	7
1177	Research on Three-Dimensional Magnetic Induced Error Model of Interferometric Fiber Optic Gyro. <i>IEEE Photonics Journal</i> , 2020, 12, 1-12.	1.0	0
1178	Field Demonstrations of Wide-Beam Optical Communications Through Water-Air Interface. <i>IEEE Access</i> , 2020, 8, 160480-160489.	2.6	31
1179	Adaptive Nonlinear Equalization Combining Sparse Bayesian Learning and Kalman Filtering for Visible Light Communications. <i>Journal of Lightwave Technology</i> , 2020, 38, 6732-6745.	2.7	21
1180	Numerical modeling and analysis of a TM mode-division (de)multiplexer based on grating assisted couplers. <i>Optical and Quantum Electronics</i> , 2020, 52, 1.	1.5	3
1181	Electrothermal Collaborative Cooling With Delayed Power Rail Switching Auxiliary Charging by Considering Energy Harvesting Mechanism for High-Power LEDs. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2020, 10, 1507-1514.	1.4	1
1182	Laser and Nonlinear Phase Noise Tracking and Estimation in Long Haul 400 Gbps Single Carrier PDM-16-QAM Systems using Multi-step Kalman Filter. , 2020, , .		0
1183	A Highly Magnetic Field Sensitive Photonic Crystal Fiber Based on Surface Plasmon Resonance. <i>Sensors</i> , 2020, 20, 5193.	2.1	37

#	ARTICLE	IF	CITATIONS
1184	Performance analysis of hybrid SAC-OCDMA-OFDM model over free space optical communication. CCF Transactions on Networking, 2020, 3, 272-285.	1.0	6
1185	Filterless Radio-Over-Fiber System to Generate 40 and 80 GHz Millimeter-Wave. IEEE Photonics Journal, 2020, 12, 1-13.	1.0	3
1186	Hybrid SPAD/PD Receiver for Reliable Free-Space Optical Communication. IEEE Open Journal of the Communications Society, 2020, 1, 1364-1373.	4.4	14
1187	Propagation Analysis of Terahertz OAM Waves in Atmospheric Turbulent Environment. , 2020, , .		0
1188	A Multi-Image Encryption with Super-Lager-Capacity Based on Spherical Diffraction and Filtering Diffusion. Applied Sciences (Switzerland), 2020, 10, 5691.	1.3	4
1189	MobileNet Based Apple Leaf Diseases Identification. Mobile Networks and Applications, 2022, 27, 172-180.	2.2	90
1190	Performance Analysis of DF Relaying Assisted Underwater Visible Light Communication System. , 2020, , .		3
1191	Designing the parameters of an FSS antenna for communication systems using an enhanced UTC-PSO approach. Journal of Computational Electronics, 2020, 19, 1579-1587.	1.3	2
1192	Terahertz smart dynamic and active functional electromagnetic metasurfaces and their applications. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190609.	1.6	12
1193	Silicon nitride polarisation beam splitters: a review. IET Optoelectronics, 2020, 14, 120-124.	1.8	6
1194	LED-Based Underwater Wireless Optical Communication for Small Mobile Platforms: Experimental Channel Study in Highly-Turbid Lake Water. IEEE Access, 2020, 8, 169304-169313.	2.6	10
1195	Optical Camera Communications: Principles, Modulations, Potential and Challenges. Electronics (Switzerland), 2020, 9, 1339.	1.8	46
1196	Symmetric accelerating beam generation via all-dielectric metasurfaces. RSC Advances, 2020, 10, 30282-30288.	1.7	8
1197	A graphene-PDMS hybrid overcoating enhanced fiber plasmonic temperature sensor with high sensitivity and fast response. Journal of Materials Chemistry C, 2020, 8, 12893-12901.	2.7	31
1198	Unified Performance Analysis of Multi-Hop FSO Systems Over Double Generalized Gamma Turbulence Channels With Pointing Errors. IEEE Transactions on Wireless Communications, 2020, 19, 7732-7746.	6.1	18
1199	Visible Light Communications for Industrial Applications—Challenges and Potentials. Electronics (Switzerland), 2020, 9, 2157.	1.8	50
1200	Indoor Visible Light Communication: A Tutorial and Survey. Wireless Communications and Mobile Computing, 2020, 2020, 1-46.	0.8	49
1201	Nonlinear phase compensated OFDR based on Match Fourier Transform algorithm. Journal of Physics: Conference Series, 2020, 1607, 012110.	0.3	0

#	ARTICLE	IF	CITATIONS
1202	Multiple dissipative solitons with equal and invariant temporal spacing in Yb-doped all-normal-dispersion fiber lasers. <i>Optik</i> , 2020, 224, 165640.	1.4	1
1203	Numerical analysis of DP-MZIâ€“SI comb filter improvement using polarisation-maintaining fibre. <i>Results in Physics</i> , 2020, 19, 103363.	2.0	2
1204	Fiber semi-film SPR curvature sensor with the function of directional recognition. <i>Results in Optics</i> , 2020, 1, 100003.	0.9	14
1205	Analysis of triple random phase encoding cryptosystem in Fresnel domain. <i>Results in Optics</i> , 2020, 1, 100009.	0.9	8
1206	Design of bimetal-coated photonic crystal fiber filter based on surface plasmon resonance. <i>Results in Optics</i> , 2020, 1, 100027.	0.9	9
1207	Actively tunable THz filter based on an electromagnetically induced transparency analog hybridized with a MEMS metamaterial. <i>Scientific Reports</i> , 2020, 10, 20807.	1.6	42
1208	Development of a visible light communication system for reducing flicker in low data rate requirement. <i>International Journal of Nanoparticles</i> , 2020, 12, 59.	0.1	2
1209	A Full-Duplex LED-to-LED Visible Light Communication System. <i>Electronics (Switzerland)</i> , 2020, 9, 1713.	1.8	17
1210	Terahertz emission from thin annular and slitted annular Bi2212 microstrip antennas. , 2020, , .		0
1211	Silicon Photonic Mode-Division Reconfigurable Optical Add/Drop Multiplexers with Mode-Selective Integrated MEMS Switches. <i>Photonics</i> , 2020, 7, 80.	0.9	6
1212	A Comparative Study on Variable vs. Fixed Subchannel Symbol Rates with Different Modulation Formats in WSS Filtering Penalty-Aware Elastic Optical Networks. , 2020, , .		1
1213	On-Chip Optical Gas Sensors Based on Group-IV Materials. <i>ACS Photonics</i> , 2020, 7, 2923-2940.	3.2	50
1214	Optical OFDM for SiPM-Based Underwater Optical Wireless Communication Links. <i>Sensors</i> , 2020, 20, 6057.	2.1	16
1215	Highly Scattering Hierarchical Porous Polymer Microspheres with a High-Refractive Index Inorganic Surface for a Soft-Focus Effect. <i>Polymers</i> , 2020, 12, 2418.	2.0	11
1216	Large angle reciprocal electromagnetically induced transparency on fano resonance in metamaterials. <i>Optical and Quantum Electronics</i> , 2020, 52, 1.	1.5	1
1217	Coupling a silicon-on-insulator waveguide to a metalâ€“dielectricâ€“metal plasmonic waveguide through a vertical and lateral taper-funnel structure. <i>Applied Physics B: Lasers and Optics</i> , 2020, 126, 1.	1.1	2
1218	Creation of a fast optical Toffoli gate based on photonic crystal nonlinear ring resonators. <i>Journal of Computational Electronics</i> , 2020, 19, 1281-1287.	1.3	29
1219	Transmission Matrix Based Image Super-Resolution Reconstruction Through Scattering Media. <i>IEEE Photonics Journal</i> , 2020, 12, 1-11.	1.0	1

#	ARTICLE	IF	CITATIONS
1220	Spectrally efficient optical orthogonal frequency division multiplexing. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190180.	1.6	15
1221	High-Performance Fully Integrated Silicon Photonic Microwave Mixer Subsystems. Journal of Lightwave Technology, 2020, 38, 5536-5545.	2.7	13
1222	BER performance of FSO communication system with differential signaling over correlated atmospheric turbulence fading. China Communications, 2020, 17, 51-65.	2.0	8
1223	Hybrid all-optical infrared metal-insulator-metal plasmonic switch incorporating photonic crystal bandgap structures. Photonics and Nanostructures - Fundamentals and Applications, 2020, 40, 100802.	1.0	31
1224	All-optical fiber soliton processing using dispersion oscillating fiber. Laser Physics Letters, 2020, 17, 065105.	0.6	9
1225	Low-Power, Large-Area and High-Performance CdSe Quantum Dots/Reduced Graphene Oxide Photodetectors. IEEE Access, 2020, 8, 95855-95863.	2.6	8
1226	Focused ion beam milling for prototyping 2D and 3D photonic structures. International Journal of Advanced Manufacturing Technology, 2020, 107, 4469-4480.	1.5	8
1227	Impact of a Photodiode's Angular Characteristics on RSS-Based VLP Accuracy. IEEE Access, 2020, 8, 83116-83130.	2.6	10
1228	A Novel Visible Light Positioning System With Event-Based Neuromorphic Vision Sensor. IEEE Sensors Journal, 2020, 20, 10211-10219.	2.4	18
1229	High Resolution Laser Self-Mixing Displacement Sensor Under Large Variation in Optical Feedback and Speckle. IEEE Sensors Journal, 2020, 20, 9140-9147.	2.4	24
1230	Double-sided Polished Ultra-stable and Ultra-sensitive Optical Fiber Sensor. Plasmonics, 2020, 15, 1471-1479.	1.8	18
1231	Conventional solitons and bound-state solitons in an erbium-doped fiber laser mode-locked by TiSe_2 -based saturable absorber. Nanotechnology, 2020, 31, 365202.	1.3	21
1232	Mid-infrared gas sensor based on high-Q/V point-defect photonic crystal nanocavities. Optical and Quantum Electronics, 2020, 52, 1.	1.5	27
1233	Low confinement loss photonic crystal fibre capable of supporting 54 orbital angular momentum modes. Journal of Modern Optics, 2020, 67, 556-562.	0.6	8
1234	Mode-dependent crosstalk and detection probability of orbital angular momentum of optical vortex beam through atmospheric turbulence. Journal of Optics (United Kingdom), 2020, 22, 075607.	1.0	8
1235	Deep Learning for Optical Vehicular Communication. IEEE Access, 2020, 8, 102691-102708.	2.6	20
1236	EWT-ASC: Empirical Wavelet Transform With Adaptive Savitzky-Golay Filtering for TDLAS. IEEE Photonics Journal, 2020, 12, 1-12.	1.0	10
1237	All-optical analog to digital converter based on nonlinear photonic crystal ring resonators. Photonics and Nanostructures - Fundamentals and Applications, 2020, 41, 100817.	1.0	26

#	ARTICLE	IF	CITATIONS
1238	A novel proposal for performance improvement in two-dimensional photonic crystal-based 2-to-4 decoders. <i>Laser Physics</i> , 2020, 30, 076203.	0.6	18
1239	A Novel Encoding Strategy of Enhanced Broadband and Absorption Conformable Metamaterial for MW Applications. <i>IEEE Access</i> , 2020, 8, 100458-100468.	2.6	2
1240	Performance Optimization of High Speed DACs Using DSP. <i>Journal of Lightwave Technology</i> , 2020, 38, 3096-3105.	2.7	10
1241	On Secrecy Performance of Mixed Generalized Gamma and Málaga RF-FSO Variable Gain Relaying Channel. <i>IEEE Access</i> , 2020, 8, 104127-104138.	2.6	23
1242	Hybrid image sensor of small molecule organic photodiode on CMOS – Integration and characterization. <i>Scientific Reports</i> , 2020, 10, 7594.	1.6	23
1243	Controllable transparency and slow light in a hybrid optomechanical system with quantum dot molecules. <i>Optical and Quantum Electronics</i> , 2020, 52, 1.	1.5	9
1244	AlGaN –based – – – – – solar-blind ultraviolet avalanche photodetectors with modulated polarization electric field. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2020, 33, e2763.	1.2	5
1245	Electroluminescence from ¼LED without external charge injection. <i>Scientific Reports</i> , 2020, 10, 8059.	1.6	17
1246	Design and Characterization of Nanopore- Assisted Weakly-Coupled Few-Mode Fiber for Simpler MIMO Space Division Multiplexing. <i>IEEE Access</i> , 2020, 8, 76173-76181.	2.6	10
1247	On the Discrete-Input Continuous-Output Memoryless Channel Capacity of Layered ACO-OFDM. <i>Journal of Lightwave Technology</i> , 2020, 38, 4955-4968.	2.7	8
1248	A Compact Ultra-Long Period Fiber Grating Based on Cascading Up-Tapers. <i>IEEE Sensors Journal</i> , 2020, 20, 8552-8558.	2.4	11
1249	Doping-induced energy barriers to improve the current spreading effect for AlGaIn-based ultraviolet-B light-emitting diodes. <i>IEEE Electron Device Letters</i> , 2020, , 1-1.	2.2	15
1250	The Bit Error Performance and Information Transfer Rate of SPAD Array Optical Receivers. <i>IEEE Transactions on Communications</i> , 2020, 68, 5689-5705.	4.9	16
1251	Double Spectral Electromagnetically Induced Transparency Based on Double-Bar Dielectric Grating and Its Sensor Application. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3033.	1.3	13
1252	Full wave numerical analysis of wideband and high directive log spiral <scp>THz</scp> photoconductive antenna. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2020, 33, e2761.	1.2	8
1253	Performance analysis of modulating retro-reflector FSO communication systems over Málaga turbulence channels. <i>Optics Communications</i> , 2020, 474, 126160.	1.0	7
1254	Systematic engineering of a nanostructure plasmonic sensing platform for ultrasensitive biomaterial detection. <i>Optics Communications</i> , 2020, 474, 126178.	1.0	55
1255	Statistical Modeling and Analysis on the Confidentiality of Indoor VLC Systems. <i>IEEE Transactions on Wireless Communications</i> , 2020, 19, 4744-4757.	6.1	20

#	ARTICLE	IF	CITATIONS
1256	Tantalum($\langle \text{scpv} \rangle$) 1,3-propanediolate \hat{I}^2 -diketonate solution as a precursor to solâ€gel derived, metal oxide thin films. RSC Advances, 2020, 10, 13737-13748.	1.7	3
1257	Tunable all-optical format conversion for BPSK to OOK based on highly nonlinear optical loop mirror. Optics Communications, 2020, 473, 125907.	1.0	4
1258	Controllable gap in microsphere resonator integrated with a deformable ferrofluid droplet for magnetic field sensing. Optical Fiber Technology, 2020, 58, 102292.	1.4	5
1259	Fabrication and Experimental Analysis of Reduced Graphene Oxide Coated Etched Fiber Bragg Grating Refractometric Sensor. , 2020, 4, 1-4.		9
1260	Transmit laser selection for dual hop decode and forward UOWC cooperative communication. , 2020, , .		2
1261	Microwave Liquid Crystal Enabling Technology for Electronically Steerable Antennas in SATCOM and 5G Millimeter-Wave Systems. Crystals, 2020, 10, 514.	1.0	73
1262	Diffraction-induced enhancement of optical spin Hall effect in a dielectric grating. APL Photonics, 2020, 5, .	3.0	30
1263	Comparison of Laguerre-Gaussian, Hermiteâ€Gaussian and linearly polarized modes in SDM over FMF with electrical nonlinear equalizer. AIP Conference Proceedings, 2020, , .	0.3	5
1264	Two-Qubit Quantum State Sharing Protocol Based on Bell State. International Journal of Theoretical Physics, 2020, 59, 1844-1853.	0.5	6
1265	Controlling Rayleigh-Backscattering-Induced Distortion in Radio Over Fiber Systems for Radioastronomic Applications. Journal of Lightwave Technology, 2020, 38, 5393-5405.	2.7	11
1266	Optical Code Construction Based on Enhanced Quantum Logic Gate (EQLG)â€Technique for Spectral Amplitude Coding Optical CDMA Systems. Wireless Personal Communications, 2020, 113, 2587-2609.	1.8	9
1267	Hi-Bi Photonic Crystal Fiber for Broadband Filter Realization Using Copper Microwires. Plasmonics, 2020, 15, 1789-1797.	1.8	10
1268	Real Time Holographic 3D Video Interlacing. , 2020, , .		1
1269	Lattice based EPON energy-saving scheme analysis. Optical Fiber Technology, 2020, 57, 102243.	1.4	4
1270	Formation Mechanism of Self-Formed Triangular Pyramidal Patterns on Sapphire Substrate. Crystal Growth and Design, 2020, 20, 4811-4817.	1.4	4
1271	PWMâ€based dimmable hybrid optical OFDM for visibleâ€light communications. IET Communications, 2020, 14, 930-936.	1.5	5
1272	Residual Clipping Noise in Multi-Layer Optical OFDM: Modeling, Analysis, and Applications. IEEE Transactions on Wireless Communications, 2020, 19, 5846-5859.	6.1	4
1273	W-band PAM4 signal generation by a modulator driven by binary scheme with different driving voltage. Optics Communications, 2020, 473, 125995.	1.0	2

#	ARTICLE	IF	CITATIONS
1274	Partial relay selection for combating the effects of co-channel interference in RF/FSO cooperative relaying. <i>Optics Communications</i> , 2020, 475, 126186.	1.0	9
1275	Review on wavelength-tunable pulsed fiber lasers based on 2D materials. <i>Optics and Laser Technology</i> , 2020, 131, 106375.	2.2	39
1276	Performance of free space optical communication system based on M-ary PPM modulation over double generalized gamma channel. <i>China Communications</i> , 2020, 17, 19-30.	2.0	8
1277	Catalyst-Assisted Large-Area Growth of Single-Crystal $\text{In}_2\text{Ga}_2\text{O}_3$ Nanowires on Sapphire Substrates by Metal-Organic Chemical Vapor Deposition. <i>Nanomaterials</i> , 2020, 10, 1031.	1.9	13
1278	Cerebral Near Infrared Spectroscopy Monitoring in Term Infants With Hypoxic Ischemic Encephalopathy—A Systematic Review. <i>Frontiers in Neurology</i> , 2020, 11, 393.	1.1	35
1279	Numerical Study of Multilayer Planar Film Structures for Ideal Absorption in the Entire Solar Spectrum. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3276.	1.3	19
1280	Top 10 technologies for indoor positioning on construction sites. <i>Automation in Construction</i> , 2020, 118, 103309.	4.8	51
1281	Design of D-Shaped PCF-SPR sensor with dual coating of ITO and ZnO conducting metal oxide. <i>Optik</i> , 2020, 220, 165135.	1.4	46
1282	Study on the generation and influence factors of the new wavelength components in backscattering light of μ -OTDR. <i>Optics Communications</i> , 2020, 474, 126106.	1.0	3
1283	Multiple images encryption and authentication using cascaded phase encoding with random sparse constraint. <i>Laser Physics Letters</i> , 2020, 17, 045202.	0.6	2
1284	Design of Physical Layer Key Generation Encryption Method Using ACO-OFDM in VLC Networks. <i>IEICE Transactions on Communications</i> , 2020, E103.B, 969-978.	0.4	6
1285	Compact and low-power all-optical surface plasmon switches with isolated pump and data waveguides and a rectangular cavity containing nano-silver strips. <i>Superlattices and Microstructures</i> , 2020, 141, 106481.	1.4	28
1286	Direct Kerr frequency comb atomic spectroscopy and stabilization. <i>Science Advances</i> , 2020, 6, eaax6230.	4.7	49
1287	Ultra-compact spoof surface plasmon polariton waveguides and notch filters based on double-sided parallel-strip lines. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 265502.	1.3	13
1288	Silicon Quantum Dots: Synthesis, Encapsulation, and Application in Light-Emitting Diodes. <i>Frontiers in Chemistry</i> , 2020, 8, 191.	1.8	59
1289	Surface plasmon resonance sensor based on photonic crystal fiber with indium tin oxide film. <i>Optical Materials</i> , 2020, 102, 109800.	1.7	70
1290	Carrierless amplitude and phase modulation in wireless visible light communication systems. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190181.	1.6	14
1291	Recent Advances in Indoor Localization via Visible Lights: A Survey. <i>Sensors</i> , 2020, 20, 1382.	2.1	78

#	ARTICLE	IF	CITATIONS
1292	Novel high sensitivity SPR sensor based on surface plasmon resonance technology and IMI waveguide structure. Results in Physics, 2020, 17, 103049.	2.0	12
1293	Designing an ultra-fast all-optical full-adder based on nonlinear photonic crystal cavities. Optical and Quantum Electronics, 2020, 52, 1.	1.5	33
1294	Analysis of Multiple-Access Discrimination Techniques for the Development of a PSD-Based VLP System. Sensors, 2020, 20, 1717.	2.1	12
1295	Ultra-thin metamaterial perfect absorbers for single/dual/multi-band microwave applications. IET Microwaves, Antennas and Propagation, 2020, 14, 390-396.	0.7	58
1296	Handheld pocket-size Fourier transform profilometry using projector-enabled smartphone. Imaging Science Journal, 2020, 68, 69-75.	0.2	1
1297	Solution-processed two-dimensional materials for ultrafast fiber lasers (invited). Nanophotonics, 2020, 9, 2169-2189.	2.9	43
1298	Analysis of the eight parameter variation of the resonant tunneling diode (RTD) in the rapid thermal annealing process with resistance compensation effect. AIP Advances, 2020, 10, 035103.	0.6	2
1299	Enhancing the performance of blue quantum-dot light-emitting diodes through the incorporation of polyethylene glycol to passivate ZnO as an electron transport layer. RSC Advances, 2020, 10, 23121-23127.	1.7	18
1300	Design and Demonstration of Robust Visible Light Positioning Based on Received Signal Strength. Journal of Lightwave Technology, 2020, 38, 5695-5707.	2.7	30
1301	Generation and categories of solitons in various mode-locked fiber lasers. Optik, 2020, 220, 165168.	1.4	16
1302	Shadowing Effects on Indoor Visible Light Communication Channel Modeling. , 2020, , .		6
1303	Improved Performance of Passive-Matrix Micro-LED Displays Using a Multi-Function Passivation Structure. IEEE Photonics Journal, 2020, 12, 1-11.	1.0	8
1304	The Application of Augmented Reality in the Automotive Industry: A Systematic Literature Review. Applied Sciences (Switzerland), 2020, 10, 4259.	1.3	53
1305	Optimizing Crosstalk in Optical NoC through Heuristic Fusion Mapping. Electronics (Switzerland), 2020, 9, 1006.	1.8	3
1306	Design and analysis of spectral and energy efficient wireless communication networks. CSI Transactions on ICT, 2020, 8, 181-184.	0.7	5
1307	Application of deep neural network and deep reinforcement learning in wireless communication. PLoS ONE, 2020, 15, e0235447.	1.1	20
1308	Temperature-insensitive optical fiber reflective micro-liquid level sensor base on the drop shape quasi-Mach Zehnder interferometer. Optik, 2020, 216, 164893.	1.4	5
1309	Air-hole attributed performance of photonic crystal fiber-based SPR sensors. Sensing and Bio-Sensing Research, 2020, 29, 100364.	2.2	14

#	ARTICLE	IF	CITATIONS
1310	Application Research of High Temperature Silver Plating in Products. Materials Science Forum, 2020, 980, 70-78.	0.3	0
1311	Integration of Dimming into LiFi Systems. , 2020, , .		5
1312	Optical modulation at the interface between silicon and a phase change material. Optik, 2020, 209, 164585.	1.4	5
1313	Secrecy enhancement of RF backhaul system with parallel FSO communication link. Optics Communications, 2020, 475, 126193.	1.0	29
1314	Quantum dot light-emitting diodes as light sources in photomedicine: photodynamic therapy and photobiomodulation. JPhys Materials, 2020, 3, 032002.	1.8	17
1315	The detection of non-Gaussian vibration with improved sensing performance in $\hat{\rho}$ -OTDR. Optics Communications, 2020, 475, 126215.	1.0	4
1316	Non-Uniform Sampling Theory applied to Optical Feedback Interferometry for Displacement Sensors. , 2020, , .		1
1317	Performance Analysis of Dual-Hop Underwater Wireless Optical Communication Systems Over Mixture Exponential-Generalized Gamma Turbulence Channels. IEEE Transactions on Communications, 2020, 68, 5718-5731.	4.9	41
1318	A Microwave Frequency Measurement System Based on Si3N4 Ring-Assisted Mach-Zehnder Interferometer. IEEE Photonics Journal, 2020, 12, 1-13.	1.0	4
1319	Design of an ultrabroadband and compact filter based on square-lattice photonic crystal fiber with two large gold-coated air holes. Photonics and Nanostructures - Fundamentals and Applications, 2020, 41, 100816.	1.0	10
1320	Two-Frequency Initialization of the Upstream Central Wavelength in Transport WDM-PON Domain for 5G Mobile Radio Access Networks. , 2020, , .		0
1321	Optical Fiber FP Sensor for Simultaneous Measurement of Refractive Index and Temperature Based on the Empirical Mode Decomposition Algorithm. Sensors, 2020, 20, 664.	2.1	8
1322	Dual-chirp waveform generation and its TBWP improvement based on polarization modulation and phase coding. Optics Communications, 2020, 463, 125413.	1.0	3
1323	Design of Negative Curvature Hollow Core Fiber Based on Reinforcement Learning. Journal of Lightwave Technology, 2020, 38, 1959-1965.	2.7	19
1324	A hybrid meta-heuristic approach for optimization of routing and spectrum assignment in Elastic Optical Network (EON). Enterprise Information Systems, 2021, 15, 911-934.	3.3	3
1325	Miniature power and data transceiver based on multimodal operation of a single photovoltaic device. Engineering Research Express, 2020, 2, 015036.	0.8	6
1326	Characterization of Line-of-Sight Link Availability in Indoor Visible Light Communication Networks Based on the Behavior of Human Users. IEEE Access, 2020, 8, 39336-39348.	2.6	9
1327	A Multipurpose and Highly-Compact Plasmonic Filter Based on Metal-Insulator-Metal Waveguides. IEEE Photonics Journal, 2020, 12, 1-9.	1.0	40

#	ARTICLE	IF	CITATIONS
1328	A novel proposal for an all-optical 2-bit adder/subtractor based on photonic crystal ring resonators. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2020, 39, 100777.	1.0	11
1329	Does the existing liquid level measurement system cater the requirement of future generation?. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 156, 107594.	2.5	23
1330	A Silicon Photonic Data Link with a Monolithic Erbium-Doped Laser. <i>Scientific Reports</i> , 2020, 10, 1114.	1.6	27
1331	Ti ₂ CT _x (T=O, OH or F) Nanosheets as New Broadband Saturable Absorber for Ultrafast Photonics. <i>Journal of Lightwave Technology</i> , 2020, 38, 1975-1980.	2.7	37
1332	Adaptive repair algorithm for TORA routing protocol based on flood control strategy. <i>Computer Communications</i> , 2020, 151, 437-448.	3.1	78
1333	An all-optical half subtractor based on Kerr effect and photonic crystals. <i>Optik</i> , 2020, 207, 164424.	1.4	46
1334	Long Period Fiber Grating Sensors Fabricated by Electric Arc Discharge Technique. <i>Lecture Notes in Electrical Engineering</i> , 2020, , 395-402.	0.3	1
1335	Low-dimensional saturable absorbers for ultrafast photonics in solid-state bulk lasers: status and prospects. <i>Nanophotonics</i> , 2020, 9, 2603-2639.	2.9	24
1337	Mach-Zehnder interferometer cascaded with FBG for simultaneous measurement of RI and temperature. <i>Optics Communications</i> , 2020, 466, 125624.	1.0	23
1338	Ultrafast fiber laser based on HfSe ₂ saturable absorber. <i>Nanotechnology</i> , 2020, 31, 245204.	1.3	13
1339	2 λ -2-channel mode-wavelength division multiplexing in Ro-FSO system with PCF mode group demultiplexers and equalizers. <i>Optics Communications</i> , 2020, 467, 125539.	1.0	30
1340	Performance analysis of RoFSO links with spatial diversity over combined channel model for 5G in smart city applications. <i>Optics Communications</i> , 2020, 466, 125600.	1.0	22
1341	A novel PAPR reduction algorithm for DCO-OFDM/OQAM system in underwater VLC. <i>Optics Communications</i> , 2020, 463, 125449.	1.0	8
1342	The guided-mode expansion method in the calculate of dispersion of photonic band in symmetrical slabs composed by square lattices. <i>Optik</i> , 2020, 206, 164323.	1.4	1
1343	Photonic multiple millimeter wave signal generation and distribution over reconfigurable hybrid SSMF/FSO links. <i>Optical Fiber Technology</i> , 2020, 54, 102085.	1.4	12
1344	Mode-locked erbium-doped fiber laser via evanescent field interaction with indium tin oxide. <i>Optical Fiber Technology</i> , 2020, 55, 102124.	1.4	15
1345	Optical Wireless Hybrid Networks: Trends, Opportunities, Challenges, and Research Directions. <i>IEEE Communications Surveys and Tutorials</i> , 2020, 22, 930-966.	24.8	167
1346	Comment on "Design and Characterization of an Ultrabroadband Metamaterial Microwave Absorber". <i>IEEE Photonics Journal</i> , 2020, 12, 1-4.	1.0	8

#	ARTICLE	IF	CITATIONS
1347	Analysis of Dual-Channel Simultaneous Detection of Photonic Crystal Fiber Sensors. <i>Plasmonics</i> , 2020, 15, 1071-1076.	1.8	52
1348	Ultralow-noise photonic microwave synthesis using a soliton microcomb-based transfer oscillator. <i>Nature Communications</i> , 2020, 11, 374.	5.8	97
1349	Interleaved Subwavelength Gratings Strip Waveguide Based TM Pass Polarizer on SOI Platform. <i>IEEE Photonics Journal</i> , 2020, 12, 1-10.	1.0	11
1350	The Simulation of a Surface Plasmon Resonance Metallic Grating for Maximizing THz Sensitivity in Refractive Index Sensor Application. <i>International Journal of Optics</i> , 2020, 2020, 1-8.	0.6	14
1351	Surface plasmon induced broadband single-polarization filter based on high birefringence photonic crystal fiber. <i>Optik</i> , 2020, 206, 164255.	1.4	8
1352	An active and passive dual-loss Q-switched intracavity OPO based on few-layer WS ₂ saturable absorber. <i>Optical Materials</i> , 2020, 100, 109700.	1.7	3
1353	Ultra-fast all optical decoder using photonic crystal based nonlinear ring resonators. <i>Optical and Quantum Electronics</i> , 2020, 52, 1.	1.5	9
1354	Comparative Study of Compressed Sensing for Heart Sound Acquisition in Wireless Body Sensor Networks. <i>IEEE Access</i> , 2020, 8, 22483-22492.	2.6	10
1355	Indoor Real-Time 3-D Visible Light Positioning System Using Fingerprinting and Extreme Learning Machine. <i>IEEE Access</i> , 2020, 8, 13875-13886.	2.6	37
1356	Theoretical Analysis of the Underwater Incremental Adaptive Network Performance Based on the VLC Technology. <i>Wireless Personal Communications</i> , 2020, 113, 17-32.	1.8	4
1357	Fluid-controlled stable single longitudinal mode microcavity laser based on an antiresonant hollow-core fiber. <i>Laser Physics Letters</i> , 2020, 17, 025101.	0.6	6
1358	Metal-Insulator-Semiconductor-Metal $\mu\text{-Ga}_2\text{O}_3$ Solar-Blind Photodetectors with a Record-High Responsivity Rejection Ratio and Their Gain Mechanism. <i>ACS Photonics</i> , 2020, 7, 812-820.	3.2	152
1359	Hybrid RF/VLC Network Architecture for the Internet of Things. <i>Sensors</i> , 2020, 20, 478.	2.1	27
1360	Novel suboptimal approaches for hyperparameter tuning of deep neural network [under the shelf of optical communication]. <i>Physical Communication</i> , 2020, 41, 101057.	1.2	31
1361	A Wavelength Demultiplexing Structure Based on the Multi-Teeth-Shaped Plasmonic Waveguide Structure. <i>Plasmonics</i> , 2020, 15, 1403-1409.	1.8	9
1362	Vanadium-Oxide-Based Thin Films with Ultra-High Thermo-Optic Coefficients at 1550 nm and 2000 nm Wavelengths. <i>Materials</i> , 2020, 13, 2002.	1.3	1
1363	Relaxation of the Radio-Frequency Linewidth for Coherent-Optical Orthogonal Frequency-Division Multiplexing Schemes by Employing the Improved Extreme Learning Machine. <i>Symmetry</i> , 2020, 12, 632.	1.1	13
1364	Performance analysis of slot waveguide using aluminum nitride in slot region. <i>Optical and Quantum Electronics</i> , 2020, 52, 1.	1.5	9

#	ARTICLE	IF	CITATIONS
1365	Comparative Study on Transmission Mechanisms in a SMF-Capillary-SMF Structure. <i>Journal of Lightwave Technology</i> , 2020, , 1-1.	2.7	15
1366	Study on multi-time reflection induced by in-line fiber connector in engineering applied distributed single-fiber interferometer sensing system. <i>Microwave and Optical Technology Letters</i> , 2020, 62, 3014-3022.	0.9	3
1367	Performance Analysis of Opportunistic, Reactive and Partial Relay Selection with Adaptive Transmit Power for Cognitive Radio Networks. <i>Wireless Personal Communications</i> , 2020, 112, 305-324.	1.8	0
1368	Surface plasmon resonance sensor based on a D-shaped photonic crystal fiber for high and low refractive index detection. <i>Optik</i> , 2020, 212, 164697.	1.4	21
1369	A visually secure image encryption scheme based on semi-tensor product compressed sensing. <i>Signal Processing</i> , 2020, 173, 107580.	2.1	95
1370	Technologies for future wavelength division multiplexing passive optical networks. <i>IET Optoelectronics</i> , 2020, 14, 53-57.	1.8	8
1371	High-Accuracy Robot Indoor Localization Scheme Based on Robot Operating System Using Visible Light Positioning. <i>IEEE Photonics Journal</i> , 2020, 12, 1-16.	1.0	78
1372	Toward Long-Distance Underwater Wireless Optical Communication Based on A High-Sensitivity Single Photon Avalanche Diode. <i>IEEE Photonics Journal</i> , 2020, 12, 1-10.	1.0	29
1373	A Design of Taper-Like Etched Multicore Fiber Refractive Index-Insensitive a Temperature Highly Sensitive Mach-Zehnder Interferometer. <i>IEEE Sensors Journal</i> , 2020, 20, 7074-7081.	2.4	29
1374	Design and Performance Evaluation of Large-Scale VLC-Based Indoor Positioning Systems Under Impact of Receiver Orientation. <i>IEEE Access</i> , 2020, 8, 61891-61904.	2.6	15
1375	Carrier Beating Impairment in Weakly Coupled Multicore Fiber-Based IM/DD Systems. <i>IEEE Access</i> , 2020, 8, 65699-65710.	2.6	4
1376	Etched Silicon-on-Insulator Microring Resonator for Ultrasound Measurement. <i>IEEE Photonics Journal</i> , 2020, 12, 1-9.	1.0	8
1377	All-Fiber High Power Supercontinuum Generation by Cascaded Photonic Crystal Fibers Ranging From 370 nm to 2400 nm. <i>IEEE Photonics Journal</i> , 2020, 12, 1-8.	1.0	5
1378	A Nonintrusive Magnetically Coupled Sensor for Measuring Liquid Level. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 7716-7724.	2.4	13
1379	Low-complexity compensation of sampling offset with cross-correlation and early-late gate for OFDM receivers. <i>Journal of Computational Methods in Sciences and Engineering</i> , 2020, 20, 827-837.	0.1	0
1380	Comparison between Linear and Branched Polyethylenimine and Reduced Graphene Oxide Coatings as a Capture Layer for Micro Resonant CO ₂ Gas Concentration Sensors. <i>Sensors</i> , 2020, 20, 1824.	2.1	12
1381	Design and Implementation of the MIMO-COOK Scheme Using an Image Sensor for Long-Range Communication. <i>Sensors</i> , 2020, 20, 2258.	2.1	18
1382	Nonlinear Optics in Dielectric Guided-Mode Resonant Structures and Resonant Metasurfaces. <i>Micromachines</i> , 2020, 11, 449.	1.4	15

#	ARTICLE	IF	CITATIONS
1383	Improve The Capacity Of Data Transmission In Orbital Angular Momentum Multiplexing By Adjusting Link Structure. IEEE Photonics Journal, 2020, 12, 1-11.	1.0	5
1384	Enhancing the spectral efficiency and energy efficiency of underwater channel communication by optimal cooperative spectrum sensing using hybrid optimization. International Journal of Communication Systems, 2020, 33, e4417.	1.6	2
1385	Growth, transfer printing and colour conversion techniques towards full-colour micro-LED display. Progress in Quantum Electronics, 2020, 71, 100263.	3.5	193
1386	Visible light communication with efficient far-red/near-infrared polymer light-emitting diodes. Light: Science and Applications, 2020, 9, 70.	7.7	97
1387	Wideband tunable microwave signal generation in a silicon-micro-ring-based optoelectronic oscillator. Scientific Reports, 2020, 10, 6982.	1.6	25
1388	Stripe non-uniformity correction of infrared images using parameter estimation. Infrared Physics and Technology, 2020, 107, 103313.	1.3	12
1389	Ultra-high responsivity ($>12.34 \text{ kA W}^{-1}$) of GaIn bimetallic oxide nanowires based deep-UV photodetector. Nanotechnology, 2020, 31, 304001.	1.3	12
1390	Monitoring Vehicles on Highway by Dual-Channel μ -OTDR. Applied Sciences (Switzerland), 2020, 10, 1839.	1.3	11
1391	Underwater Optical Wireless Communications: Overview. Sensors, 2020, 20, 2261.	2.1	153
1392	A high sensitivity optical fiber strain sensor based on hollow core tapering. Optical Fiber Technology, 2020, 56, 102179.	1.4	36
1393	Tunable balanced liquid crystal phase shifter based on spoof surface plasmon polaritons with common-mode suppression. Liquid Crystals, 2020, 47, 1612-1623.	0.9	5
1394	Review on plasmon induced transparency based on metal-dielectric-metal waveguides. Journal of Central South University, 2020, 27, 698-710.	1.2	4
1395	Improved Photoresponse of UV Photodetectors by the Incorporation of Plasmonic Nanoparticles on GaN Through the Resonant Coupling of Localized Surface Plasmon Resonance. Nano-Micro Letters, 2020, 12, 91.	14.4	68
1396	All-optical fiber modulator with a graphene interlayer. Optics Communications, 2020, 469, 125817.	1.0	9
1397	All-solid-state mode-locked 1064 nm Nd:YVO ₄ laser with Fe ₃ O ₄ nanoparticles saturable absorber. Optics Communications, 2020, 473, 125979.	1.0	6
1398	Phase sensitive, all-optical and self-integrated multi-logic AND, OR, XOR, and NOT gates. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126432.	0.9	8
1399	Spatial-frequency multiplexing of high-sensitivity liquid level sensors based on multimode interference micro-fibers. Sensors and Actuators A: Physical, 2020, 307, 111985.	2.0	10
1400	Analytical design of tunable THz refractive index sensor for TE and TM modes using graphene disks. Journal Physics D: Applied Physics, 2020, 53, 295107.	1.3	48

#	ARTICLE	IF	CITATIONS
1401	Ultra-Wide and Flattened Optical Frequency Comb Generation Based on Cascaded Phase Modulator and LiNbO ₃ -MZM Offering Terahertz Bandwidth. IEEE Access, 2020, 8, 76692-76699.	2.6	18
1402	Highly Efficient Full-Duplex Coherent Optical System Enabled by Combined Use of Optical Injection Locking and Frequency Comb. Journal of Lightwave Technology, 2021, 39, 1271-1277.	2.7	8
1403	All Optical BPSK Demodulator Using Photonic Crystal Based Coupled Waveguides. Journal of Optical Communications, 2021, 42, 211-215.	4.0	8
1404	A Proposal for All Optical XNOR Gate Using Photonic Crystal Based Nonlinear Cavities. Journal of Optical Communications, 2021, 42, 225-228.	4.0	11
1405	Comparison of DCO-OFDM, ADO-OFDM, HDC-OFDM and HNC-OFDM for Optical Wireless Communications. Journal of Optical Communications, 2021, 42, 325-340.	4.0	6
1406	Ultra-fast all-optical full-adder based on nonlinear photonic crystal resonant cavities. Photonic Network Communications, 2021, 41, 93-101.	1.4	15
1407	Band-edge-enhanced tunable random laser using a polymer-stabilised cholesteric liquid crystal. Liquid Crystals, 2021, 48, 255-262.	0.9	11
1408	A Multiple Section Model of Stray Current of DC Metro Systems. IEEE Transactions on Power Delivery, 2021, 36, 1582-1593.	2.9	33
1409	Cryptanalysis and improvement of "Game theoretic security of quantum bit commitment". Information Sciences, 2021, 543, 106-111.	4.0	1
1410	PCB prism absorber design and characterisation. Journal of Electromagnetic Waves and Applications, 2021, 35, 27-38.	1.0	0
1411	Optimal design of chiral metamaterials with prescribed nonlinear properties. Structural and Multidisciplinary Optimization, 2021, 63, 595-611.	1.7	5
1412	Strategies for reduction of graphene oxide " A comprehensive review. Chemical Engineering Journal, 2021, 405, 127018.	6.6	252
1413	Sapphire Fabry-Perot Pressure Sensor at High Temperature. IEEE Sensors Journal, 2021, 21, 1596-1602.	2.4	12
1414	Design of a graphene-based silicon nitride multimode waveguide-integrated electro-optic modulator. Optics Communications, 2021, 481, 126531.	1.0	14
1415	A highly sensitive plasmonic refractive index sensor based on triangular resonator. Optics Communications, 2021, 483, 126634.	1.0	47
1416	Plasmonic modulator utilizing graphene-HfO ₂ -ITO stack embedded in the silicon waveguide. Optik, 2021, 227, 165608.	1.4	8
1417	Cluster analysis based fringe-activity range detector. Optics Communications, 2021, 483, 126626.	1.0	2
1418	A photonic crystal sensor array side-coupled to a linear waveguide with enhanced bandwidth. Optics Communications, 2021, 483, 126640.	1.0	2

#	ARTICLE	IF	CITATIONS
1419	Design and analysis of a new compact all-optical full-adder based on photonic crystals. <i>Optik</i> , 2021, 227, 166107.	1.4	17
1420	Fourier transform infrared nano-spectroscopy: Mechanism and applications. <i>Applied Spectroscopy Reviews</i> , 2021, 56, 531-552.	3.4	14
1421	Statistical-QoS Guarantee for IoT Network Driven by Laser-Powered UAV Relay and RF Backscatter Communications. <i>IEEE Transactions on Green Communications and Networking</i> , 2021, 5, 406-425.	3.5	25
1422	Single-Polarization Single-Mode Photonic Crystal Fibers With Uniformly Sized Air Holes. <i>Journal of Lightwave Technology</i> , 2021, 39, 620-626.	2.7	10
1423	Advanced Spatial Modulation Systems. <i>Signals and Communication Technology</i> , 2021, , .	0.4	6
1424	High sensitivity open-cavity Mach-Zehnder interferometer based on no-core fiber for seawater salinity measurement. <i>Optik</i> , 2021, 227, 165954.	1.4	11
1425	Lithium Niobate Fabry-Perot microcavity based on strip loaded waveguides. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2021, 43, 100886.	1.0	7
1426	A simple multifunctional broadband dispersion compensation and frequency conversion scheme by utilizing a polarization division multiplexing dual-parallel Mach-Zehnder modulator. <i>Optics and Lasers in Engineering</i> , 2021, 137, 106332.	2.0	2
1427	Isolator-free unidirectional dual-wavelength thulium-doped fiber laser assisted by a two-mode fiber filter. <i>Optics and Laser Technology</i> , 2021, 134, 106638.	2.2	14
1428	AlGaIn-based ultraviolet light-emitting diodes: challenges and opportunities. <i>Luminescence</i> , 2021, 36, 294-305.	1.5	21
1429	Ergothioneine, a dietary amino acid with a high relevance for the interpretation of label-free surface enhanced Raman scattering (SERS) spectra of many biological samples. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 246, 119024.	2.0	20
1430	Review on Metamaterial Perfect Absorbers and Their Applications to IoT. <i>IEEE Internet of Things Journal</i> , 2021, 8, 4105-4131.	5.5	48
1431	SI-POF Supporting Power-Over-Fiber in Multi-Gbit/s Transmission for In-Home Networks. <i>Journal of Lightwave Technology</i> , 2021, 39, 112-121.	2.7	26
1432	Ultrasensitive Fabry-Perot Strain Sensor Based on Vernier Effect and Tapered FBG-in-Hollow Silica Tube. <i>IEEE Sensors Journal</i> , 2021, 21, 3035-3041.	2.4	20
1433	Accurate Visible Light Positioning Using Multiple-Photodiode Receiver and Machine Learning. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-12.	2.4	38
1434	Radio-over-free space optical space division multiplexing system using 3-core photonic crystal fiber mode group multiplexers. <i>Wireless Networks</i> , 2021, 27, 211-225.	2.0	21
1435	A Novel Hybrid Plasmonic Resonator With High Quality Factor and Large Free Spectral Range. <i>IEEE Sensors Journal</i> , 2021, 21, 1644-1654.	2.4	4
1436	SNR Enhancement of Far-End Disturbances on Distributed Sensor Based on Phase-Sensitive Optical Time-Domain Reflectometry. <i>IEEE Sensors Journal</i> , 2021, 21, 1957-1964.	2.4	7

#	ARTICLE	IF	CITATIONS
1437	Few-layer TaSe ₂ as a saturable absorber for passively Q-switched erbium-doped fiber lasers. <i>Optical Materials Express</i> , 2021, 11, 385.	1.6	18
1438	Recent research and advances of material-based saturable absorber in mode-locked fiber laser. <i>Optics and Laser Technology</i> , 2021, 137, 106826.	2.2	24
1439	Numerical studies of the operating regimes of a passively mode-locked Thulium doped fiber laser. <i>OSA Continuum</i> , 2021, 4, 2193.	1.8	3
1440	Recent Progress of Two-Dimensional Materials for Ultrafast Photonics. <i>Nanomaterials</i> , 2021, 11, 1778.	1.9	31
1441	A 1.0-Åμm pulsed generation in ytterbium-doped fiber laser with Gadolinium oxide as a saturable absorber. <i>Optics and Laser Technology</i> , 2021, 141, 107149.	2.2	1
1442	Nonlinear optical absorption properties of zirconium selenide in generating dark soliton and dark-bright soliton pairs. <i>Applied Optics</i> , 2020, 59, 396.	0.9	21
1443	Nonlinear optical characteristics of ZrSe ₂ and its application for designing multi-wavelength mode-locked operations. <i>Applied Optics</i> , 2020, 59, 4806.	0.9	6
1444	Ultrafast pulse generation based on the 2D analogue of black phosphorus-GeS. <i>OSA Continuum</i> , 2020, 3, 658.	1.8	7
1445	Recent progress on applications of 2D material-decorated microfiber photonic devices in pulse shaping and all-optical signal processing. <i>Nanophotonics</i> , 2020, 9, 2641-2671.	2.9	21
1446	Novel layered 2D materials for ultrafast photonics. <i>Nanophotonics</i> , 2020, 9, 1743-1786.	2.9	27
1447	Ultrafast pulse lasers based on two-dimensional nanomaterials. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2019, 68, 188101.	0.2	12
1448	Influence of spectral filtering on mode-locking operation of figure-eight Er-doped fiber laser. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2019, 68, 064206.	0.2	0
1449	Passively Q-Switched Erbium-Doped Fiber Laser with TiSe ₂ as Saturable Absorber. <i>Optics and Photonics Journal</i> , 2020, 10, 251-263.	0.3	1
1450	2D van der Waals materials for ultrafast pulsed fiber lasers: review and prospect. <i>Nanotechnology</i> , 2022, 33, 082003.	1.3	11
1451	Passively Mode-Locked Er-Doped Fiber Laser Based on Sb ₂ S ₃ -PVA Saturable Absorber. <i>Molecules</i> , 2022, 27, 745.	1.7	3
1452	Passively Q-switched Tm:YAP laser based on SnS ₂ saturable absorber. <i>Optik</i> , 2022, 264, 169421.	1.4	7
1453	Stable and high energy ytterbium-doped mode-locked fiber laser based on a franckeite-polymer film modulator. <i>Optical Materials Express</i> , 2022, 12, 2844.	1.6	2
1454	Passively Q-switched and mode-locked pulses in erbium-doped fiber laser based on Cr ₂ Ge ₂ Te ₆ saturable absorber. <i>Journal of Luminescence</i> , 2022, 252, 119366.	1.5	3

#	ARTICLE	IF	CITATIONS
1455	Passively mode-locked fiber laser based on GeTe as a saturable absorber. Applied Optics, 2022, 61, 9379.	0.9	1