

# Ping Shum

## List of Publications by Year in descending order

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851  
papers

15,446  
citations

20817

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Sensitivity Enhanced Refractive Index Sensor With In-Line Fiber Mach-Zehnder Interferometer Based on Double-Peanut and Er-Doped Fiber Taper Structure. <i>Journal of Lightwave Technology</i> , 2022, 40, 245-251.	4.6	16
2	PCF based surface plasmon resonance temperature sensor with ultrahigh sensitivity. <i>Optik</i> , 2022, 250, 168345.	2.9	10
3	Optical curvature sensor with high resolution based on in-line fiber Mach-Zehnder interferometer and microwave photonic filter. <i>Optics Express</i> , 2022, 30, 5402.	3.4	15
4	High-Q-factor phase-shifted helical fiber Bragg grating by one-step femtosecond laser inscription for high-temperature sensing. <i>Optics Letters</i> , 2022, 47, 1407.	3.3	4
5	Fiber Optic Electric Field Intensity Sensor Based on Liquid Crystal-Filled Photonic Crystal Fiber Incorporated Ring Laser. <i>IEEE Photonics Journal</i> , 2022, 14, 1-5.	2.0	5
6	Real-Time Multi-Class Disturbance Detection for $\hat{I}$ -OTDR Based on YOLO Algorithm. <i>Sensors</i> , 2022, 22, 1994.	3.8	19
7	Hydrazone organics with third-order nonlinear optical effect for femtosecond pulse generation and control in the L-band. <i>Optics and Laser Technology</i> , 2022, 151, 108016.	4.6	40
8	Time-slot multiplexing based bandwidth enhancement for fiber distributed acoustic sensing. <i>Science China Information Sciences</i> , 2022, 65, 1.	4.3	9
9	Dynamics of cavity soliton driven by chirped optical pulses in Kerr resonators. <i>Frontiers of Optoelectronics</i> , 2022, 15, 1.	3.7	6
10	Polarization-decoupled cavity solitons generation in Kerr resonators with flattened near-zero dispersion. <i>Optics Express</i> , 2022, 30, 20767.	3.4	2
11	Manipulation of Kerr cavity solitons based on projected super-position technique. <i>Optics Communications</i> , 2022, 520, 128462.	2.1	1
12	Ultra-low sampling resolution technique for heterodyne phase-OTDR based distributed acoustic sensing. <i>Optics Letters</i> , 2022, 47, 3379.	3.3	8
13	High-Capacity Iron-Based Anodes for Aqueous Secondary Nickel-Iron Batteries: Recent Progress and Prospects. <i>ChemElectroChem</i> , 2021, 8, 274-290.	3.4	23
14	Numerical Investigation of All-Optical Manipulation for Polarization-Multiplexed Cavity Solitons. <i>Journal of Lightwave Technology</i> , 2021, 39, 582-591.	4.6	6
15	Vector soliton generation from a compact all-polarization-maintaining fiber laser. <i>Laser Physics Letters</i> , 2021, 18, 025103.	1.4	4
16	Temperature Sensor Based on Er-Doped Cascaded-Peanut Taper Structure In-Line Interferometer in Fiber Ring Laser. <i>IEEE Sensors Journal</i> , 2021, 21, 21594-21599.	4.7	13
17	Ultrasensitive Exhaled Breath Sensors Based on Anti-Resonant Hollow Core Fiber with In Situ Grown ZnO <sub>2</sub> Nanosheets. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001978.	3.7	61
18	Manipulation of Soliton Bunches Generated From a Polarization-Route-Assisted Vector Fiber Laser. <i>IEEE Photonics Journal</i> , 2021, 13, 1-8.	2.0	6

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19	Plasmonically enhanced photoluminescence of monolayer MoS <sub>2</sub> via nanosphere lithography-templated gold metasurfaces. <i>Nanophotonics</i> , 2021, 10, 1733-1740.	6.0	14
20	Recent Advancement of Anti-Resonant Hollow-Core Fibers for Sensing Applications. <i>Photonics</i> , 2021, 8, 128.	2.0	26
21	Low-cost compressive sensing imaging based on spectrum-encoded time-stretch structure. <i>Optics Express</i> , 2021, 29, 14931.	3.4	7
22	Ultrasensitive Broadband Refractometer Based on Single Stress-Appling Fiber at Dispersion Turning Point. <i>Journal of Lightwave Technology</i> , 2021, 39, 2528-2535.	4.6	13
23	In-Fiber Mach-Zehnder Interferometer Sensor Based on Er Doped Fiber Peanut Structure in Fiber Ring Laser. <i>Journal of Lightwave Technology</i> , 2021, 39, 3350-3357.	4.6	27
24	Internal motions of harmonically mode-locked soliton molecules in a NPR based fiber laser. <i>Optics Communications</i> , 2021, 486, 126790.	2.1	11
25	Near-infrared long-range surface plasmon resonance in a D-shaped honeycomb microstructured optical fiber coated with Au film. <i>Optics Express</i> , 2021, 29, 16455.	3.4	11
26	Recent Advances and Prospects of Fiber-Shaped Rechargeable Aqueous Alkaline Batteries. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100060.	5.8	5
27	Design of highly sensitive interferometric sensors based on subwavelength grating waveguides operating at the dispersion turning point. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, 2680.	2.1	7
28	Sensitivity Enhanced Refractive Index Fiber Sensor Based on Long-Range Surface Plasmon Resonance in SiO <sub>2</sub> -Au-TiO <sub>2</sub> Heterostructure. <i>Photonics</i> , 2021, 8, 379.	2.0	8
29	Highly Stable and Precise Demodulation of an FBG-Based Optical Current Sensor Using a Dual-Loop Optoelectronic Oscillator. <i>Journal of Lightwave Technology</i> , 2021, 39, 5962-5972.	4.6	15
30	Performance Enhancement of Opened Resonance Photoacoustic Cells Based on Three Dimensional Topology Optimization. <i>Photonics</i> , 2021, 8, 380.	2.0	2
31	Bubble microcavity strain and gravity sensor with temperature and bending insensitivity using an ultra-thin core optical fiber. <i>Optics and Laser Technology</i> , 2021, 142, 107193.	4.6	16
32	High sensitivity liquid level sensor based on a hollow core fiber structure. <i>Optics Communications</i> , 2021, 499, 127279.	2.1	8
33	In-Fiber Mach-Zehnder Interferometer Based on Er Doped Up-Taper and Peanut-Shaped Fiber Structure in Fiber Ring Laser. <i>IEEE Access</i> , 2021, 9, 128126-128132.	4.2	6
34	Temperature-Insensitive Glucose sensor with Fiber Ring Laser inserted by 45° Tilted Fiber Bragg Grating. , 2021, , .		1
35	Modeling analysis of vortex beams propagation through a merged atmospheric turbulence and aerosol medium. , 2021, , .		0
36	A compressive sensing single pixel imaging system using in-fiber grating. , 2021, , .		1

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37	High-Capacity Iron-Based Anodes for Aqueous Secondary Nickel-Iron Batteries: Recent Progress and Prospects. ChemElectroChem, 2021, 8, 273-273.	3.4	2
38	Tunable Electro-Optical and Thermal Optical Modulator Based on a Liquid Crystal-Filled Side Hole Fiber in Fiber Ring Laser. IEEE Sensors Journal, 2021, 21, 27510-27517.	4.7	5
39	Highly efficient single-pixel imaging system based on the STEAM structure. Optics Express, 2021, 29, 43203.	3.4	6
40	Spatial Multiplexing Cavity Solitons in a Monochromatically Driven Kerr Resonator. , 2021, , .		0
41	Self-Correcting Recurrent Neural Network for Acute Kidney Injury Prediction in Critical Care. Health Data Science, 2021, 2021, .	2.3	4
42	Research on Fabrication and Sensing Properties of Fiber-Coupled Whispering Gallery Mode Microsphere Resonator. IEEE Sensors Journal, 2020, 20, 833-841.	4.7	17
43	Coexistence of soliton singlets and molecules in a dual-wavelength mode-locked fiber laser. Optics Communications, 2020, 457, 124700.	2.1	25
44	Design of germanium-silicon carbide hybrid waveguides for mid-infrared third-order parametric conversion. Optics Communications, 2020, 456, 124668.	2.1	1
45	Highly Sensitive Polarimetric Sensor Based on Fano Resonance for DNA Hybridization Detection. Plasmonics, 2020, 15, 769-781.	3.4	6
46	Ultra-High Sensitive Quasi-Distributed Acoustic Sensor Based on Coherent OTDR and Cylindrical Transducer. Journal of Lightwave Technology, 2020, 38, 929-938.	4.6	68
47	Thermally drawn advanced functional fibers: New frontier of flexible electronics. Materials Today, 2020, 35, 168-194.	14.2	153
48	Numerical investigation of efficient mid-infrared supercontinuum generation and cavity soliton generation based on flattened near-zero dispersion fiber. Laser Physics, 2020, 30, 085105.	1.2	1
49	Bragg Grating Assisted Sagnac Interferometer in SiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> -La <sub>2</sub> O <sub>3</sub> Polarization-Maintaining Fiber for Strain-Temperature Discrimination. Sensors, 2020, 20, 4772.	3.8	5
50	Helical long-period grating on multicore fiber for refractive index sensing. , 2020, , .		1
51	Enhancing the Physical Layer Security of OFDM-PONs With Hardware Fingerprint Authentication: A Machine Learning Approach. Journal of Lightwave Technology, 2020, 38, 3238-3245.	4.6	33
52	Mid-infrared high repetition mode-locked laser based on cross-band all-optical injection modulation. Laser Physics Letters, 2020, 17, 065101.	1.4	0
53	Capillary Fiber Bragg Grating Fabricated by Femtosecond Laser for Sensing Applications. IEEE Photonics Technology Letters, 2020, 32, 783-786.	2.5	3
54	Anomalous Sensitivity Enhancement of D-Shaped Fiber-Based Sandwiched Structure Optofluidic Sensor. IEEE Access, 2020, 8, 105207-105216.	4.2	4

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55	Breathing Dynamics in a Gain-Guided Dissipative Soliton-Similariton Fiber Laser. IEEE Photonics Technology Letters, 2020, 32, 481-484.	2.5	2
56	Rational Construction of Self-Standing Sulfur-Doped Fe <sub>2</sub> O <sub>3</sub> Anodes with Promoted Energy Storage Capability for Wearable Aqueous Rechargeable NiCoFe Batteries. Advanced Energy Materials, 2020, 10, 2001064.	19.5	39
57	Simultaneous Mid-Infrared Gas Sensing and Upconversion Based on Third Harmonic Generation in Cascaded Waveguides. IEEE Photonics Journal, 2020, 12, 1-12.	2.0	6
58	All-Metal Phosphide Electrodes for High-Performance Quasi-Solid-State Fiber-Shaped Aqueous Rechargeable NiFe Batteries. ACS Applied Materials & Interfaces, 2020, 12, 12801-12808.	8.0	30
59	Vectorial Nature in Nonlinear Multimode Interference Based Ultrafast Fiber Lasers. IEEE Photonics Journal, 2020, 12, 1-10.	2.0	12
60	Investigation of a Bragg Grating-Based Fabry-Perot Structure Inscribed Using Femtosecond Laser Micromachining in an Adiabatic Fiber Taper. Applied Sciences (Switzerland), 2020, 10, 1069.	2.5	9
61	An ultrahighly sensitive photonic crystal fiber based surface plasmon resonance sensor. Optik, 2020, 212, 164649.	2.9	13
62	Planar nonlinear metasurface optics and their applications. Reports on Progress in Physics, 2020, 83, 126101.	20.1	22
63	Design of an arbitrary ratio optical power splitter based on a discrete differential multiobjective evolutionary algorithm. Applied Optics, 2020, 59, 1780.	1.8	11
64	Design and analysis of slow-light Bloch slot waveguides for on-chip gas sensing. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 257.	2.1	13
65	Stationary and pulsating vector dissipative solitons in nonlinear multimode interference based fiber lasers. Optics Express, 2020, 28, 4216.	3.4	27
66	Single-axis soliton molecule and multiple solitons generation from a vector fiber laser. Optics Express, 2020, 28, 5212.	3.4	13
67	Highly efficient free-space fiber coupler with 45° tilted fiber grating to access remotely placed optical fiber sensors. Optics Express, 2020, 28, 16569.	3.4	25
68	Study on the dual-Fano resonance generation and its potential for self-calibrated sensing. Optics Express, 2020, 28, 23703.	3.4	13
69	High-resolution, large-dynamic-range multimode interferometer sensor based on a suspended-core microstructured optical fiber. Optics Letters, 2020, 45, 1017.	3.3	9
70	Experimental observation of shaking soliton molecules in a dispersion-managed fiber laser. Optics Letters, 2020, 45, 1551.	3.3	33
71	Strain sensitivity enhancement based on periodic deformation in hollow core fiber. Optics Letters, 2020, 45, 3997.	3.3	13
72	All-fiber online Raman sensor with enhancement via a Fabry-Perot cavity. Optics Letters, 2020, 45, 5760.	3.3	5

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73	Real-time dynamics of soliton triplets in fiber lasers. <i>Photonics Research</i> , 2020, 8, 884.	7.0	41
74	Pulsating internal oscillation of soliton molecules in passively mode-locked fiber lasers. , 2020, , .		0
75	Transition dynamics of soliton molecules in passively mode- locked fiber lasers. , 2020, , .		0
76	Highly sensitive bending sensor based on a tapered hollow core microstructured optical fiber. , 2020, , .		0
77	Two-core photonic crystal fiber with selective liquid infiltration in the central air hole for temperature sensing. <i>OSA Continuum</i> , 2020, 3, 2264.	1.8	1
78	Cellular-resolution in vivo tomography in turbid tissue through digital aberration correction. <i>PhotonIX</i> , 2020, 1, .	13.5	7
79	Carbon-steel tube surface mounted FBG sensors under high-temperature environment, part I: Polyimide coated and femtosecond laser written. , 2020, , .		2
80	Carbon-steel tube surface mounted FBG sensors under high-temperature environment, part II: Gold coated and femtosecond laser written. , 2020, , .		0
81	Experimental Investigation of Bending Sensor Based on Helical Structure in Hollow Core Fiber. , 2020, , .		1
82	Scalar and Vector Solitons in a Bidirectional Mode-Locked Fibre Laser. <i>Journal of Lightwave Technology</i> , 2019, 37, 5108-5114.	4.6	10
83	Fundamental and Third Harmonic Mode Coupling Induced Single Soliton Generation in Kerr Microresonators. <i>Journal of Lightwave Technology</i> , 2019, 37, 5531-5536.	4.6	13
84	Review on Photonic Crystal Fibers With Hybrid Guiding Mechanisms. <i>IEEE Access</i> , 2019, 7, 67469-67482.	4.2	17
85	Liquid Core Fiber Interferometer for Simultaneous Measurement of Refractive Index and Temperature. <i>IEEE Photonics Technology Letters</i> , 2019, 31, 189-192.	2.5	22
86	Dual-wavelength Mode-locked Fiber Laser Emitting Soliton Singlets and Molecules. , 2019, , .		0
87	CFBG-Based Bidirectional Mode-Locked Fiber Laser Emitting Conventional and Dissipative Solitons. <i>IEEE Photonics Technology Letters</i> , 2019, 31, 1737-1740.	2.5	4
88	One-step synthesis of cyclodextrin-capped gold nanoparticles for ultra-sensitive and highly-integrated plasmonic biosensors. <i>Sensors and Actuators B: Chemical</i> , 2019, 286, 429-436.	7.8	42
89	Ultra-Flattened Normal Dispersion Fiber for Supercontinuum and Dissipative Soliton Resonance Generation at $2\hat{A}1/4\text{m}$ . <i>IEEE Photonics Journal</i> , 2019, 11, 1-11.	2.0	2
90	Flexible and High-Voltage Coaxial-Fiber Aqueous Rechargeable Zinc-Ion Battery. <i>Nano Letters</i> , 2019, 19, 4035-4042.	9.1	202

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91	Fano Resonance Based on Long Range Surface Phonon Resonance in the Mid-Infrared Region. IEEE Photonics Journal, 2019, 11, 1-8.	2.0	4
92	Sensing Characteristics of a Grating-Based Fabry-Perot Structure in a Biconical Tapered Fiber. , 2019, , .		2
93	Long-Period Gratings and Multimode Interference in Helical Single-Mode Fiber. IEEE Photonics Technology Letters, 2019, 31, 1956-1959.	2.5	5
94	Temperature-Independent Bending Sensor Based on Hollow Core Microstructured Optical Fiber. , 2019, , .		1
95	Temperature Sensor Based on Selectively Liquid Infiltrated Dual Core Photonic Crystal Fiber. , 2019, , .		2
96	In-fiber Surface Plasmon Resonance Temperature Sensor Based on PDMS Infiltrated Hollow Core Fiber. , 2019, , .		0
97	Resonance Energy Leakage in Hollow Core Fiber for Sensitive Liquid Level Measurement. , 2019, , .		0
98	Deterministic Single Soliton Generation Driven by Chirped Optical Pulses in Kerr Microresonator. , 2019, , .		0
99	Dispersion-Managed Soliton Molecules in An All-Fiber Mode-Locked Fiber Laser With Near Zero Dispersion. , 2019, , .		0
100	Anti-resonant reflecting effect in large-core hollow-core photonic crystal fiber for temperature sensing. , 2019, , .		1
101	Bidirectional Mode-Locked Fiber Laser Emitting Scalar and Vector Noise-Like Pulses. , 2019, , .		0
102	Real-Time Denoising of Brillouin Optical Time Domain Analyzer With High Data Fidelity Using Convolutional Neural Networks. Journal of Lightwave Technology, 2019, 37, 2648-2653.	4.6	43
103	Compact polarization beam splitter assisted by subwavelength grating in triple-waveguide directional coupler. Applied Optics, 2019, 58, 2264.	1.8	26
104	Simultaneous achievement of an ultrashort length and a high extinction ratio polarization splitter based on the dual-core photonic crystal fiber with Ge <sub>20</sub> Sb <sub>15</sub> Se <sub>65</sub> glass. Applied Optics, 2019, 58, 7892.	1.8	12
105	Nonlinear gas sensing based on third-harmonic generation in cascaded chalcogenide microfibers. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 300.	2.1	7
106	Harnessing oversampling in correlation-coded OTDR. Optics Express, 2019, 27, 1693.	3.4	12
107	Volumetric enhancement of Raman scattering for fast detection based on a silver-lined hollow-core fiber. Optics Express, 2019, 27, 10370.	3.4	12
108	Theoretical study of bicharacteristic waveguide for fundamental-mode phase-matched SHG from MIR to NIR. Optics Express, 2019, 27, 15236.	3.4	6

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109	Experimental and numerical investigation on hollow core photonic crystal fiber based bending sensor. Optics Express, 2019, 27, 30629.	3.4	22
110	Semiconductor-laser-based hybrid chaos source and its application in secure key distribution. Optics Letters, 2019, 44, 2605.	3.3	33
111	Real-time access to the coexistence of soliton singlets and molecules in an all-fiber laser. Optics Letters, 2019, 44, 4263.	3.3	22
112	Bragg labeled wavelength calibrates interferometric sensors in hollow core fiber. Optics Letters, 2019, 44, 5382.	3.3	5
113	Suspended-core fiber based Sagnac interferometer device and sensing applications. , 2019, , .		0
114	Robust digital-controllable broadband analog optical chaos generation. , 2019, , .		0
115	Multi-state solitons in a CFBG-based ultrafast bidirectional fiber laser. , 2019, , .		0
116	Maximizing the security of digital chaos based OFDM-PON with a dynamical nonlinear transformation. , 2019, , .		1
117	Randomly spaced chirped grating-based random fiber laser. Applied Physics B: Lasers and Optics, 2018, 124, 1.	2.2	20
118	Switchable Single-Longitudinal-Mode Fiber Laser Based on $\eta$ -Shaped Microfiber Filter. IEEE Photonics Technology Letters, 2018, 30, 479-482.	2.5	10
119	900 nm waveband four wave mixing generation in highly nonlinear photonic crystal fiber. Journal of Optics (United Kingdom), 2018, 20, 035501.	2.2	9
120	Design of photonic crystal fiber with elliptical air-holes to achieve simultaneous high birefringence and nonlinearity. Chinese Physics B, 2018, 27, 014206.	1.4	6
121	Ultra-sensitive chemical and biological analysis via specialty fibers with built-in microstructured optofluidic channels. Lab on A Chip, 2018, 18, 655-661.	6.0	52
122	Magnetic Field Sensor Based on Magnetic Fluid-Infiltrated Phase-Shifted Fiber Bragg Grating. IEEE Sensors Journal, 2018, 18, 4008-4012.	4.7	34
123	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.	2.0	17
124	Investigation of Germanium-Loaded Slot Waveguides for Mid-Infrared Third Harmonic Generation. Plasmonics, 2018, 13, 2197-2204.	3.4	2
125	Formation of ultra-flexible, conformal, and nano-patterned photonic surfaces via polymer cold-drawing. Journal of Materials Chemistry C, 2018, 6, 4649-4657.	5.5	17
126	A time and frequency synchronization method for CO-OFDM based on CMA equalizers. Optics Communications, 2018, 416, 166-171.	2.1	2



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127	Electron-Rich Two-Dimensional Molybdenum Trioxides for Highly Integrated Plasmonic Biosensing. ACS Photonics, 2018, 5, 347-352.	6.6	45
128	Multiplexed ultrafast fiber laser emitting multi-state solitons. Optics Express, 2018, 26, 27461.	3.4	27
129	Fundamental-mode Phase-matched Third Harmonic and Triplet Photon Generation based on Heterogeneous Mode Interaction. , 2018, , .		0
130	Smart Office. , 2018, , .		6
131	Crossing-Free On-Chip $2 \times 2$ Polarization-Diverse Switch. , 2018, , .		0
132	Dispersion-Managed Soliton Molecules in a Near Zero-Dispersion Fiber Laser. IEEE Photonics Journal, 2018, 10, 1-10.	2.0	16
133	Distal End Force Sensing with Optical Fiber Bragg Gratings for Tendon-Sheath Mechanisms in Flexible Endoscopic Robots. , 2018, , .		21
134	Crossing-free on-chip $2 \times 2$ polarization-transparent switch with signals regrouping function. Optics Letters, 2018, 43, 4009.	3.3	2
135	Synchronized Random Bit Sequences Generation Based on Analog-Digital Hybrid Electro-Optic Chaotic Sources. Journal of Lightwave Technology, 2018, 36, 4995-5002.	4.6	16
136	High-sensitivity birefringent and single-layer coating photonic crystal fiber biosensor based on surface plasmon resonance. Applied Optics, 2018, 57, 1883.	1.8	66
137	Directional torsion and temperature discrimination based on a multicore fiber with a helical structure. Optics Express, 2018, 26, 544.	3.4	76
138	Simultaneous implementation of enhanced resolution and large dynamic range for fiber temperature sensing based on different optical transmission mechanisms. Optics Express, 2018, 26, 18341.	3.4	22
139	Simultaneous achievement of highly birefringent and nonlinear photonic crystal fibers with an elliptical tellurite core. Applied Optics, 2018, 57, 6383.	1.8	24
140	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.	5.2	30
141	Compact double-part grating coupler for higher-order mode coupling. Optics Letters, 2018, 43, 3172.	3.3	34
142	Ultrathin graphene diaphragm-based extrinsic Fabry-Perot interferometer for ultra-wideband fiber optic acoustic sensing. Optics Express, 2018, 26, 20758.	3.4	102
143	Photon-Plasmon Coupling for Fundamental-Mode Phase-Matched Third Harmonic and Triplet Photon Generation. Journal of Lightwave Technology, 2018, 36, 3892-3897.	4.6	9
144	Sensitivity Enhancement in Surface Plasmon Resonance Biochemical Sensor Based on Transition Metal Dichalcogenides/Graphene Heterostructure. Sensors, 2018, 18, 2056.	3.8	73

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145	An Electrooptic Chaotic System Based on a Hybrid Feedback Loop. Journal of Lightwave Technology, 2018, 36, 4259-4266.	4.6	33
146	Compact Temperature Sensor With Highly Germania-Doped Fiber-Based Michelson Interferometer. IEEE Sensors Journal, 2018, 18, 8017-8021.	4.7	14
147	Fano Resonance Enhanced Surface Plasmon Resonance Sensors Operating in Near-Infrared. Photonics, 2018, 5, 23.	2.0	23
148	Secure Strategy for OFDM-PON Using Digital Chaos Algorithm With Fixed-Point Implementation. Journal of Lightwave Technology, 2018, 36, 4826-4833.	4.6	22
149	Hybrid photonic crystal fiber for highly sensitive temperature measurement. Journal of Optics (United Tj ETQq1 1 0,784314 rgBT /Overl	2.2	12
150	Mid-IR supercontinuum generation in a single-mode ZBLAN fiber by erbium-doped fiber laser. Optical Engineering, 2018, 57, 1.	1.0	6
151	Multi-band carrierless amplitude and phase modulation in RoF system for enhanced reliable mobile fronthaul. , 2018, , .		2
152	Highly sensitive gas refractometers based on optical microfiber modal interferometers operating at dispersion turning point. Optics Express, 2018, 26, 29148.	3.4	66
153	Compact Grating Coupler for Higher-order Mode Coupling. , 2018, , .		2
154	Sensing and lasing applications of whispering gallery mode microresonators. Opto-Electronic Advances, 2018, 1, 18001501-18001510.	13.3	43
155	Highly Sensitive Temperature Sensor Based on Hybrid Photonic Crystal Fiber. , 2018, , .		2
156	Temperature Sensor by Using Highly Germanium-doped Fiber. , 2018, , .		1
157	Helically Twisted Seven-Core Fiber Based Optical Sensors. , 2018, , .		0
158	Mid-IR supercontinuum generation in a single-mode ZBLAN fiber pumped by a carbon-nanotube-based passively mode-locked erbium-doped femtosecond fiber laser. , 2018, , .		1
159	Flat broadband supercontinuum generation in a short length of highly nonlinear fiber pumped by a femtosecond carbon-nanotube based passively mode-locked erbium-doped fiber laser. , 2018, , .		0
160	Temperature sensor based on highly germanium-doped fiber with rounded tip. , 2018, , .		1
161	M-OTDR sensing system based on 3D encoded microstructures. Scientific Reports, 2017, 7, 41137.	3.3	15
162	Characterization and Optimization of Unrepeated Coherent Transmission Systems Using DRA and ROPA. Journal of Lightwave Technology, 2017, 35, 1830-1836.	4.6	10

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163	Ultra-Low-Loss High-Contrast Gratings Based Spoof Surface Plasmonic Waveguide. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 2008-2018.	4.6	48
164	Highly sensitive strain sensor based on helical structure combined with Mach-Zehnder interferometer in multicore fiber. Scientific Reports, 2017, 7, 46633.	3.3	69
165	Experimental Demonstration of Ultra-Dense WDM-PON With Seven-Core MCF-Enabled Self-Homodyne Coherent Detection. IEEE Photonics Journal, 2017, 9, 1-7.	2.0	12
166	An Optically Coupled Electro-Optic Chaos System With Suppressed Time-Delay Signature. IEEE Photonics Journal, 2017, 9, 1-9.	2.0	19
167	Extremely High-Efficiency Coupling Method for Hollow-Core Photonic Crystal Fiber. IEEE Photonics Journal, 2017, 9, 1-8.	2.0	9
168	Hybrid Graphene/Gold Plasmonic Fiber-Optic Biosensor. Advanced Materials Technologies, 2017, 2, 1600185.	5.8	58
169	Square array photonic crystal fiber-based surface plasmon resonance refractive index sensor. Modern Physics Letters B, 2017, 31, 1750352.	1.9	34
170	Abnormal Noise-Like Pulse Fiber Laser for Disruptive Sensing Applications. , 2017, , .		1
171	Sensitivity-controllable refractive index sensor based on reflective $\hat{\Gamma}$ -shaped microfiber resonator cooperated with Vernier effect. Scientific Reports, 2017, 7, 9620.	3.3	40
172	Refractive index sensor based on $\hat{\Gamma}$ -shaped microfiber resonator and Vernier effect. Proceedings of SPIE, 2017, , .	0.8	2
173	Dynamics of nanosecond pulsed pump ytterbium-doped double-clad fiber amplifier. Optics Communications, 2017, 403, 325-329.	2.1	2
174	Exceptional points in a non-Hermitian topological pump. Physical Review B, 2017, 95, .	3.2	79
175	Fiber Bragg grating sensors for real-time monitoring of boiler U-bend tubes thinning. , 2017, , .		2
176	Voice activated smart home design and implementation. , 2017, , .		27
177	All-fiber femtosecond laser pulse generation at 1.55 $\hat{\mu}$ m and 2 $\hat{\mu}$ m using a common carbon-nanotube based saturable absorber. , 2017, , .		0
178	160 W nanosecond ytterbium-doped pulsed fiber laser. , 2017, , .		0
179	Widely tunable optoelectronic oscillator using phase modulation to intensity modulation conversion and a heterogeneous multicore fiber. , 2017, , .		0
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