

# Ping Shum

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

647  
papers

11,090  
citations

49  
h-index

68  
g-index

855  
ext. papers

13,711  
ext. citations

2.9  
avg, IF

6.34  
L-index

#	Paper	IF	Citations
647	Optical curvature sensor with high resolution based on in-line fiber Mach-Zehnder interferometer and microwave photonic filter.. <i>Optics Express</i> , <b>2022</b> , 30, 5402-5413	3.3	2
646	High-Q-factor phase-shifted helical fiber Bragg grating by one-step femtosecond laser inscription for high-temperature sensing.. <i>Optics Letters</i> , <b>2022</b> , 47, 1407-1410	3	1
645	Fiber Optic Electric Field Intensity Sensor Based on Liquid Crystal-Filled Photonic Crystal Fiber Incorporated Ring Laser. <i>IEEE Photonics Journal</i> , <b>2022</b> , 14, 1-5	1.8	0
644	PCF based surface plasmon resonance temperature sensor with ultrahigh sensitivity. <i>Optik</i> , <b>2022</b> , 250, 168345	2.5	1
643	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> , <b>2022</b> , 40, 245-251	4	1
642	Real-Time Multi-Class Disturbance Detection for BOTDR Based on YOLO Algorithm.. <i>Sensors</i> , <b>2022</b> , 22,	3.8	1
641	Hydrazone organics with third-order nonlinear optical effect for femtosecond pulse generation and control in the L-band. <i>Optics and Laser Technology</i> , <b>2022</b> , 151, 108016	4.2	2
640	Time-slot multiplexing based bandwidth enhancement for fiber distributed acoustic sensing. <i>Science China Information Sciences</i> , <b>2022</b> , 65, 1	3.4	1
639	Dynamics of cavity soliton driven by chirped optical pulses in Kerr resonators. <i>Frontiers of Optoelectronics</i> , <b>2022</b> , 15, 1	2.8	
638	Manipulation of Kerr cavity solitons based on projected super-position technique. <i>Optics Communications</i> , <b>2022</b> , 520, 128462	2	0
637	High-Capacity Iron-Based Anodes for Aqueous Secondary Nickel-Iron Batteries: Recent Progress and Prospects. <i>ChemElectroChem</i> , <b>2021</b> , 8, 273-273	4.3	
636	Tunable Electro-Optical and Thermal Optical Modulator Based on a Liquid Crystal-filled Side Hole Fiber in Fiber Ring Laser. <i>IEEE Sensors Journal</i> , <b>2021</b> , 1-1	4	0
635	Plasmonically enhanced photoluminescence of monolayer MoS <sub>2</sub> via nanosphere lithography-templated gold metasurfaces. <i>Nanophotonics</i> , <b>2021</b> , 10, 1733-1740	6.3	3
634	Recent Advancement of Anti-Resonant Hollow-Core Fibers for Sensing Applications. <i>Photonics</i> , <b>2021</b> , 8, 128	2.2	5
633	Low-cost compressive sensing imaging based on spectrum-encoded time-stretch structure. <i>Optics Express</i> , <b>2021</b> , 29, 14931-14940	3.3	1
632	Ultrasensitive Broadband Refractometer Based on Single Stress-Appling Fiber at Dispersion Turning Point. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 39, 2528-2535	4	4
631	In-Fiber Mach-Zehnder Interferometer Sensor Based on Er Doped Fiber Peanut Structure in Fiber Ring Laser. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 39, 3350-3357	4	8

630	Internal motions of harmonically mode-locked soliton molecules in a NPR based fiber laser. <i>Optics Communications</i> , <b>2021</b> , 486, 126790	2	3
629	Near-infrared long-range surface plasmon resonance in a D-shaped honeycomb microstructured optical fiber coated with Au film. <i>Optics Express</i> , <b>2021</b> , 29, 16455-16468	3.3	3
628	Recent Advances and Prospects of Fiber-Shaped Rechargeable Aqueous Alkaline Batteries. <i>Advanced Energy and Sustainability Research</i> , <b>2021</b> , 2, 2100060	1.6	1
627	High-Capacity Iron-Based Anodes for Aqueous Secondary Nickel/Iron Batteries: Recent Progress and Prospects. <i>ChemElectroChem</i> , <b>2021</b> , 8, 274-290	4.3	8
626	Numerical Investigation of All-Optical Manipulation for Polarization-Multiplexed Cavity Solitons. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 39, 582-591	4	3
625	Vector soliton generation from a compact all-polarization-maintaining fiber laser. <i>Laser Physics Letters</i> , <b>2021</b> , 18, 025103	1.5	4
624	Temperature Sensor Based on Er-Doped Cascaded-Peanut Taper Structure In-Line Interferometer in Fiber Ring Laser. <i>IEEE Sensors Journal</i> , <b>2021</b> , 1-1	4	1
623	Ultrasensitive Exhaled Breath Sensors Based on Anti-Resonant Hollow Core Fiber with In Situ Grown ZnO-Bi <sub>2</sub> O <sub>3</sub> Nanosheets. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2001978	4.6	25
622	Manipulation of Soliton Bunches Generated From a Polarization-Route-Assisted Vector Fiber Laser. <i>IEEE Photonics Journal</i> , <b>2021</b> , 13, 1-8	1.8	3
621	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> , <b>2021</b> , 38, 2680	1.7	2
620	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> , <b>2021</b> , 8, 379	2.2	1
619	Highly Stable and Precise Demodulation of an FBG-Based Optical Current Sensor Using a Dual-Loop Optoelectronic Oscillator. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 39, 5962-5972	4	4
618	Performance Enhancement of Opened Resonance Photoacoustic Cells Based on Three Dimensional Topology Optimization. <i>Photonics</i> , <b>2021</b> , 8, 380	2.2	1
617	Bubble microcavity strain and gravity sensor with temperature and bending insensitivity using an ultra-thin core optical fiber. <i>Optics and Laser Technology</i> , <b>2021</b> , 142, 107193	4.2	3
616	High sensitivity liquid level sensor based on a hollow core fiber structure. <i>Optics Communications</i> , <b>2021</b> , 499, 127279	2	4
615	In-Fiber Mach-Zehnder Interferometer Based on Er Doped Up-Taper and Peanut-Shaped Fiber Structure in Fiber Ring Laser. <i>IEEE Access</i> , <b>2021</b> , 9, 128126-128132	3.5	0
614	Self-Correcting Recurrent Neural Network for Acute Kidney Injury Prediction in Critical Care. <i>Health Data Science</i> , <b>2021</b> , 2021, 1-10		0
613	Enhancing the Physical Layer Security of OFDM-PONs With Hardware Fingerprint Authentication: A Machine Learning Approach. <i>Journal of Lightwave Technology</i> , <b>2020</b> , 38, 3238-3245	4	11

612	Mid-infrared high repetition mode-locked laser based on cross-band all-optical injection modulation. <i>Laser Physics Letters</i> , <b>2020</b> , 17, 065101	1.5	
611	Capillary Fiber Bragg Grating Fabricated by Femtosecond Laser for Sensing Applications. <i>IEEE Photonics Technology Letters</i> , <b>2020</b> , 32, 783-786	2.2	1
610	Anomalous Sensitivity Enhancement of D-Shaped Fiber-Based Sandwiched Structure Optofluidic Sensor. <i>IEEE Access</i> , <b>2020</b> , 8, 105207-105216	3.5	1
609	Breathing Dynamics in a Gain-Guided Dissipative Soliton-Similariton Fiber Laser. <i>IEEE Photonics Technology Letters</i> , <b>2020</b> , 1-1	2.2	0
608	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 NiCo-Fe Batteries. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2001064	21.8	24
607	Simultaneous Mid-Infrared Gas Sensing and Upconversion Based on Third Harmonic Generation in Cascaded Waveguides. <i>IEEE Photonics Journal</i> , <b>2020</b> , 12, 1-12	1.8	3
606	All-Metal Phosphide Electrodes for High-Performance Quasi-Solid-State Fiber-Shaped Aqueous Rechargeable Ni-Fe Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 12801-12808	9.5	16
605	Vectorial Nature in Nonlinear Multimode Interference Based Ultrafast Fiber Lasers. <i>IEEE Photonics Journal</i> , <b>2020</b> , 12, 1-10	1.8	8
604	Investigation of a Bragg Grating-Based Fabry-Pérot Structure Inscribed Using Femtosecond Laser Micromachining in an Adiabatic Fiber Taper. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 1069	2.6	3
603	Design of an arbitrary ratio optical power splitter based on a discrete differential multiobjective evolutionary algorithm. <i>Applied Optics</i> , <b>2020</b> , 59, 1780-1785	1.7	2
602	Design and analysis of slow-light Bloch slot waveguides for on-chip gas sensing. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2020</b> , 37, 257	1.7	9
601	Stationary and pulsating vector dissipative solitons in nonlinear multimode interference based fiber lasers. <i>Optics Express</i> , <b>2020</b> , 28, 4216-4224	3.3	11
600	Single-axis soliton molecule and multiple solitons generation from a vector fiber laser. <i>Optics Express</i> , <b>2020</b> , 28, 5212-5220	3.3	7
599	Highly efficient free-space fiber coupler with 45° tilted fiber grating to access remotely placed optical fiber sensors. <i>Optics Express</i> , <b>2020</b> , 28, 16569-16578	3.3	9
598	Study on the dual-Fano resonance generation and its potential for self-calibrated sensing. <i>Optics Express</i> , <b>2020</b> , 28, 23703-23716	3.3	7
597	High-resolution, large-dynamic-range multimode interferometer sensor based on a suspended-core microstructured optical fiber. <i>Optics Letters</i> , <b>2020</b> , 45, 1017-1020	3	6
596	Experimental observation of shaking soliton molecules in a dispersion-managed fiber laser. <i>Optics Letters</i> , <b>2020</b> , 45, 1551-1554	3	19
595	Strain sensitivity enhancement based on periodic deformation in hollow core fiber. <i>Optics Letters</i> , <b>2020</b> , 45, 3997-4000	3	6

594	All-fiber online Raman sensor with enhancement via a Fabry-Perot cavity. <i>Optics Letters</i> , <b>2020</b> , 45, 5760-5763	4	
593	Real-time dynamics of soliton triplets in fiber lasers. <i>Photonics Research</i> , <b>2020</b> , 8, 884	6	14
592	Cellular-resolution in vivo tomography in turbid tissue through digital aberration correction. <i>PhotoniX</i> , <b>2020</b> , 1,	19	3
591	Two-core photonic crystal fiber with selective liquid infiltration in the central air hole for temperature sensing. <i>OSA Continuum</i> , <b>2020</b> , 3, 2264	1.4	1
590	Planar nonlinear metasurface optics and their applications. <i>Reports on Progress in Physics</i> , <b>2020</b> , 83, 126104	1.4	4
589	Research on Fabrication and Sensing Properties of Fiber-Coupled Whispering Gallery Mode Microsphere Resonator. <i>IEEE Sensors Journal</i> , <b>2020</b> , 20, 833-841	4	8
588	Coexistence of soliton singlets and molecules in a dual-wavelength mode-locked fiber laser. <i>Optics Communications</i> , <b>2020</b> , 457, 124700	2	13
587	Design of germanium-silicon carbide hybrid waveguides for mid-infrared third-order parametric conversion. <i>Optics Communications</i> , <b>2020</b> , 456, 124668	2	0
586	Highly Sensitive Polarimetric Sensor Based on Fano Resonance for DNA Hybridization Detection. <i>Plasmonics</i> , <b>2020</b> , 15, 769-781	2.4	5
585	Ultra-High Sensitive Quasi-Distributed Acoustic Sensor Based on Coherent OTDR and Cylindrical Transducer. <i>Journal of Lightwave Technology</i> , <b>2020</b> , 38, 929-938	4	19
584	Thermally drawn advanced functional fibers: New frontier of flexible electronics. <i>Materials Today</i> , <b>2020</b> , 35, 168-194	21.8	74
583	Numerical investigation of efficient mid-infrared supercontinuum generation and cavity soliton generation based on flattened near-zero dispersion fiber. <i>Laser Physics</i> , <b>2020</b> , 30, 085105	1.2	1
582	Bragg Grating Assisted Sagnac Interferometer in SiO-AlO-LaO Polarization-Maintaining Fiber for Strain-Temperature Discrimination. <i>Sensors</i> , <b>2020</b> , 20,	3.8	2
581	An ultrahighly sensitive photonic crystal fiber based surface plasmon resonance sensor. <i>Optik</i> , <b>2020</b> , 212, 164649	2.5	8
580	CFBG-Based Bidirectional Mode-Locked Fiber Laser Emitting Conventional and Dissipative Solitons. <i>IEEE Photonics Technology Letters</i> , <b>2019</b> , 31, 1737-1740	2.2	4
579	One-step synthesis of cyclodextrin-capped gold nanoparticles for ultra-sensitive and highly-integrated plasmonic biosensors. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 286, 429-436	8.5	28
578	Ultra-Flattened Normal Dispersion Fiber for Supercontinuum and Dissipative Soliton Resonance Generation at 2 $\mu$ m. <i>IEEE Photonics Journal</i> , <b>2019</b> , 11, 1-11	1.8	1
577	Flexible and High-Voltage Coaxial-Fiber Aqueous Rechargeable Zinc-Ion Battery. <i>Nano Letters</i> , <b>2019</b> , 19, 4035-4042	11.5	128

576	Fano Resonance Based on Long Range Surface Phonon Resonance in the Mid-Infrared Region. <i>IEEE Photonics Journal</i> , <b>2019</b> , 11, 1-8	1.8	2
575	Scalar and Vector Solitons in a Bidirectional Mode-Locked Fibre Laser. <i>Journal of Lightwave Technology</i> , <b>2019</b> , 37, 5108-5114	4	6
574	Fundamental and Third Harmonic Mode Coupling Induced Single Soliton Generation in Kerr Microresonators. <i>Journal of Lightwave Technology</i> , <b>2019</b> , 37, 5531-5536	4	5
573	Review on Photonic Crystal Fibers With Hybrid Guiding Mechanisms. <i>IEEE Access</i> , <b>2019</b> , 7, 67469-67482	3.5	12
572	Liquid Core Fiber Interferometer for Simultaneous Measurement of Refractive Index and Temperature. <i>IEEE Photonics Technology Letters</i> , <b>2019</b> , 31, 189-192	2.2	14
571	Compact polarization beam splitter assisted by subwavelength grating in triple-waveguide directional coupler. <i>Applied Optics</i> , <b>2019</b> , 58, 2264-2268	1.7	13
570	Simultaneous achievement of an ultrashort length and a high extinction ratio polarization splitter based on the dual-core photonic crystal fiber with GeSbSe glass. <i>Applied Optics</i> , <b>2019</b> , 58, 7892-7896	1.7	5
569	Nonlinear gas sensing based on third-harmonic generation in cascaded chalcogenide microfibers. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2019</b> , 36, 300	1.7	7
568	Harnessing oversampling in correlation-coded OTDR. <i>Optics Express</i> , <b>2019</b> , 27, 1693-1705	3.3	7
567	Volumetric enhancement of Raman scattering for fast detection based on a silver-lined hollow-core fiber. <i>Optics Express</i> , <b>2019</b> , 27, 10370-10382	3.3	7
566	Theoretical study of bicharacteristic waveguide for fundamental-mode phase-matched SHG from MIR to NIR. <i>Optics Express</i> , <b>2019</b> , 27, 15236-15250	3.3	5
565	Experimental and numerical investigation on hollow core photonic crystal fiber based bending sensor. <i>Optics Express</i> , <b>2019</b> , 27, 30629-30638	3.3	18
564	Semiconductor-laser-based hybrid chaos source and its application in secure key distribution. <i>Optics Letters</i> , <b>2019</b> , 44, 2605-2608	3	22
563	Real-time access to the coexistence of soliton singlets and molecules in an all-fiber laser. <i>Optics Letters</i> , <b>2019</b> , 44, 4263-4266	3	11
562	Bragg labeled wavelength calibrates interferometric sensors in hollow core fiber. <i>Optics Letters</i> , <b>2019</b> , 44, 5382-5385	3	1
561	Maximizing the security of digital chaos based OFDM-PON with a dynamical nonlinear transformation <b>2019</b> ,		1
560	Long-Period Gratings and Multimode Interference in Helical Single-Mode Fiber. <i>IEEE Photonics Technology Letters</i> , <b>2019</b> , 31, 1956-1959	2.2	1
559	Real-Time Denoising of Brillouin Optical Time Domain Analyzer With High Data Fidelity Using Convolutional Neural Networks. <i>Journal of Lightwave Technology</i> , <b>2019</b> , 37, 2648-2653	4	22

558	Randomly spaced chirped grating-based random fiber laser. <i>Applied Physics B: Lasers and Optics</i> , <b>2018</b> , 124, 1	1.9	11
557	Switchable Single-Longitudinal-Mode Fiber Laser Based on $\theta$ -Shaped Microfiber Filter. <i>IEEE Photonics Technology Letters</i> , <b>2018</b> , 30, 479-482	2.2	10
556	900 nm waveband four wave mixing generation in highly nonlinear photonic crystal fiber. <i>Journal of Optics (United Kingdom)</i> , <b>2018</b> , 20, 035501	1.7	6
555	Design of photonic crystal fiber with elliptical air-holes to achieve simultaneous high birefringence and nonlinearity. <i>Chinese Physics B</i> , <b>2018</b> , 27, 014206	1.2	3
554	Ultra-sensitive chemical and biological analysis via specialty fibers with built-in microstructured optofluidic channels. <i>Lab on A Chip</i> , <b>2018</b> , 18, 655-661	7.2	33
553	Magnetic Field Sensor Based on Magnetic Fluid-Infiltrated Phase-Shifted Fiber Bragg Grating. <i>IEEE Sensors Journal</i> , <b>2018</b> , 18, 4008-4012	4	22
552	Secure Key Distribution Strategy in OFDM-PON by Utilizing the Redundancy of Training Symbol and Digital Chaos Technique. <i>IEEE Photonics Journal</i> , <b>2018</b> , 10, 1-8	1.8	11
551	Investigation of Germanium-Loaded Slot Waveguides for Mid-Infrared Third Harmonic Generation. <i>Plasmonics</i> , <b>2018</b> , 13, 2197-2204	2.4	2
550	Formation of ultra-flexible, conformal, and nano-patterned photonic surfaces via polymer cold-drawing. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 4649-4657	7.1	13
549	A time and frequency synchronization method for CO-OFDM based on CMA equalizers. <i>Optics Communications</i> , <b>2018</b> , 416, 166-171	2	1
548	High-sensitivity birefringent and single-layer coating photonic crystal fiber biosensor based on surface plasmon resonance. <i>Applied Optics</i> , <b>2018</b> , 57, 1883-1886	1.7	51
547	Directional torsion and temperature discrimination based on a multicore fiber with a helical structure. <i>Optics Express</i> , <b>2018</b> , 26, 544-551	3.3	52
546	Simultaneous implementation of enhanced resolution and large dynamic range for fiber temperature sensing based on different optical transmission mechanisms. <i>Optics Express</i> , <b>2018</b> , 26, 18341-18350	3.3	13
545	Simultaneous achievement of highly birefringent and nonlinear photonic crystal fibers with an elliptical tellurite core. <i>Applied Optics</i> , <b>2018</b> , 57, 6383-6387	1.7	14
544	Wavelength division multiplexing secure communication scheme based on an optically coupled phase chaos system and PM-to-IM conversion mechanism. <i>Nonlinear Dynamics</i> , <b>2018</b> , 94, 1949-1959	5	11
543	Compact double-part grating coupler for higher-order mode coupling. <i>Optics Letters</i> , <b>2018</b> , 43, 3172-3175	3	18
542	Ultrathin graphene diaphragm-based extrinsic Fabry-Perot interferometer for ultra-wideband fiber optic acoustic sensing. <i>Optics Express</i> , <b>2018</b> , 26, 20758-20767	3.3	52
541	Plasmon Coupling for Fundamental-Mode Phase-Matched Third Harmonic and Triplet Photon Generation. <i>Journal of Lightwave Technology</i> , <b>2018</b> , 36, 3892-3897	4	8



540	Sensitivity Enhancement in Surface Plasmon Resonance Biochemical Sensor Based on Transition Metal Dichalcogenides/Graphene Heterostructure. <i>Sensors</i> , <b>2018</b> , 18,	3.8	50
539	An Electrooptic Chaotic System Based on a Hybrid Feedback Loop. <i>Journal of Lightwave Technology</i> , <b>2018</b> , 36, 4259-4266	4	23
538	Compact Temperature Sensor With Highly Germania-Doped Fiber-Based Michelson Interferometer. <i>IEEE Sensors Journal</i> , <b>2018</b> , 18, 8017-8021	4	9
537	Fano Resonance Enhanced Surface Plasmon Resonance Sensors Operating in Near-Infrared. <i>Photonics</i> , <b>2018</b> , 5, 23	2.2	14
536	Secure Strategy for OFDM-PON Using Digital Chaos Algorithm With Fixed-Point Implementation. <i>Journal of Lightwave Technology</i> , <b>2018</b> , 36, 4826-4833	4	13
535	Hybrid photonic crystal fiber for highly sensitive temperature measurement. <i>Journal of Optics (United Kingdom)</i> , <b>2018</b> , 20, 075801	1.7	9
534	Mid-IR supercontinuum generation in a single-mode ZBLAN fiber by erbium-doped fiber laser. <i>Optical Engineering</i> , <b>2018</b> , 57, 1	1.1	5
533	Multi-band carrierless amplitude and phase modulation in RoF system for enhanced reliable mobile fronthaul <b>2018</b> ,		2
532	Highly sensitive gas refractometers based on optical microfiber modal interferometers operating at dispersion turning point. <i>Optics Express</i> , <b>2018</b> , 26, 29148-29158	3.3	42
531	Compact Grating Coupler for Higher-order Mode Coupling <b>2018</b> ,		2
530	Sensing and lasing applications of whispering gallery mode microresonators. <i>Opto-Electronic Advances</i> , <b>2018</b> , 1, 18001501-18001510	6.5	23
529	Mid-IR supercontinuum generation in a single-mode ZBLAN fiber pumped by a carbon-nanotube-based passively mode-locked erbium-doped femtosecond fiber laser <b>2018</b> ,		1
528	Electron-Rich Two-Dimensional Molybdenum Trioxides for Highly Integrated Plasmonic Biosensing. <i>ACS Photonics</i> , <b>2018</b> , 5, 347-352	6.3	35
527	Multiplexed ultrafast fiber laser emitting multi-state solitons. <i>Optics Express</i> , <b>2018</b> , 26, 27461-27471	3.3	15
526	Smart Office <b>2018</b> ,		2
525	Dispersion-Managed Soliton Molecules in a Near Zero-Dispersion Fiber Laser. <i>IEEE Photonics Journal</i> , <b>2018</b> , 10, 1-10	1.8	11
524	Distal End Force Sensing with Optical Fiber Bragg Gratings for Tendon-Sheath Mechanisms in Flexible Endoscopic Robots <b>2018</b> ,		13
523	Crossing-free on-chip 2 × 2 polarization-transparent switch with signals regrouping function. <i>Optics Letters</i> , <b>2018</b> , 43, 4009-4012	3	1



522	Synchronized Random Bit Sequences Generation Based on Analog-Digital Hybrid Electro-Optic Chaotic Sources. <i>Journal of Lightwave Technology</i> , <b>2018</b> , 36, 4995-5002	4	15
521	Photonic Crystal FiberBased Interferometric Sensors <b>2018</b> ,		4
520	M-OTDR sensing system based on 3D encoded microstructures. <i>Scientific Reports</i> , <b>2017</b> , 7, 41137	4.9	8
519	Characterization and Optimization of Unrepeated Coherent Transmission Systems Using DRA and ROPA. <i>Journal of Lightwave Technology</i> , <b>2017</b> , 35, 1830-1836	4	2
518	Ultra-Low-Loss High-Contrast Gratings Based Spoof Surface Plasmonic Waveguide. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2017</b> , 65, 2008-2018	4.1	32
517	Highly sensitive strain sensor based on helical structure combined with Mach-Zehnder interferometer in multicore fiber. <i>Scientific Reports</i> , <b>2017</b> , 7, 46633	4.9	48
516	Experimental Demonstration of Ultra-Dense WDM-PON With Seven-Core MCF-Enabled Self-Homodyne Coherent Detection. <i>IEEE Photonics Journal</i> , <b>2017</b> , 9, 1-7	1.8	9
515	An Optically Coupled Electro-Optic Chaos System With Suppressed Time-Delay Signature. <i>IEEE Photonics Journal</i> , <b>2017</b> , 9, 1-9	1.8	12
514	Extremely High-Efficiency Coupling Method for Hollow-Core Photonic Crystal Fiber. <i>IEEE Photonics Journal</i> , <b>2017</b> , 9, 1-8	1.8	2
513	Hybrid Graphene/Gold Plasmonic Fiber-Optic Biosensor. <i>Advanced Materials Technologies</i> , <b>2017</b> , 2, 1600185	1.8	41
512	Square array photonic crystal fiber-based surface plasmon resonance refractive index sensor. <i>Modern Physics Letters B</i> , <b>2017</b> , 31, 1750352	1.6	24
511	Abnormal Noise-Like Pulse Fiber Laser for Disruptive Sensing Applications <b>2017</b> ,		1
510	Efficient spot size converter for higher-order mode fiber-chip coupling. <i>Optics Letters</i> , <b>2017</b> , 42, 3702-3705	4.9	26
509	Ytterbium-Doped Fiber Amplifiers Seeded With Superluminescent Light Emitting Diode. <i>IEEE Photonics Technology Letters</i> , <b>2017</b> , 29, 2067-2070	2.2	
508	Multifiber angular compounding optical coherence tomography for speckle reduction. <i>Optics Letters</i> , <b>2017</b> , 42, 125-128	3	13
507	Sensitivity-controllable refractive index sensor based on reflective Eshaped microfiber resonator cooperated with Vernier effect. <i>Scientific Reports</i> , <b>2017</b> , 7, 9620	4.9	30
506	Dynamics of nanosecond pulsed pump ytterbium-doped double-clad fiber amplifier. <i>Optics Communications</i> , <b>2017</b> , 403, 325-329	2	2
505	Exceptional points in a non-Hermitian topological pump. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	59

504	Voice activated smart home design and implementation <b>2017</b> ,			9
503	Design of Fabry-Perot Refractometer based on a simplified hollow-core PCF with a CFBG pair <b>2017</b> ,			1
502	Broadband optical chaos generation by constructing a simple hybrid feedback loop <b>2017</b> ,			2
501	Training symbol assisted in-band OSNR monitoring technique suitable for long haul Raman amplified PDM-CO-OFDM system <b>2017</b> ,			1
500	Few-mode fiber based Raman distributed temperature sensing. <i>Optics Express</i> , <b>2017</b> , 25, 4907-4916	3-3		42
499	Ultra-high capacity WDM-SDM optical access network with self-homodyne detection downstream and 32QAM-FBMC upstream. <i>Optics Express</i> , <b>2017</b> , 25, 5951-5961	3-3		18
498	BOTDA using channel estimation with direct-detection optical OFDM technique. <i>Optics Express</i> , <b>2017</b> , 25, 12698-12709	3-3		18
497	Few-mode optical fiber based simultaneously distributed curvature and temperature sensing. <i>Optics Express</i> , <b>2017</b> , 25, 12722-12732	3-3		20
496	Towards large dynamic range and ultrahigh measurement resolution in distributed fiber sensing based on multicore fiber. <i>Optics Express</i> , <b>2017</b> , 25, 20183-20193	3-3		20
495	Reproducible optical noise-like signal generation subjected by digital sequences. <i>Optics Express</i> , <b>2017</b> , 25, 29189	3-3		5
494	Polarization-maintaining few mode fiber composed of a central circular-hole and an elliptical-ring core. <i>Photonics Research</i> , <b>2017</b> , 5, 261	6		28
493	Demonstration of arbitrary temporal shaping of picosecond pulses in a radially polarized Yb-fiber MOPA with > 10 W average power. <i>Optics Express</i> , <b>2017</b> , 25, 15402-15413	3-3		3
492	Light velocity control in monolithic microfiber bridged ring resonator. <i>Optica</i> , <b>2017</b> , 4, 945	8.6		12
491	Spatial-division multiplexed Brillouin distributed sensing based on a heterogeneous multicore fiber. <i>Optics Letters</i> , <b>2017</b> , 42, 171-174	3		21
490	Multiplexed polarization OTDR system with high DOP and ability of multi-event detection. <i>Applied Optics</i> , <b>2017</b> , 56, 3709-3713	0.2		4
489	Side-channel photonic crystal fiber for surface enhanced Raman scattering sensing. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 223, 195-201	8.5		48
488	Multi-wavelength erbium-doped fiber laser based on random distributed feedback. <i>Applied Physics B: Lasers and Optics</i> , <b>2016</b> , 122, 1	1.9		17
487	Experimental demonstration of a 10 Gb/s non-orthogonal multi-dimensional CAP-PON system based on the ISI and CCI cancellation algorithm. <i>Optics Letters</i> , <b>2016</b> , 41, 3988-91	3		13

486	Switchable thulium-doped fiber laser from polarization rotation vector to scalar soliton. <i>Scientific Reports</i> , <b>2016</b> , 6, 34844	4.9	20
485	Experimental Verification of Relative Phase Noise in Raman Amplified Coherent Optical Communication System. <i>Journal of Lightwave Technology</i> , <b>2016</b> , 1-1	4	0
484	Design and fabrication of elliptical-core few-mode fiber for MIMO-less data transmission. <i>Optics Letters</i> , <b>2016</b> , 41, 3058-61	3	46
483	ICI Mitigation for Dual-Carrier Superchannel Transmission Based on m-PSK and m-QAM Formats. <i>Journal of Lightwave Technology</i> , <b>2016</b> , 34, 5526-5533	4	12
482	Pulsed Pumping for Pulsewidth Tunable Nanosecond Ytterbium-Doped Fiber Laser. <i>IEEE Photonics Technology Letters</i> , <b>2016</b> , 28, 2842-2845	2.2	4
481	Nanosecond Pulse Fiber Laser Blackening of Aluminum Alloy With Alumina Surface. <i>IEEE Photonics Technology Letters</i> , <b>2016</b> , 28, 2701-2704	2.2	2
480	Widely tunable Tm-doped mode-locked all-fiber laser. <i>Scientific Reports</i> , <b>2016</b> , 6, 27245	4.9	43
479	Hole-Assisted Graded-Index Four-LP-Mode Fiber With Low Differential Mode Group Delay Over C+L Band. <i>IEEE Photonics Journal</i> , <b>2016</b> , 8, 1-10	1.8	1
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477	General model of signal propagation in a Raman amplified single-mode fiber based coherent optical communication system. <i>Optics Communications</i> , <b>2016</b> , 380, 401-408	2	2
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474	Low-Complexity Carrier Phase Recovery Based on Constellation Classification for M-ary Offset-QAM Signal. <i>Journal of Lightwave Technology</i> , <b>2016</b> , 34, 1133-1140	4	6
473	Experimental Demonstration of a 16.27 Gb/s 2-D Coherent Optical OFDM System With 3-D Signal Mapper and 2-D IFFT Modulator. <i>Journal of Lightwave Technology</i> , <b>2016</b> , 34, 1177-1183	4	7
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471	Application of Coupled Optoelectronic Oscillator on Optical Sampling. <i>Procedia Engineering</i> , <b>2016</b> , 140, 12-16		3
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469	Rapid SERS monitoring of lipid-peroxidation-derived protein modifications in cells using photonic crystal fiber sensor. <i>Journal of Biophotonics</i> , <b>2016</b> , 9, 32-7	3.1	15

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462	Graphene Enhanced Surface Plasmon Resonance Fiber-Optic Biosensor <b>2016</b> ,		5
461	Space-Division Multiplexed Multicore Fiber Mach-Zehnder Interferometer for Joint Temperature and Strain Sensing <b>2016</b> ,		1
460	64 Core Ultra Dense Multicore Fiber Design for Optical Fronthaul Systems <b>2016</b> ,		1
459	2D PolMux-MIMO RoF System Employing Interference Cancellation Based OFDM/OQAM Technique <b>2016</b> ,		2
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349	Using Nonlinear Optical Networks for Optimization: Primer of the Ant Colony Algorithm <b>2014</b> ,		1
348	Compact passively mode-locked fiber laser at 1.55 $\mu\text{m}$ with low timing jitter of 8 fs <b>2013</b> ,		1
347	Microfiber FabryPerot Interferometer for Dual-Parameter Sensing. <i>Journal of Lightwave Technology</i> , <b>2013</b> , 31, 1608-1615	4	25
346	Photonic generation of microwave waveforms with wide chirp tuning range. <i>Optics Communications</i> , <b>2013</b> , 304, 102-106	2	6
345	All-solid multi-core fiber-based multipath MachZehnder interferometer for temperature sensing. <i>Applied Physics B: Lasers and Optics</i> , <b>2013</b> , 112, 491-497	1.9	46
344	Programmable all-fiber structured waveshaper based on linearly chirped fiber Bragg grating and digital thermal controller. <i>Applied Physics B: Lasers and Optics</i> , <b>2013</b> , 112, 479-484	1.9	8
343	Magneto-optical fiber sensor based on magnetic fluid surrounded tilted fiber Bragg grating <b>2013</b> ,		1

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340	Generation of Time- and Wavelength-Interleaved Optical Pulse-Train With Tunable Pulsewidth Based on Dispersion and Sectional Compression. <i>Journal of Lightwave Technology</i> , <b>2013</b> , 31, 1106-1113	4	
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338	High Pulse Energy All-Fiber F-P Cavity Dissipative Soliton Laser. <i>IEEE Photonics Technology Letters</i> , <b>2013</b> , 25, 303-305	2.2	3
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335	Simultaneous measurement of relative humidity and temperature with PCF-MZI cascaded by fiber Bragg grating. <i>Optics Communications</i> , <b>2013</b> , 303, 42-45	2	46
334	A Selectable Multiband Bandpass Microwave Photonic Filter. <i>IEEE Photonics Journal</i> , <b>2013</b> , 5, 5500509-5500509	5.1	31
333	All-normal-dispersion passively mode-locked Yb-doped fiber ring laser based on a graphene oxide saturable absorber. <i>Laser Physics Letters</i> , <b>2013</b> , 10, 075108	1.5	39
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331	A pump power controlled 1,060 nm multiwavelength fiber ring laser using nonlinear polarization rotation of SOA. <i>Applied Physics B: Lasers and Optics</i> , <b>2013</b> , 110, 445-449	1.9	7
330	Simultaneous measurement of curvature and strain based on fiber Bragg grating in two-dimensional waveguide array fiber. <i>Optics Letters</i> , <b>2013</b> , 38, 4070-3	3	21
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322	Optical fiber humidity sensor based on Michelson interferometric structures <b>2013</b> ,		1
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