

Zuyuan He

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.

406
papers

5,593
citations

36
h-index

60
g-index

592
ext. papers

7,419
ext. citations

2.8
avg, IF

6.29
L-index

#	Paper	IF	Citations
406	Highly Sensitive Integrated Photonic Sensor and Interrogator Using Cascaded Silicon Microring Resonators. <i>Journal of Lightwave Technology</i> , 2022 , 1-1	4	0
405	White-light-driven resonant fiber-optic gyro based on round trip filtering scheme.. <i>Optics Letters</i> , 2022 , 47, 1137-1140	3	1
404	Navigation-grade resonant fiber-optic gyroscope using ultra-simple white-light multibeam interferometry. <i>Photonics Research</i> , 2022 , 10, 542	6	4
403	Single-exposure multi-wavelength diffraction imaging with blazed grating.. <i>Optics Letters</i> , 2022 , 47, 485-488	3.88	0
402	Structural Design of DC Magnet for Super-X Test Facility. <i>IEEE Transactions on Applied Superconductivity</i> , 2022 , 1-1	1.8	1
401	Frequency-switched photonic spiking neurons. <i>Optics Express</i> , 2022 , 30, 21599	3.3	2
400	Rayleigh speckle-based wavemeter with high dynamic range and fast reference speckle establishment process assisted by optical frequency combs. <i>Optics Letters</i> , 2021 , 46, 1241-1244	3	3
399	Directly Modulated VCSELs With Frequency Comb Injection for Parallel Communications. <i>Journal of Lightwave Technology</i> , 2021 , 39, 1348-1354	4	5
398	Review on Speckle-Based Spectrum Analyzer. <i>Photonic Sensors</i> , 2021 , 11, 187-202	2.3	5
397	Wavemeter Capable of Simultaneously Achieving Ultra-High Resolution and Broad Bandwidth by Using Rayleigh Speckle From Single Mode Fiber. <i>Journal of Lightwave Technology</i> , 2021 , 39, 2223-2229	4	6
396	Wideband and high-resolution spectroscopy based on an ultra-fine electro-optic frequency comb with seed lightwave selection via injection locking. <i>Optics Letters</i> , 2021 , 46, 1876-1879	3	2
395	Centimeter Spatial Resolution Distributed Temperature Sensor Based on Polarization-Sensitive Optical Frequency Domain Reflectometry. <i>Journal of Lightwave Technology</i> , 2021 , 39, 2594-2602	4	5
394	Preliminary Design of CFETR TF Prototype Coil. <i>Journal of Fusion Energy</i> , 2021 , 40, 1	1.6	3
393	On-Chip Selective Dual-Mode Switch for 2- μ m Wavelength High-Speed Optical Interconnection. <i>IEEE Photonics Technology Letters</i> , 2021 , 33, 483-486	2.2	6
392	High-resolution multi-planar coherent diffraction imaging with multimode fiber source. <i>Optics and Lasers in Engineering</i> , 2021 , 140, 106530	4.6	3
391	Ultra-compact X-shaped waveguide crossings with flexible angles based on inverse design. <i>Optics Express</i> , 2021 , 29, 19715-19726	3.3	2
390	Optical Fiber Distributed Acoustic Sensors: A Review. <i>Journal of Lightwave Technology</i> , 2021 , 39, 3671-3686	4.86	21

389	Distributed Fiber-Optic Acoustic Sensor for Sparse-Wideband Vibration Sensing With Time Delay Sampling. <i>IEEE Sensors Journal</i> , 2021 , 21, 13290-13295	4	0
388	. <i>Journal of Lightwave Technology</i> , 2021 , 39, 3846-3854	4	2
387	Guest Editorial - Guided Lightwaves for Sensors & Measurement Systems: Advanced Techniques and Applications. <i>Journal of Lightwave Technology</i> , 2021 , 39, 3623-3625	4	1
386	Ultra-Compact Low Loss Polymer Wavelength (De)Multiplexer With Spot-Size Convertor Using Topology Optimization. <i>IEEE Photonics Journal</i> , 2021 , 13, 1-9	1.8	0
385	Development of Real-Time Time Gated Digital (TGD) OFDR Method and Its Performance Verification. <i>Sensors</i> , 2021 , 21,	3.8	2
384	Slope-Assisted Brillouin-Based Distributed Fiber-Optic Sensing Techniques 2021 , 2021, 1-16		1
383	Machine Learning Assisted Inverse Design for Ultrafine, Dynamic and Arbitrary Gain Spectrum Shaping of Raman Amplification. <i>Photonics</i> , 2021 , 8, 260	2.2	1
382	Electromagnetic and Mechanical Analysis of DC Magnet for Super X Test Facility. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-5	1.8	
381	Suppression of the Interference Fading in Phase-Sensitive OTDR With Phase-Shift Transform. <i>Journal of Lightwave Technology</i> , 2021 , 39, 295-302	4	9
380	Preface to the special issue on distributed fiber optic sensing. <i>Optical Fiber Technology</i> , 2021 , 61, 102411-4		
379	Structural Design and Analysis of the BCC Lifting Frame. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 1-1	1.8	
378	Resonant fiber-optic strain and temperature sensor achieving thermal-noise-limit resolution. <i>Optics Express</i> , 2021 , 29, 1870-1878	3.3	6
377	High-resolution multi-wavelength lensless diffraction imaging with adaptive dispersion correction. <i>Optics Express</i> , 2021 , 29, 7197-7209	3.3	3
376	Light Field Optimization for Optical Wireless Power Transfer. <i>IEEE Photonics Journal</i> , 2021 , 13, 1-9	1.8	0
375	Photonic Convolution Neural Network Based on Interleaved Time-Wavelength Modulation. <i>Journal of Lightwave Technology</i> , 2021 , 39, 4592-4600	4	2
374	Final Design of the CFETR Central Solenoid Model Coil. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-4	1.8	
373	Quench Analysis of 5.8 T Conduction-Cooled Superconducting Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-5	1.8	1
372	Development of the Turn Releasing Technology for the Nb3Sn Pancake Coil of CFETR CSMC. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-5	1.8	1

371	Microwave frequency measurement with high accuracy and wide bandwidth based on whispering-gallery mode barcode. <i>Optics Letters</i> , 2021 , 46, 5008-5011	3	1
370	Direct bandwidth measurement of multimode waveguides based on an optical sampling technique. <i>Optics Letters</i> , 2021 , 46, 4908-4911	3	1
369	Real-time channel conditional distribution tracking for intelligent decoding of optical IMDD signals. <i>Optics Letters</i> , 2021 , 46, 4426-4429	3	0
368	High-throughput hardware deployment of pruned neural network based nonlinear equalization for 100-Gbps short-reach optical interconnect. <i>Optics Letters</i> , 2021 , 46, 4980-4983	3	1
367	Ultra-Compact Mode-Division Multiplexed Photonic Integrated Circuit for Dual Polarizations. <i>Journal of Lightwave Technology</i> , 2021 , 39, 5925-5932	4	6
366	Resolution Enhancement in Coherent Diffraction Imaging Using High Dynamic Range Image. <i>Photonics</i> , 2021 , 8, 370	2.2	1
365	Analysis and Verification of CRAFT TF Coil Turn Insulation Wrapping System. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-5	1.8	1
364	Preliminary Design of DC Magnet for Super-X Test Facility. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-6	1.8	2
363	A Finite Element Method for Predicting Equivalent Properties of 14T MRI Main Coil. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-5	1.8	
362	Qualitative Study On Cable Breakage of Nb ₃ Sn CICC Based On Direct Current Potential Drop Method. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-4	1.8	1
361	Experimental Research of the New Developed High-Jc Nb ₃ Sn Superconducting Strand for 14 T MRI Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-4	1.8	
360	Preliminary Mechanical Analysis of Nb ₃ Sn Rutherford Conductor. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-4	1.8	
359	Effect of Pitch Angle on the Winding Capacity of Nb ₃ Sn Rutherford Cable. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 1-1	1.8	
358	Frequency Response Enhancement of Phase-Sensitive OTDR for Interrogating Weak Reflector Array by Using OFDM and Vernier Effect. <i>Journal of Lightwave Technology</i> , 2020 , 38, 4874-4882	4	12
357	A Novel Wavemeter With 64 Attometer Spectral Resolution Based on Rayleigh Speckle Obtained From Single-Mode Fiber. <i>Journal of Lightwave Technology</i> , 2020 , 38, 4548-4554	4	5
356	A Reliability Analysis of CFETR CSMC Heat Treatment System Based on RPN-HAZOP Method. <i>IEEE Transactions on Plasma Science</i> , 2020 , 48, 1817-1821	1.3	3
355	Impact of Transverse Compression on the Sub-Element RRP Nb ₃ Sn Strand. <i>IEEE Transactions on Applied Superconductivity</i> , 2020 , 30, 1-4	1.8	0
354	Compressed Neural Network Equalization Based on Iterative Pruning Algorithm for 112-Gbps VCSEL-Enabled Optical Interconnects. <i>Journal of Lightwave Technology</i> , 2020 , 38, 1323-1329	4	7

353	Thermo-Optic Tunable Silicon Arrayed Waveguide Grating at 2- μ m Wavelength Band. <i>IEEE Photonics Journal</i> , 2020 , 12, 1-8	1.8	9
352	A New Enclosed Method for Transverse Mechanical Testing on CICC Conductors. <i>IEEE Transactions on Applied Superconductivity</i> , 2020 , 30, 1-5	1.8	
351	An Ultra-Compact 3-dB Power Splitter for Three Modes Based on Pixelated Meta-Structure. <i>IEEE Photonics Technology Letters</i> , 2020 , 32, 341-344	2.2	19
350	Ultra-Low-Loss Broadband All-Fiber Mode Selective Couplers for MIMO-Less MDM Transmission. <i>Journal of Lightwave Technology</i> , 2020 , 38, 2376-2382	4	7
349	Manufacture and Test of a Prototype Nb ₃ Sn-NbTi Joint Sample for the CFETR Central Solenoid Model Coil. <i>IEEE Transactions on Applied Superconductivity</i> , 2020 , 30, 1-5	1.8	1
348	Low-Latency and High-Speed Hollow-Core Fiber Optical Interconnection at 2-Micron Waveband. <i>Journal of Lightwave Technology</i> , 2020 , 38, 3874-3882	4	11
347	Intelligent gain flattening in wavelength and space domain for FMF Raman amplification by machine learning based inverse design. <i>Optics Express</i> , 2020 , 28, 11911-11920	3.3	6
346	Machine learning aided inverse design for few-mode fiber weak-coupling optimization. <i>Optics Express</i> , 2020 , 28, 21668-21681	3.3	8
345	Silicon-integrated dual-mode fiber-to-chip edge coupler for 2 \times 100 Gbps/ λ MDM optical interconnection. <i>Optics Express</i> , 2020 , 28, 33254-33262	3.3	6
344	Investigation on roughness-induced scattering loss of small-core polymer waveguides for single-mode optical interconnect applications. <i>Optics Express</i> , 2020 , 28, 38733-38744	3.3	4
343	Inverse design of few-mode fiber by Neural Network for weak-coupling optimization 2020 ,		2
342	Compressed Nonlinear Equalizers for Optical Interconnects: Efficiency and Stability 2020 ,		2
341	High-spatial-resolution fiber-optic distributed acoustic sensor based on EOFDR with enhanced crosstalk suppression. <i>Optics Letters</i> , 2020 , 45, 563	3	10
340	High-resolution wavemeter using Rayleigh speckle obtained by optical time domain reflectometry. <i>Optics Letters</i> , 2020 , 45, 799-802	3	11
339	White-light-driven resonant fiber-optic strain sensor. <i>Optics Letters</i> , 2020 , 45, 5217-5220	3	3
338	Chalcogenide glass photonic integration for improved 2 μ m optical interconnection. <i>Photonics Research</i> , 2020 , 8, 1484	6	11
337	Intelligent gain flattening of FMF Raman amplification by machine learning based inverse design 2020 ,		2
336	100-Gbps 100-m Hollow-Core Fiber Optical Interconnection at 2-micron waveband by PS-DMT 2020 ,		1

335	Distributed vibration detection and location using phase-sensitive optical frequency domain reflectometry 2020 ,		1
334	Silicon-microring-based interrogator for TDM-FBG sensors enabled by pulse compression. <i>Optics Letters</i> , 2020 , 45, 6402-6405	3	1
333	Chalcogenide Photonic Integration at 2 Micron with Improved Wavelength and Fabrication Dependency 2020 ,		1
332	Observation on temperature and strain dependency of Brillouin dynamic grating in a few-mode fiber with a ring-cavity configuration. <i>Optics Letters</i> , 2020 , 45, 2152-2155	3	0
331	Long-range and wide-band vibration sensing by using phase-sensitive OFDR to interrogate a weak reflector array. <i>Optics Express</i> , 2020 , 28, 18387-18396	3.3	10
330	Modulation nonlinearity characterization for rate-equation-based diode lasers using cross-correlation-calculation-enabled behavioral modeling. <i>Optics Letters</i> , 2020 , 45, 4284-4287	3	
329	An improved passive shimming approach to design correction iron pieces for high field MRI. <i>Review of Scientific Instruments</i> , 2020 , 91, 124105	1.7	2
328	R&D Activities of Joint Manufacture for CFETR CSMC. <i>Journal of Fusion Energy</i> , 2020 , 39, 361-366	1.6	
327	DC-Biased Optofluidic Biolaser for Uric Acid Detection. <i>Journal of Lightwave Technology</i> , 2020 , 38, 1557-1563	3	
326	Control and Diagnostic System for CFETR CSMC Testing Platform. <i>IEEE Transactions on Plasma Science</i> , 2020 , 48, 1789-1792	1.3	1
325	Highly Compact and Efficient Four-Mode Multiplexer Based on Pixelated Waveguides. <i>IEEE Photonics Technology Letters</i> , 2020 , 32, 166-169	2.2	15
324	Generalized Linear Optical Sampling Technique Realized by Using Non-Pulse Electro-Optic Frequency Comb Sampling Source. <i>IEEE Access</i> , 2020 , 8, 114259-114265	3.5	2
323	Development and Test Results of a Full-Size Joint Sample for the CFETR Central Solenoid Model Coil. <i>IEEE Transactions on Plasma Science</i> , 2020 , 48, 1822-1825	1.3	
322	Compressed Nonlinear Equalizers for 112-Gbps Optical Interconnects: Efficiency and Stability. <i>Sensors</i> , 2020 , 20,	3.8	3
321	. <i>Journal of Lightwave Technology</i> , 2020 , 38, 6379-6384	4	5
320	High-Speed Performance Evaluation of Graded-Index Multicore Fiber Compatible With Multimode and Quasi-single Mode Operation. <i>Journal of Lightwave Technology</i> , 2020 , 38, 6870-6878	4	1
319	Summary of NbTi Strand Performance for ITER PF Conductors in China. <i>IEEE Transactions on Applied Superconductivity</i> , 2020 , 30, 1-4	1.8	1
318	. <i>IEEE Photonics Journal</i> , 2019 , 11, 1-11	1.8	2

317	. <i>Journal of Lightwave Technology</i> , 2019 , 37, 4590-4596	4	9
316	Dynamic Strain Measurements Based on High-Speed Single-End-Access Brillouin Optical Correlation Domain Analysis. <i>Journal of Lightwave Technology</i> , 2019 , 37, 2557-2567	4	6
315	108-km Distributed Acoustic Sensor With 220-p ϵ /surd\$Hz Strain Resolution and 5-m Spatial Resolution. <i>Journal of Lightwave Technology</i> , 2019 , 37, 4462-4468	4	21
314	Feedforward Laser Linewidth Narrowing Scheme Using Acousto-Optic Frequency Shifter and Direct Digital Synthesizer. <i>Journal of Lightwave Technology</i> , 2019 , 37, 4657-4664	4	1
313	Realization of Sub-Nano-Strain Static Resolution With Injection-Locking Between Two Fiber Laser Sensors. <i>Journal of Lightwave Technology</i> , 2019 , 37, 3166-3172	4	7
312	Application-Oriented Investigation of Parasitic Limitation on Multilevel Modulation of High-Speed VCSELs. <i>IEEE Photonics Journal</i> , 2019 , 11, 1-10	1.8	3
311	Enhancement of Strain/Temperature Measurement Range and Spatial Resolution in Brillouin Optical Correlation Domain Analysis Based on Convexity Extraction Algorithm. <i>IEEE Access</i> , 2019 , 7, 32128-32136	2.5	36
310	Design of 125- μ m cladding diameter multicore fibers with high core multiplexing factor for wideband optical transmission. <i>Optical Fiber Technology</i> , 2019 , 50, 55-61	2.4	9
309	QAM classification methods by SVM machine learning for improved optical interconnection. <i>Optics Communications</i> , 2019 , 444, 1-8	2	8
308	Optical Fiber Humidity Sensor Based on Water Absorption Peak Near 2- μ m Waveband. <i>IEEE Photonics Journal</i> , 2019 , 11, 1-8	1.8	12
307	Properties of Toroidal Field Nb3Sn Strands Made for the ITER Chinese Domestic Agency. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-4	1.8	
306	Dyadic Probabilistic Shaping of PAM-4 and PAM-8 for Cost-Effective VCSEL-MMF Optical Interconnection. <i>IEEE Photonics Journal</i> , 2019 , 11, 1-11	1.8	14
305	Distributed Dynamic Strain Measurement Based on Dual-Slope-Assisted Brillouin Optical Correlation Domain Analysis. <i>Journal of Lightwave Technology</i> , 2019 , 37, 4573-4583	4	12
304	Phase-Dispersion Spectroscopy With High Spectral Resolution Using a Wideband Ultra-Linearly Swept Optical Source. <i>Journal of Lightwave Technology</i> , 2019 , 37, 3127-3137	4	4
303	Threshold-Based Pruned Retraining Volterra Equalization for 100 Gbps/Lane and 100-m Optical Interconnects Based on VCSEL and MMF. <i>Journal of Lightwave Technology</i> , 2019 , 37, 3222-3228	4	20
302	Pico-Strain Resolution Multiplexed Fiber Grating Sensor Array Interrogated With Mode-Locked Laser. <i>Journal of Lightwave Technology</i> , 2019 , 37, 4838-4843	4	4
301	Arbitrarily routed mode-division multiplexed photonic circuits for dense integration. <i>Nature Communications</i> , 2019 , 10, 3263	17.4	81
300	Distributed Fiber-Optic Dynamic-Strain Sensor With Sub-Meter Spatial Resolution and Single-Shot Measurement. <i>IEEE Photonics Journal</i> , 2019 , 11, 1-8	1.8	8

299	Intelligent 2-Dimensional Soft Decision Enabled by K-Means Clustering for VCSEL-Based 112-Gbps PAM-4 and PAM-8 Optical Interconnection. <i>Journal of Lightwave Technology</i> , 2019 , 37, 6133-6146	4	8
298	Single-mode polymer waveguides and devices for high-speed on-board optical interconnect application 2019 ,		2
297	Calibration-free Wavelength Measurement with Sub-femtometer Resolution Based on All-fiber Rayleigh Speckles 2019 ,		3
296	Broadband and high-resolution electro-optic dual-comb interferometer with frequency agility. <i>Optics Express</i> , 2019 , 27, 9266-9275	3-3	15
295	Frequency-resolved adaptive probabilistic shaping for DMT-modulated IM-DD optical interconnects. <i>Optics Express</i> , 2019 , 27, 12241-12254	3-3	22
294	Programmable matrix operation with reconfigurable time-wavelength plane manipulation and dispersed time delay. <i>Optics Express</i> , 2019 , 27, 20456-20467	3-3	10
293	Directly inscribed multimode polymer waveguide and 3D device for high-speed and high-density optical interconnects. <i>Optics Express</i> , 2019 , 27, 22419-22428	3-3	4
292	Fiber-optic distributed acoustic sensor based on a chirped pulse and a non-matched filter. <i>Optics Express</i> , 2019 , 27, 29415-29424	3-3	17
291	Ultra-compact and polarization-insensitive MMI coupler based on inverse design 2019 ,		1
290	Fast MHz spectral-resolution dual-comb spectroscopy with electro-optic modulators. <i>Optics Letters</i> , 2019 , 44, 65-68	3	11
289	Quasi-distributed fiber-optic acoustic sensing system based on pulse compression technique and phase-noise compensation. <i>Optics Letters</i> , 2019 , 44, 5969-5972	3	14
288	K-means assisted soft decision of PAM4 to mitigate level nonlinearity and level-dependent noise for VCSEL-based 100-Gbps 100-m MMF optical interconnection 2019 ,		3
287	Phase Noise Compensation for Ultra-highly Sensitive Fiber-optic Quasi-distributed Acoustic Sensing System 2019 ,		1
286	Real-time interrogation of multiplexed FBG strain sensors based on a thermally tunable microring resonator array 2019 ,		1
285	Miniature interrogator for multiplexed FBG strain sensors based on a thermally tunable microring resonator array. <i>Optics Express</i> , 2019 , 27, 6037-6046	3-3	9
284	Large-size directly inscribed polymer waveguide device for card-to-card optical interconnects application 2019 ,		1
283	Wideband multimode fiber with an optimized core size and fluorine-doped cladding for high-speed SWDM and CWDM transmission. <i>Optics Express</i> , 2019 , 27, 15433-15443	3-3	2
282	Single lane 90-Gbps optical interconnection at 2-micron waveband 2019 ,		1

281	Electro-Optical Co-Design of Power-Efficient 100-Gbps/VCSSEL Transmitter. <i>IEEE Photonics Journal</i> , 2019 , 11, 1-11	1.8	
280	Biochemical sensing in graphene-enhanced microfiber resonators with individual molecule sensitivity and selectivity. <i>Light: Science and Applications</i> , 2019 , 8, 107	16.7	42
279	Probabilistically shaped 100G IM-DD optical interconnection 2019 ,		1
278	p \$varepsilon\$ -Resolution Fiber Grating Sensor With Adjustable Measurement Range and Ultralow Probe Power. <i>IEEE Photonics Technology Letters</i> , 2019 , 31, 19-22	2.2	11
277	Phase-Noise-Compensated OFDR Realized Using Hardware-Adaptive Algorithm for Real-Time Processing. <i>Journal of Lightwave Technology</i> , 2019 , 37, 2634-2640	4	4
276	Structural Design and Analysis of the Feeder in the CFETR CS Model Coil Cryogenic Test Facility. <i>IEEE Transactions on Plasma Science</i> , 2019 , 47, 897-901	1.3	2
275	Uniaxial Strain Induced Critical Current Degradation of Ag-Sheathed Bi-2212 Round Wire. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-4	1.8	5
274	Quench Detection Design for CFETR CSMC. <i>Fusion Science and Technology</i> , 2018 , 74, 229-237	1.1	5
273	Development of the Helium Inlet and Outlet for the CFETR Central Solenoid Model Coil. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-5	1.8	3
272	Research on Nondestructive Examination of Bracket Welds of ITER In-Vessel Coils (IVC). <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-5	1.8	4
271	\$2-\mu\$ m Wavelength Grating Coupler, Bent Waveguide, and Tunable Microring on Silicon Photonic MPW. <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 471-474	2.2	23
270	Nonlinear Distortion Mitigation by Machine Learning of SVM Classification for PAM-4 and PAM-8 Modulated Optical Interconnection. <i>Journal of Lightwave Technology</i> , 2018 , 36, 650-657	4	43
269	Time skewing and amplitude nonlinearity mitigation by feedback equalization for 56 Gbps VCSSEL-based PAM-4 links. <i>Optics Communications</i> , 2018 , 410, 909-915	2	7
268	Frequency Response Enhancement of Direct-Detection Phase-Sensitive OTDR by Using Frequency Division Multiplexing. <i>Journal of Lightwave Technology</i> , 2018 , 36, 1197-1203	4	36
267	Conceptual Design of CFETR CS Model Coil Structure. <i>IEEE Transactions on Plasma Science</i> , 2018 , 46, 1507-1511	1.3	10
266	Structural Stress Analysis of the CFETR Central Solenoid Model Coil. <i>IEEE Transactions on Plasma Science</i> , 2018 , 46, 1512-1516	1.3	10
265	Conceptual Design of the Power Supply System for the CFETR CS Model Coil. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-5	1.8	5
264	Microstructure and Mechanical Properties of High Manganese Steel Processed by Cold Working and Aging at 4.2 K. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-5	1.8	1

263	The Generation and Assembly of Laser-Induced Microbubbles. <i>Journal of Lightwave Technology</i> , 2018 , 36, 2492-2498	4	9
262	Quench Protection of the Central Solenoid Model Coil for the CFETR. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-6	1.8	7
261	Winding R&D for CFETR Central Solenoid Model Coil. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-5	1.8	8
260	Fiber Optofluidic Microlaser With Lateral Single Mode Emission. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2018 , 24, 1-6	3.8	23
259	Design and Analysis of CFETR CSMC Cooling Loop. <i>IEEE Transactions on Plasma Science</i> , 2018 , 46, 2242-2246	1.8	2
258	A Numerical Adiabatic Model for the Quench Behavior Analysis of the Ag-Matrix Bi-2212 Round Wire. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-6	1.8	
257	Machine Learning Adaptive Receiver for PAM-4 Modulated Optical Interconnection Based on Silicon Microring Modulator. <i>Journal of Lightwave Technology</i> , 2018 , 36, 4106-4113	4	13
256	Highly sensitive quasi-distributed fiber-optic acoustic sensing system by interrogating a weak reflector array. <i>Optics Letters</i> , 2018 , 43, 3594-3597	3	29
255	Linear optical sampling technique for simultaneously characterizing WDM signals with a single receiving channel. <i>Optics Express</i> , 2018 , 26, 2089-2098	3.3	4
254	Orientation-insensitive azimuthally asymmetric mode rotator using chirally-coupled-core fiber. <i>Optics Express</i> , 2018 , 26, 5146-5153	3.3	5
253	Dynamic strain measurement with kHz-level repetition rate and centimeter-level spatial resolution based on Brillouin optical correlation domain analysis. <i>Optics Express</i> , 2018 , 26, 6916-6928	3.3	29
252	Multimode and single-mode fiber compatible graded-index multicore fiber for high density optical interconnect application. <i>Optics Express</i> , 2018 , 26, 11639-11648	3.3	5
251	High speed and small footprint silicon micro-ring modulator assembly for space-division-multiplexed 100-Gbps optical interconnection. <i>Optics Express</i> , 2018 , 26, 13721-13729	3.3	9
250	Few-mode multicore fiber enabled integrated Mach-Zehnder interferometers for temperature and strain discrimination. <i>Optics Express</i> , 2018 , 26, 15332-15342	3.3	23
249	High-fidelity distributed fiber-optic acoustic sensor with fading noise suppressed and sub-meter spatial resolution. <i>Optics Express</i> , 2018 , 26, 16138-16146	3.3	51
248	3D polymer directional coupler for on-board optical interconnects at 1550 nm. <i>Optics Express</i> , 2018 , 26, 16344-16351	3.3	9
247	Hybrid dual-comb interferometer with easily established mutual coherence and a very high refresh rate. <i>Optics Letters</i> , 2018 , 43, 3441-3444	3	3
246	Optical Graphene Gas Sensors Based on Microfibers: A Review. <i>Sensors</i> , 2018 , 18,	3.8	32

245	Coherent Pound-Drever-Hall Technique for High Resolution Fiber-Optic Sensors at Low Probe Power. <i>Journal of Lightwave Technology</i> , 2018 , 36, 1026-1031	4	6
244	Experimental Study on Bi-2212 Cable-in-Conduit Conductor. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-4	1.8	6
243	Long-range Raman distributed temperature sensor with high spatial and temperature resolution using graded-index few-mode fiber. <i>Optics Express</i> , 2018 , 26, 20562-20571	3.3	33
242	Mode-interference-induced oscillation in propagation speed of fiber fuse in few-mode fibers. <i>Optics Letters</i> , 2018 , 43, 4252-4255	3	2
241	High-Speed Traveling-Wave Modulator Based on Graphene and Microfiber. <i>Journal of Lightwave Technology</i> , 2018 , 36, 4730-4735	4	11
240	Inversely Designed 1 × 4 Power Splitter With Arbitrary Ratios at 2- μ m Spectral Band. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-6	1.8	15
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237	Enhancing strain dynamic range of slope-assisted BOTDA by manipulating Brillouin gain spectrum shape. <i>Optics Express</i> , 2018 , 26, 32599-32607	3.3	16
236	Simultaneous 40-channel DWDM-DPSK Signal Monitoring System Realized by Using Single-Channel Linear Optical Sampling Technique 2018 ,		2
235	Observation of fiber fuse propagation speed oscillation due to inter-mode interference in two-mode fibers 2018 ,		1
234	A Review on Advances in Fiber-optic Distributed Acoustic Sensors (DAS) 2018 ,		2
233	First Demonstration of Orbital Angular Momentum (OAM) Distributed Raman Amplifier over 18-km OAM Fiber with Data-Carrying OAM Multiplexing and Wavelength-Division Multiplexing 2018 ,		6
232	Pico-strain resolution multiplexed fiber grating sensor array using one mode-locked laser 2018 ,		2
231	Quasi-distributed Fiber-optic Acoustic Sensor using Ultra-weak Reflecting Point Array 2018 ,		2
230	Silicon micro-ring modulator assembly for multi-core fiber based SDM optical interconnection 2018 ,		1
229	Fading-suppressed Distributed Fiber-optic Acoustic Sensor with 0.8-m Spatial Resolution and 246-pHz Strain Resolution 2018 ,		1
228	Broadband gate-tunable terahertz plasmons in graphene heterostructures. <i>Nature Photonics</i> , 2018 , 12, 22-28	33.9	83

227	A Long-range Fiber-optic Raman Distributed Temperature Sensor Based on Dual-source Scheme and RZ Simplex Coding 2018 ,		5
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224	Machine Learning Detection for DMT Modulated 112-Gbps VCSEL-MMF Optical Interconnection 2018 ,		2
223	Digital-RF-Synthesizer-Based Laser Phase Noise Compensation Method for Optical Fiber Sensors 2018 ,		1
222	Directly inscribed mode (de)multiplexer over C-band based on tapered mode-selective coupler 2018 ,		1
221	Advances in Fiber-optic Distributed Acoustic Sensors 2018 ,		2
220	SVM Classification Comparison for QAM Modulated Optical Interconnection 2018 ,		3
219	Investigation of radiation effect on single-mode fiber for distributed radiation sensing application 2018 ,		1
218	Design and Characterization of Ring-Assisted Few-Mode Fibers for Weakly Coupled Mode-Division Multiplexing Transmission. <i>Journal of Lightwave Technology</i> , 2018 , 36, 5547-5555	4	25
217	Experimental demonstration of a few-mode Raman amplifier with a flat gain covering 1530-1605 nm. <i>Optics Letters</i> , 2018 , 43, 4530	3	7
216	Mechanical Properties of ITER CICC Jacket in China. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-5	1.8	0
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213	Ultrahigh Resolution Fiber Bragg Grating Sensors for Quasi-Static Crustal Deformation Measurement. <i>Journal of Lightwave Technology</i> , 2017 , 35, 3334-3346	4	13
212	Manufacturing of Nb ₃ Sn Sample Conductor for CFETR Central Solenoid Model Coil. <i>IEEE Transactions on Applied Superconductivity</i> , 2017 , 27, 1-5	1.8	14
211	Impact of Indentation on the Performance of MgB ₂ Round Wire. <i>IEEE Transactions on Applied Superconductivity</i> , 2017 , 27, 1-4	1.8	2
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201	Machine learning of SVM classification utilizing complete binary tree structure for PAM-4/8 optical interconnection 2017 ,		3
200	A 32Gb/s-NRZ, 15GBaud/s-PAM4 DFB laser driver with active back-termination in 65nm CMOS 2017 ,		1
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194	A 51Gb/s, 320mW, PAM4 CDR with baud-rate sampling for high-speed optical interconnects 2017 ,		11
193	Effect of kGy dose level gamma radiation on Ge-doped FBGs and femtosecond-laser-inscribed pure-silica-core FBGs 2017 ,		1
192	High speed DPSK modulation up to 30 Gbps for short reach optical communications using a silicon microring modulator 2017 ,		1

191	Machine learning assisted optical interconnection 2017 ,		1
190	Wideband Dispersion Flattening for Whispering Gallery Mode Microresonators Fabricated by Laser Micromachining. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-8	1.8	1
189	Birefringence Variation Independent Fiber-Optic Current Sensor Using Real-Time SOP Measurement. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-9	1.8	4
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178	Hybrid Dual-comb Interferometer Using Electro-optic Comb and Free-running Femtosecond Laser 2017 ,		1
177	Real-Time Observation of Microsecond-Order Periodic Velocity Change of Fiber Fuse using Heterodyne Detection 2017 ,		2
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