

Weisheng Hu

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5347814/weisheng-hu-publications-by-citations.pdf>
Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

425 papers	4,353 citations	30 h-index	44 g-index
534 ext. papers	5,791 ext. citations	2.7 avg, IF	5.98 L-index

#	Paper	IF	Citations
425	Multicasting optical cross connects employing splitter-and-delivery switch. <i>IEEE Photonics Technology Letters</i> , 1998 , 10, 970-972	2.2	109
424	Photonic crystal channel drop filter with a wavelength-selective reflection micro-cavity. <i>Optics Express</i> , 2006 , 14, 2446-58	3.3	97
423	Mode-locked thulium fiber laser with MoS ₂ . <i>Laser Physics Letters</i> , 2015 , 12, 065104	1.5	96
422	Chaotic optical communications over 100-km fiber transmission at 30-Gb/s bit rate. <i>Optics Letters</i> , 2018 , 43, 1323-1326	3	70
421	OPTICAL PROPERTIES OF PULSED LASER DEPOSITED ZnO THIN FILMS. <i>Journal of Physics and Chemistry of Solids</i> , 1997 , 58, 853-857	3.9	64
420	Machine Learning for 100 Gb/s/Passive Optical Network. <i>Journal of Lightwave Technology</i> , 2019 , 37, 1621-1630	4	58
419	. <i>Journal of Lightwave Technology</i> , 2020 , 38, 492-503	4	56
418	Chaos-Based Partial Transmit Sequence Technique for Physical Layer Security in OFDM-PON. <i>IEEE Photonics Technology Letters</i> , 2015 , 27, 2429-2432	2.2	55
417	Bandwidth-tunable narrowband rectangular optical filter based on stimulated Brillouin scattering in optical fiber. <i>Optics Express</i> , 2014 , 22, 23249-60	3.3	55
416	Self-interference cancellation using dual-drive Mach-Zehnder modulator for in-band full-duplex radio-over-fiber system. <i>Optics Express</i> , 2015 , 23, 33205-13	3.3	47
415	Modified design of photonic crystal fibers with flattened dispersion. <i>Optics and Laser Technology</i> , 2006 , 38, 169-172	4.2	47
414	Symmetric 40-Gb/s TWDM-PON With 39-dB Power Budget. <i>IEEE Photonics Technology Letters</i> , 2013 , 25, 644-647	2.2	46
413	Photonic microwave phase shifter/modulator based on a nonlinear optical loop mirror incorporating a Mach-Zehnder interferometer. <i>Optics Letters</i> , 2007 , 32, 745-7	3	44
412	Intelligent programmable mode-locked fiber laser with a human-like algorithm. <i>Optica</i> , 2019 , 6, 362	8.6	40
411	Performance comparison of DML, EML and MZM in dispersion-unmanaged short reach transmissions with digital signal processing. <i>Optics Express</i> , 2018 , 26, 34288-34304	3.3	39
410	Chaotic Walsh-Hadamard Transform for Physical Layer Security in OFDM-PON. <i>IEEE Photonics Technology Letters</i> , 2017 , 29, 527-530	2.2	38
409	Joint scheduling for optical grid applications. <i>Journal of Optical Networking</i> , 2007 , 6, 304		38

408	A Key Space Enhanced Chaotic Encryption Scheme for Physical Layer Security in OFDM-PON. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-10	1.8	37
407	Application of Machine Learning in Fiber Nonlinearity Modeling and Monitoring for Elastic Optical Networks. <i>Journal of Lightwave Technology</i> , 2019 , 37, 3055-3063	4	36
406	Optimized design of two-pump fiber optical parametric amplifier with two-section nonlinear fibers using genetic algorithm. <i>Optics Express</i> , 2004 , 12, 5603-13	3.3	36
405	Pulsed excimer (KrF) laser induced crystallization of PbZr _{0.44} Ti _{0.56} O ₃ amorphous films. <i>Applied Physics Letters</i> , 1995 , 66, 2481-2483	3.4	35
404	28 Gb/s duobinary signal transmission over 40 km based on 10 GHz DML and PIN for 100 Gb/s PON. <i>Optics Express</i> , 2015 , 23, 20249-56	3.3	33
403	Chaotic Constellation Mapping for Physical-Layer Data Encryption in OFDM-PON. <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 339-342	2.2	33
402	32 Gb/s chaotic optical communications by deep-learning-based chaos synchronization. <i>Optics Letters</i> , 2019 , 44, 5776-5779	3	33
401	Polarization-Independent Rectangular Microwave Photonic Filter Based on Stimulated Brillouin Scattering. <i>Journal of Lightwave Technology</i> , 2016 , 34, 669-675	4	32
400	Multiple Access Scheme Based on Block Encoding Time Division Multiplexing in an Indoor Positioning System Using Visible Light. <i>Journal of Optical Communications and Networking</i> , 2015 , 7, 489	4.1	32
399	Low-Latency Dynamic Wavelength and Bandwidth Allocation Algorithm for NG-EPON. <i>Journal of Optical Communications and Networking</i> , 2017 , 9, 1108	4.1	31
398	Properties of index-guided PCF with air-core. <i>Optics and Laser Technology</i> , 2007 , 39, 317-321	4.2	31
397	Dispersion and polarization properties of elliptical air-hole-containing photonic crystal fibers. <i>Optics and Laser Technology</i> , 2007 , 39, 913-917	4.2	30
396	Preparation of c-axis oriented ZnO optical waveguiding films on fused silica by pulsed laser reactive ablation. <i>Materials Letters</i> , 1995 , 25, 5-8	3.3	30
395	Pulsed-laser deposition and optical properties of completely (001) textured optical waveguiding LiNbO ₃ films upon SiO ₂ /Si substrates. <i>Optics Letters</i> , 1996 , 21, 946-8	3	30
394	Chaotic image encryption algorithm using frequency-domain DNA encoding. <i>IET Image Processing</i> , 2019 , 13, 1535-1539	1.7	29
393	Delay of Broadband Signals Using Slow Light in Stimulated Brillouin Scattering With Phase-Modulated Pump. <i>IEEE Photonics Technology Letters</i> , 2007 , 19, 619-621	2.2	29
392	Intensity directed equalizer for the mitigation of DML chirp induced distortion in dispersion-unmanaged C-band PAM transmission. <i>Optics Express</i> , 2017 , 25, 28123	3.3	28
391	Numerical analysis of concentration quenching model of Er ³⁺ /sup 3+/-doped phosphate fiber amplifier. <i>IEEE Journal of Quantum Electronics</i> , 2003 , 39, 1266-1271	2	28

390	Nonlinearity-aware 200 Gbit/s DMT transmission for C-band short-reach optical interconnects with a single packaged electro-absorption modulated laser. <i>Optics Letters</i> , 2018 , 43, 182-185	3	27
389	Low electric field induced (001) oriented growth of LiNbO ₃ films by pulsed laser ablation. <i>Solid State Communications</i> , 1996 , 97, 481-485	1.6	27
388	The role of an electric field applied during pulsed laser deposition of LiNbO ₃ and LiTaO ₃ on the film orientation. <i>Journal of Applied Physics</i> , 1996 , 80, 7089-7093	2.5	26
387	Performance Evaluation of XG-PON Based Mobile Front-Haul Transport in Cloud-RAN Architecture. <i>Journal of Optical Communications and Networking</i> , 2017 , 9, 984	4.1	24
386	Experimental Demonstration of Symmetric 100-Gb/s DML-Based TWDM-PON System. <i>IEEE Photonics Technology Letters</i> , 2015 , 27, 470-473	2.2	23
385	Phase drift cancellation of remote radio frequency transfer using an optoelectronic delay-locked loop. <i>Optics Letters</i> , 2011 , 36, 873-5	3	23
384	Comparative study of laser ablation techniques for fabricating nanocrystalline SnO ₂ thin films for sensors. <i>Materials Letters</i> , 1996 , 28, 369-372	3.3	23
383	Time-Shifted Multilayer Graph: A Routing Framework for Bulk Data Transfer in Optical Circuit-Switched Networks With Assistive Storage. <i>Journal of Optical Communications and Networking</i> , 2016 , 8, 162	4.1	23
382	Performance-Improved Secure OFDM Transmission Using Chaotic Active Constellation Extension. <i>IEEE Photonics Technology Letters</i> , 2017 , 29, 991-994	2.2	22
381	Coherence enhancement of a chirped DFB laser for frequency-modulated continuous-wave reflectometry using a composite feedback loop. <i>Optics Letters</i> , 2015 , 40, 4500-3	3	22
380	Intelligent control of mode-locked femtosecond pulses by time-stretch-assisted real-time spectral analysis. <i>Light: Science and Applications</i> , 2020 , 9, 13	16.7	22
379	Secure Transmission of Optical DFT-S-OFDM Data Encrypted by Digital Chaos. <i>IEEE Photonics Journal</i> , 2016 , 8, 1-9	1.8	22
378	100-Gb/s TWDM-PON based on 10G optical devices. <i>Optics Express</i> , 2016 , 24, 12941-8	3.3	22
377	Generation and phase noise analysis of a wide optoelectronic oscillator with ultra-high resolution based on stimulated Brillouin scattering. <i>Optics Express</i> , 2018 , 26, 16113-16124	3.3	22
376	Distribution of high-stability 10 GHz local oscillator over 100 km optical fiber with accurate phase-correction system. <i>Optics Letters</i> , 2014 , 39, 888-91	3	22
375	Pulsed laser deposition of (001) textured LiNbO ₃ films on Al ₂ O ₃ /SiO ₂ /Si substrate. <i>Applied Surface Science</i> , 1999 , 141, 197-200	6.7	22
374	Reservoir computing system with double optoelectronic feedback loops. <i>Optics Express</i> , 2019 , 27, 27431-27440	3.3	22
373	Secure OFDM Transmission Precoded by Chaotic Discrete Hartley Transform. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-9	1.8	22

372	Polar-Coded MIMO FSO Communication System Over Gamma-Gamma Turbulence Channel With Spatially Correlated Fading. <i>Journal of Optical Communications and Networking</i> , 2018 , 10, 915	4.1	22
371	. <i>IEEE/ACM Transactions on Networking</i> , 2015 , 23, 491-504	3.8	21
370	Digital mobile fronthaul employing differential pulse code modulation with suppressed quantization noise. <i>Optics Express</i> , 2017 , 25, 31921-31936	3.3	21
369	Brillouin Rectangular Optical Filter With Improved Selectivity and Noise Performance. <i>IEEE Photonics Technology Letters</i> , 2015 , 27, 1593-1596	2.2	20
368	Key Distribution Based on Phase Fluctuation Between Polarization Modes in Optical Channel. <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 704-707	2.2	20
367	Spectrally efficient digitized radio-over-fiber system with k-means clustering-based multidimensional quantization. <i>Optics Letters</i> , 2018 , 43, 1546-1549	3	20
366	Chaos-based selected mapping scheme for physical layer security in OFDM-PON. <i>Electronics Letters</i> , 2015 , 51, 1429-1431	1.1	20
365	Improved slow-light performance of 10 Gb/s NRZ, PSBT and DPSK signals in fiber broadband SBS. <i>Optics Express</i> , 2007 , 15, 16972-9	3.3	20
364	Design of fiber-optical parametric amplifiers by genetic algorithm. <i>IEEE Photonics Technology Letters</i> , 2004 , 16, 1652-1654	2.2	20
363	Symmetric 100-Gb/s TWDM-PON in O-Band Based on 10G-Class Optical Devices Enabled by Dispersion-Supported Equalization. <i>Journal of Lightwave Technology</i> , 2018 , 36, 580-586	4	20
362	Fourier transform-limited optical frequency-modulated continuous-wave interferometry over several tens of laser coherence lengths. <i>Optics Letters</i> , 2016 , 41, 2962-5	3	19
361	Power budget improvement of symmetric 40-Gb/s DML-based TWDM-PON system. <i>Optics Express</i> , 2014 , 22, 6925-33	3.3	19
360	Channel drop filter in two-dimensional triangular lattice photonic crystals. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2007 , 24, A7-11	1.8	19
359	Design and System Demonstration of a Tunable Slow-Light Delay Line Based on Fiber Parametric Process. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 2575-2577	2.2	19
358	Experimental study of wideband in-band full-duplex communication based on optical self-interference cancellation. <i>Optics Express</i> , 2016 , 24, 30139-30148	3.3	19
357	Software-defined microwave photonic filter with high reconfigurable resolution. <i>Scientific Reports</i> , 2016 , 6, 35621	4.9	19
356	Chaotic Encryption Algorithm Against Chosen-Plaintext Attacks in Optical OFDM Transmission. <i>IEEE Photonics Technology Letters</i> , 2016 , 28, 2499-2502	2.2	19
355	Photonic radio-frequency dissemination via optical fiber with high-phase stability. <i>Optics Letters</i> , 2015 , 40, 2618-21	3	18

354	Flexible Wavelength and Dynamic Bandwidth Allocation for NG-EPONs. <i>Journal of Optical Communications and Networking</i> , 2018 , 10, 643	4.1	18
353	Compatible TDM/WDM PON Using a Single Tunable Optical Filter for Both Downstream Wavelength Selection and Upstream Wavelength Generation. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 797-799	2.2	18
352	Pulsed laser deposition of /MgO bilayered films on Si wafer in waveguide form. <i>Journal Physics D: Applied Physics</i> , 1996 , 29, 1632-1635	3	18
351	Chaotic Optical Communication Over 1000 km Transmission by Coherent Detection. <i>Journal of Lightwave Technology</i> , 2020 , 38, 4648-4655	4	18
350	Error-free secure key generation and distribution using dynamic Stokes parameters. <i>Optics Express</i> , 2019 , 27, 29207-29216	3.3	18
349	Field Demonstration of a Real-Time 100-Gb/s PON Based on 10G-Class Optical Devices. <i>Journal of Lightwave Technology</i> , 2017 , 35, 1914-1921	4	17
348	Photonic generation of millimeter and terahertz waves with high phase stability. <i>Optics Letters</i> , 2014 , 39, 1493-6	3	17
347	Task Scheduling and Lightpath Establishment in Optical Grids 2008 ,		17
346	High birefringence photonic bandgap fiber with elliptical air holes. <i>Optical Fiber Technology</i> , 2006 , 12, 265-267	2.4	17
345	FBG-based bidirectional optical cross connects for bidirectional WDM ring networks. <i>Journal of Lightwave Technology</i> , 2004 , 22, 2710-2721	4	17
344	Nonlinear Tomlinson-Harashima precoding for direct-detected double sideband PAM-4 transmission without dispersion compensation. <i>Optics Express</i> , 2019 , 27, 19156-19167	3.3	17
343	Soft Failure Identification for Long-haul Optical Communication Systems Based on One-dimensional Convolutional Neural Network. <i>Journal of Lightwave Technology</i> , 2020 , 38, 2992-2999	4	16
342	Energy Efficient TWDM Multi-PON System With Wavelength Relocation. <i>Journal of Optical Communications and Networking</i> , 2014 , 6, 571	4.1	16
341	Chaotic Nonlinear Encryption Scheme for CPAs Resistance and PAPR Reduction in OFDM-PON. <i>IEEE Photonics Technology Letters</i> , 2017 , 29, 2147-2150	2.2	16
340	Simultaneous DPSK demodulation and chirp management using delay interferometer in symmetric 40-Gb/s capability TWDM-PON system. <i>Optics Express</i> , 2013 , 21, 16528-35	3.3	16
339	Photonic radio-frequency phase shifter based on polarization interference. <i>Optics Letters</i> , 2009 , 34, 2375-7	3.7	16
338	Preparation of nanocrystalline SnO ₂ thin films used in chemisorption sensors by pulsed laser reactive ablation. <i>Journal of Materials Science: Materials in Electronics</i> , 1997 , 8, 155-158	2.1	16
337	Accelerated key generation and distribution using polarization scrambling in optical fiber. <i>Optics Express</i> , 2019 , 27, 35761-35773	3.3	16

336	Comparative study of cost-effective coherent and direct detection schemes for 100 Gb/s/PON. <i>Journal of Optical Communications and Networking</i> , 2020 , 12, D36	4.1	15
335	Congestion-Aware Embedding of Heterogeneous Bandwidth Virtual Data Centers With Hose Model Abstraction. <i>IEEE/ACM Transactions on Networking</i> , 2017 , 25, 806-819	3.8	15
334	Symmetric 40-Gb/s, 100-km Passive Reach TWDM-PON with 53-dB Loss Budget. <i>Journal of Lightwave Technology</i> , 2014 , 32, 3991-3998	4	15
333	Distribution of high-stability 100.04 GHz millimeter wave signal over 60 km optical fiber with fast phase-error-correcting capability. <i>Optics Letters</i> , 2014 , 39, 2849-52	3	15
332	Design and analysis of two-dimensional photonic crystals channel filter. <i>Optics Communications</i> , 2006 , 266, 342-348	2	15
331	Ultra-selective flexible add and drop multiplexer using rectangular optical filters based on stimulated Brillouin scattering. <i>Optics Express</i> , 2015 , 23, 19010-21	3.3	14
330	50 Gbps PAM-4 Over Up to 80-km Transmission With C-Band DML Enabled by Post-Equalizer. <i>IEEE Photonics Technology Letters</i> , 2020 , 32, 643-646	2.2	14
329	Power Budget Improved Symmetric 40-Gb/s Long Reach Stacked WDM-OFDM-PON System Based on Single Tunable Optical Filter. <i>IEEE Photonics Journal</i> , 2014 , 6, 1-8	1.8	14
328	Adaptive Registration in TWDM-PON With ONU Migrations. <i>Journal of Optical Communications and Networking</i> , 2014 , 6, 943	4.1	14
327	ONU migration in dynamic Time and Wavelength Division Multiplexed Passive Optical Network (TWDM-PON). <i>Optics Express</i> , 2013 , 21, 21491-9	3.3	14
326	Virtualized optical network services across multiple domains for grid applications 2011 , 49, 92-101		14
325	Low noise figure all-optical gain-clamped parallel C+L band Erbium-doped fiber amplifier using an interleaver. <i>Optics Express</i> , 2005 , 13, 4519-24	3.3	14
324	Pulsed laser deposition of c-oriented LiNbO ₃ /LiTaO ₃ optical waveguiding bilayered films on silicon wafers. <i>Journal of Crystal Growth</i> , 1996 , 165, 187-190	1.6	14
323	Chirp-aided power fading mitigation for upstream 100 km full-range long reach PON with DBR DML. <i>Optics Communications</i> , 2018 , 407, 63-68	2	13
322	A Study of Modular AWGs for Large-Scale Optical Switching Systems. <i>Journal of Lightwave Technology</i> , 2012 , 30, 2125-2133	4	13
321	Key technologies and system proposals of TWDM-PON. <i>Frontiers of Optoelectronics</i> , 2013 , 6, 46-56	2.8	13
320	Dynamic frequency-noise spectrum measurement for a frequency-swept DFB laser with short-delayed self-heterodyne method. <i>Optics Express</i> , 2015 , 23, 29245-57	3.3	13
319	Improved gain characteristics of high concentration erbium-doped phosphate fiber amplifier. <i>IEEE Photonics Technology Letters</i> , 2004 , 16, 774-776	2.2	13

318	AI-Based Modeling and Monitoring Techniques for Future Intelligent Elastic Optical Networks. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 363	2.6	13
317	Bandwidth Resource Sharing on the XG-PON Transmission Convergence Layer in a Multi-operator Scenario. <i>Journal of Optical Communications and Networking</i> , 2016 , 8, 835	4.1	13
316	Dynamic QAM Mapping for Physical-Layer Security Using Digital Chaos. <i>IEEE Access</i> , 2018 , 6, 47199-47205	3.5	13
315	Dynamic Wavelength and Bandwidth Allocation Algorithms for Mitigating Frame Reordering in NG-EPON. <i>Journal of Optical Communications and Networking</i> , 2018 , 10, 220	4.1	13
314	Energy-efficient Dynamic Bandwidth Allocation for EPON networks with sleep mode ONUs. <i>Optical Switching and Networking</i> , 2015 , 15, 121-133	1.6	12
313	Low-Cost WDM Fronthaul Enabled by Partitioned Asymmetric AWGR With Simultaneous Flexible Transceiver Assignment and Chirp Management. <i>Journal of Optical Communications and Networking</i> , 2017 , 9, 876	4.1	12
312	Modular AWG-based Interconnection for Large-Scale Data Center Networks. <i>IEEE Transactions on Cloud Computing</i> , 2018 , 6, 785-799	3.3	12
311	Highly Sensitive Intensity Detection by a Self-Interference Micro-Ring Resonator. <i>IEEE Photonics Technology Letters</i> , 2016 , 28, 1469-1472	2.2	12
310	High performance and cost effective CO-OFDM system aided by polar code. <i>Optics Express</i> , 2017 , 25, 2763-2770	3.3	12
309	Fidelity enhancement in high-data-rate digital mobile fronthaul with sample bits interleaving and unequally-spaced PAM4. <i>Optics Express</i> , 2017 , 25, 5559-5570	3.3	12
308	Photonic Crystal Three-Port Channel Drop Filter Based on One-Way Waveguide. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 332-334	2.2	12
307	Demonstration of microcantilever array with simultaneous readout using an in-plane photonic transduction method. <i>Review of Scientific Instruments</i> , 2009 , 80, 085101	1.7	12
306	Preparation of piezoelectric-coefficient modulated multilayer film ZnO/Al ₂ O ₃ and its ultrahigh frequency resonance. <i>Applied Physics Letters</i> , 1997 , 71, 548-550	3.4	12
305	Simultaneous demodulation and slow light of differential phase-shift keying signals using stimulated-Brillouin-scattering-based optical filtering in fiber. <i>Optics Letters</i> , 2007 , 32, 3182-4	3	12
304	Improving dispersion tolerance of manchester coding by incorporating duobinary coding. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 1723-1725	2.2	12
303	Experimental Demonstration of a Symmetric 40-Gb/s TWDM-PON 2013 ,		12
302	Performance Optimization by Nonparametric Histogram Estimation for Low Resolution in IMDD-OQAM-OFDM System. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-13	1.8	12
301	Joint Provisioning of Lightpaths and Storage in Store-and-Transfer Wavelength-Division Multiplexing Networks. <i>Journal of Optical Communications and Networking</i> , 2017 , 9, 218	4.1	11

300	Arbitrary-shaped Brillouin microwave photonic filter by manipulating a directly modulated pump. <i>Optics Letters</i> , 2017 , 42, 4083-4086	3	11
299	Theoretical Analysis of High-Speed All-Optical Turbo-Switches. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2012 , 18, 662-669	3.8	11
298	Power-area method to precisely estimate laser linewidth from its frequency-noise spectrum. <i>Applied Optics</i> , 2015 , 54, 8282-9	0.2	11
297	All-optical logic gates for 40Gb/s NRZ signals using complementary data in SOA-MZIs. <i>Optics Communications</i> , 2013 , 290, 28-32	2	11
296	Cladding-Mode Backward-Recoupling-Based Displacement Sensor Incorporating Fiber Up Taper and Bragg Grating. <i>IEEE Photonics Journal</i> , 2013 , 5, 7100608-7100608	1.8	11
295	Upstream capacity upgrade in TDM-PON using RSOA based tunable fiber ring laser. <i>Optics Express</i> , 2012 , 20, 10416-25	3.3	11
294	Low biased voltage induced textured growth of LiNbO3 films on silicon wafer. <i>Applied Surface Science</i> , 1997 , 109-110, 520-523	6.7	11
293	Scheduling Algorithm for Workflow-Based Applications in Optical Grid. <i>Journal of Lightwave Technology</i> , 2008 , 26, 3011-3020	4	11
292	Two-pump fiber optical parametric amplifiers with three-section fibers allocation. <i>Optics and Laser Technology</i> , 2006 , 38, 186-191	4.2	11
291	Dimensioning of the Store-and-Transfer WDM Network With Limited Node Storage Under the Sliding Scheduled Traffic Model. <i>Journal of Optical Communications and Networking</i> , 2017 , 9, 275	4.1	10
290	Time Delay Concealment in Feedback Chaotic Systems With Dispersion in Loop. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-8	1.8	10
289	Fast Spectrum Analysis for an OFDR Using the FFT and SCZT Combination Approach. <i>IEEE Photonics Technology Letters</i> , 2016 , 28, 657-660	2.2	10
288	Wavelength routers with low crosstalk using photonic crystal point defect micro-cavities. <i>Optik</i> , 2016 , 127, 3235-3242	2.5	10
287	Complementary Decoder Based on Polarization Modulation for the SAC-OCDMA PON. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 335-337	2.2	10
286	Task Scheduling and Lightpath Establishment in Optical Grids. <i>Journal of Lightwave Technology</i> , 2009 , 27, 1796-1805	4	10
285	Effects of substrate temperature on the growth of oriented LiNbO3 thin films by pulsed laser deposition. <i>Materials Letters</i> , 1998 , 34, 332-335	3.3	10
284	Compact waveguide splitter networks. <i>Optics Express</i> , 2008 , 16, 4981-90	3.3	10
283	Improved gain performance of high concentration Er/sup 3+/-Yb/sup 3+/-codoped phosphate fiber amplifier. <i>IEEE Journal of Quantum Electronics</i> , 2005 , 41, 704-708	2	10

282	Supporting Differentiated Services with Fairness by an Urgency Fair Queuing Scheduling Scheme in EPONs. <i>Photonic Network Communications</i> , 2006 , 13, 93-102	1.7	10
281	Design and analysis of high-speed optical access networks in the O-band with DSP-free ONUs and low-bandwidth optics. <i>Optics Express</i> , 2018 , 26, 27873-27884	3.3	10
280	Beyond 200 Gbps per Lane Intensity Modulation Direct Detection (IM/DD) Transmissions for Optical Interconnects: Challenges and Recent Developments 2019 ,		10
279	Automatic mode-locking fiber lasers: progress and perspectives. <i>Science China Information Sciences</i> , 2020 , 63, 1	3.4	10
278	Soft-Stacked PON for Soft C-RAN. <i>Journal of Optical Communications and Networking</i> , 2016 , 8, B12	4.1	10
277	Photonic generation of phase-stable and wideband chirped microwave signals based on phase-locked dual optical frequency combs. <i>Optics Letters</i> , 2016 , 41, 3787-90	3	10
276	Optics-Simplified DSP for 50 Gb/s PON Downstream Transmission using 10 Gb/s Optical Devices. <i>Journal of Lightwave Technology</i> , 2020 , 38, 583-589	4	10
275	Performance investigation of the polar coded FSO communication system over turbulence channel. <i>Applied Optics</i> , 2018 , 57, 7378-7384	1.7	10
274	Chaotic Arnold transform and chirp matrix encryption scheme for enhancing the performance and security of OFDM-PON. <i>Optical Fiber Technology</i> , 2019 , 51, 64-70	2.4	9
273	Performance Analysis of Storage-Based Routing for Circuit-Switched Networks. <i>Journal of Optical Communications and Networking</i> , 2016 , 8, 282	4.1	9
272	Sliding scheduled lightpath provisioning by mixed partition coloring in WDM optical networks. <i>Optical Switching and Networking</i> , 2013 , 10, 44-53	1.6	9
271	An upstream multi-wavelength shared PON based on tunable self-seeding Fabry-Pérot laser diode for upstream capacity upgrade and wavelength multiplexing. <i>Optics Express</i> , 2011 , 19, 8000-10	3.3	9
270	Nonblocking Four-Stage Multicast Network for Multicast-Capable Optical Cross Connects. <i>Journal of Lightwave Technology</i> , 2009 , 27, 3923-3932	4	9
269	The preparation of optical fibre nanoprobe and its application in spectral detection. <i>Optics and Laser Technology</i> , 2007 , 39, 1025-1029	4.2	9
268	A highly stable low-RIN hybrid Brillouin/erbium amplified laser source. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 1028-1030	2.2	9
267	Photonic Crystal Power-splitter Based on Mode Splitting of Directional Coupling Waveguides. <i>Optical and Quantum Electronics</i> , 2006 , 38, 645-654	2.4	9
266	Trading off security and practicability to explore high-speed and long-haul chaotic optical communication. <i>Optics Express</i> , 2021 , 29, 12750-12762	3.3	9
265	Digital chaos-masked optical encryption scheme enhanced by two-dimensional key space. <i>Optics Communications</i> , 2017 , 398, 62-66	2	8

264	A novel six-core few-mode fiber with low loss and low crosstalk. <i>Optical Fiber Technology</i> , 2020 , 57, 102211	1.1	8
263	Slotted Store-and-Forward Optical Circuit-Switched Networks: A Performance Study. <i>Journal of Optical Communications and Networking</i> , 2017 , 9, 563	4.1	8
262	Routing and spectrum allocation in multi-ring based data center networks. <i>Optics Communications</i> , 2016 , 360, 25-34	2	8
261	Elastic optical ring with flexible spectrum ROADMs: An optical switching architecture for future data center networks. <i>Optical Switching and Networking</i> , 2016 , 19, 1-9	1.6	8
260	EML-Based Multi-Path Self-Interference Cancellation With Adaptive Frequency-Domain Pre-Equalization. <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 1103-1106	2.2	8
259	Resource Allocation in Electrical/Optical Hybrid Switching Data Center Networks. <i>Journal of Optical Communications and Networking</i> , 2017 , 9, 648	4.1	8
258	Perfect match model based link assignment for optical satellite network 2014 ,		8
257	Throughput and Efficiency of EPON Registration Protocol. <i>Journal of Lightwave Technology</i> , 2012 , 30, 3357-3366	4	8
256	Secure optical communication using stimulated Brillouin scattering in optical fiber. <i>Optics Communications</i> , 2013 , 290, 146-151	2	8
255	A Tunable Encoder/Decoder Based on Polarization Modulation for the SAC-OCDMA PON. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 748-750	2.2	8
254	Sensitivity enhancement of differential splitter-based transduction for photonic microcantilever arrays. <i>Nanotechnology</i> , 2010 , 21, 155501	3.4	8
253	Video-Service-Overlaid Wavelength-Division-Multiplexed Passive Optical Network. <i>IEEE Photonics Technology Letters</i> , 2009 , 21, 990-992	2.2	8
252	Resource Allocation Strategies for Data-Intensive Workflow-Based Applications in Optical Grids 2006 ,		8
251	Symmetric carrier assisted differential detection receiver with low-complexity signal-signal beating interference mitigation. <i>Optics Express</i> , 2020 , 28, 19008-19022	3.3	8
250	Anomaly Localization in Optical Transmissions Based on Receiver DSP and Artificial Neural Network 2020 ,		8
249	284.8-Mb/s Physical-Layer Cryptographic Key Generation and Distribution in Fiber Networks. <i>Journal of Lightwave Technology</i> , 2021 , 39, 1595-1601	4	8
248	Traffic-Estimation-Based Low-Latency XGS-PON Mobile Front-Haul for Small-Cell C-RAN Based on an Adaptive Learning Neural Network. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1097	2.6	8
247	Modulation format identification under stringent bandwidth limitation based on an artificial neural network. <i>OSA Continuum</i> , 2021 , 4, 96	1.4	8

246	Theoretical and experimental analysis of Inter-channel crosstalk between TWDM and fronthaul wavelengths due to stimulated Raman scattering. <i>Optics Express</i> , 2015 , 23, 8809-17	3.3	7
245	A Parallel Complex Coloring Algorithm for Scheduling of Input-Queued Switches. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2018 , 29, 1456-1468	3.7	7
244	On the efficiency and fairness of dynamic wavelength and bandwidth allocation algorithms for scheduling multi-type ONUs in NG-EPON. <i>Optical Fiber Technology</i> , 2018 , 45, 208-216	2.4	7
243	Stability and Delay Analysis of EPON Registration Protocol. <i>IEEE Transactions on Communications</i> , 2014 , 62, 2478-2493	6.9	7
242	High-speed all-optical long-term memory using SOA MZIs: Simulation and experiment. <i>Optics Communications</i> , 2012 , 285, 4043-4047	2	7
241	A 7-bit photonic true-time-delay system based on an 8times8 MOEMS optical switch. <i>Chinese Optics Letters</i> , 2009 , 7, 118-120	2.2	7
240	Pulsed laser reactive ablation of (0001)-textured ZnO optical waveguiding films on SiO ₂ . <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1996 , 40, 165-169	3.1	7
239	Dissipative sensing with low detection limit in a self-interference microring resonator. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019 , 36, 942	1.7	7
238	Neural network decoder of polar codes with tanh-based modified LLR over FSO turbulence channel. <i>Optics Express</i> , 2020 , 28, 1679-1689	3.3	7
237	Hybrid wideband multipath self-interference cancellation with an LMS pre-adaptive filter for in-band full-duplex OFDM signal transmission. <i>Optics Letters</i> , 2020 , 45, 6382-6385	3	7
236	Genetic Algorithm-Based Fast Real-Time Automatic Mode-Locked Fiber Laser. <i>IEEE Photonics Technology Letters</i> , 2020 , 32, 7-10	2.2	7
235	Low overhead equalization algorithm for simultaneously estimating channel and mitigating intrinsic imaginary interference in IMDD-OQAM-OFDM system. <i>Optics Communications</i> , 2019 , 430, 256-261	2.1	7
234	Chaotic distribution of QAM symbols for secure OFDM signal transmission. <i>Optical Fiber Technology</i> , 2019 , 47, 61-65	2.4	7
233	Post-Processing Protocol for Physical-Layer Key Generation and Distribution in Fiber Networks. <i>IEEE Photonics Technology Letters</i> , 2020 , 32, 901-904	2.2	6
232	Unsupervised Learning for Neural Network-Based Blind Equalization. <i>IEEE Photonics Technology Letters</i> , 2020 , 32, 569-572	2.2	6
231	Chaos Synchronization Error Compensation by Neural Network. <i>IEEE Photonics Technology Letters</i> , 2019 , 31, 1104-1107	2.2	6
230	Algorithm for the Lightpath Reservation Provisioning of Data Relay Services in a GEO Network. <i>Journal of Optical Communications and Networking</i> , 2017 , 9, 658	4.1	6
229	Suppression of SRS induced crosstalk in RF-video overlay TWDM-PON system using dicode coding. <i>Optics Express</i> , 2014 , 22, 21192-8	3.3	6

228	Symmetric 40-Gb/s TWDM-PON with 51-dB loss budget by using a single SOA as preamplifier, booster and format converter in ONU. <i>Optics Express</i> , 2014 , 22, 24398-404	3.3	6
227	Coherent Comb Generation With Continuous Sweep of Repetition Rate Over One-Octave. <i>IEEE Photonics Technology Letters</i> , 2013 , 25, 2405-2407	2.2	6
226	Demonstration of joint resource scheduling in an optical network integrated computing environment [Topics in Optical Communications] 2010 , 48, 76-83		6
225	High-speed, all-optical XOR gates using semiconductor optical amplifiers in ultrafast nonlinear interferometers. <i>Frontiers of Optoelectronics in China</i> , 2010 , 3, 245-252		6
224	Comparison of Cross-Gain Modulation Effect of Manchester-Duobinary, RZ-DPSK, NRZ-DPSK, RZ, and NRZ Modulation Formats in SOAs. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 2680-2682	2.2	6
223	Layered defective lanthanum titanate thin films prepared by pulsed laser ablation of potassium lanthanum titanate ceramics. <i>Applied Physics Letters</i> , 1996 , 69, 191-193	3.4	6
222	Adaptive optical self-interference cancellation for in-band full-duplex systems using regular triangle algorithm. <i>Optics Express</i> , 2019 , 27, 4116-4125	3.3	6
221	Computationally efficient 104 Gb/s PWL-Volterra equalized 2D-TCM-PAM8 in dispersion unmanaged DML-DD system. <i>Optics Express</i> , 2020 , 28, 7070-7079	3.3	6
220	Demonstration of 50Gb/s/Symmetric PAM4 TDM-PON with 10G-class Optics and DSP-free ONUs in the O-band 2018 ,		6
219	A Three-stage Training Framework for Customizing Link Models for Optical Networks 2020 ,		6
218	Neural Network-based equalization in high-speed PONs 2020 ,		6
217	Piecewise Linear Equalizer for DML Based PAM-4 Signal Transmission Over a Dispersion Uncompensated Link. <i>Journal of Lightwave Technology</i> , 2020 , 38, 654-660	4	6
216	2.7 Gb/s Secure Key Generation and Distribution Using Bidirectional Polarization Scrambler in Fiber. <i>IEEE Photonics Technology Letters</i> , 2021 , 33, 289-292	2.2	6
215	Physical Layer Dynamic Key Encryption in OFDM-PON System Based on Cellular Neural Network. <i>IEEE Photonics Journal</i> , 2021 , 13, 1-14	1.8	6
214	ROADM-Induced Anomaly Localization and Evaluation for Optical Links Based on Receiver DSP and ML. <i>Journal of Lightwave Technology</i> , 2021 , 39, 2696-2703	4	6
213	Real-time adaptive optical self-interference cancellation system for in-band full-duplex transmission. <i>Optics Communications</i> , 2019 , 437, 259-263	2	6
212	Experimental demonstration of polar coded IM/DD optical OFDM for short reach system. <i>Optics Communications</i> , 2017 , 402, 136-139	2	5
211	A Powerful Equalizer Based on Modified SVM Classifier Without Nonlinear Kernel Enabled 100-Gb/s NG-EPON System With 10-G Class. <i>IEEE Access</i> , 2019 , 7, 71185-71194	3.5	5

210	. <i>Journal of Lightwave Technology</i> , 2019 , 37, 5780-5789	4	5
209	Real-Time Observation of the Regime Transition Dynamics of Mode-Locked Fiber Lasers. <i>IEEE Photonics Technology Letters</i> , 2019 , 31, 1545-1548	2.2	5
208	High-Resolution Brillouin Optoelectronic Oscillator Using High-Order Sideband Injection-Locking. <i>IEEE Photonics Technology Letters</i> , 2019 , 31, 513-516	2.2	5
207	Photonic generation of low phase noise arbitrary chirped microwave waveforms with large time-bandwidth product. <i>Optics Express</i> , 2015 , 23, 18070-9	3.3	5
206	Ideal Rectangular Microwave Photonic Filter with High Selectivity Based on Stimulated Brillouin Scattering 2015 ,		5
205	120 GBaud PAM-4/PAM-6 Generation and Detection by Photonic Aided Digital-to-Analog Converter and Linear Equalization. <i>Journal of Lightwave Technology</i> , 2020 , 38, 2226-2230	4	5
204	Multi-Parameter Sensing in a Multimode Self-Interference Micro-Ring Resonator by Machine Learning. <i>Sensors</i> , 2020 , 20,	3.8	5
203	High-fidelity and low-latency mobile fronthaul based on segment-wise TDM and MIMO-interleaved arraying. <i>Optics Express</i> , 2018 , 26, 2079-2088	3.3	5
202	50-Gb/s TDM-PON Based on 10G-Class Devices by Optics-simplified DSP 2018 ,		5
201	A new cross-protection dual-WDM-PON architecture with carrier-reuse colorless ONUs. <i>Optics Communications</i> , 2012 , 285, 3254-3258	2	5
200	Survivable wavelength-division multiplexing passive optical network system with centralized protection routing scheme and efficient wavelength utilization. <i>Optical Engineering</i> , 2013 , 52, 096109	1.1	5
199	Weak Adsorption-Induced Surface Stress for Streptavidin Binding to Biotin Tethered to Silicon Microcantilever Arrays. <i>IEEE Sensors Journal</i> , 2013 , 13, 959-968	4	5
198	Nonblocking Clos networks of multiple ROADMs rings for mega data centers. <i>Optics Express</i> , 2015 , 23, 28546-56	3.3	5
197	A Reconfigurable High-Order UWB Signal Generation Scheme Using RSOA-MZI Structure. <i>IEEE Photonics Journal</i> , 2014 , 6, 1-7	1.8	5
196	Power Efficient Dynamic Bandwidth Allocation Algorithm in OFDMA-PONs. <i>Journal of Optical Communications and Networking</i> , 2013 , 5, 1353	4.1	5
195	A novel polarization channel drop filter based on two-dimensional photonic crystals. <i>Chinese Optics Letters</i> , 2010 , 8, 749-752	2.2	5
194	Design and performance evaluation of dynamic wavelength scheduled hybrid WDM/TDM PON for distributed computing applications. <i>Optics Express</i> , 2009 , 17, 1023-32	3.3	5
193	A Polarization-Independent Subnanosecond 2 \times 2 Multicast-Capable Optical Switch Using a Sagnac Interferometer. <i>IEEE Photonics Technology Letters</i> , 2008 , 20, 539-541	2.2	5

192	Distributed Computing over Optical Networks 2008 ,		5
191	Novel split-band erbium-doped fiber amplifier. <i>Optics and Laser Technology</i> , 2003 , 35, 251-256	4.2	5
190	Training data generation and validation for a neural network-based equalizer. <i>Optics Letters</i> , 2020 , 45, 5113-5116	3	5
189	Perfect match model-based link assignment to design topology for satellite constellation system. <i>International Journal of Satellite Communications and Networking</i> , 2016 , 34, 263-276	1.7	5
188	Dimensioning of store-and-transfer WDM networks with stratified ROADM node. <i>Optical Switching and Networking</i> , 2019 , 31, 100-113	1.6	5
187	High-power narrow-linewidth fiber lasers using optical spectrum broadening based on high-order phase modulation of inversion probability-tuning sequence.. <i>Optics Express</i> , 2022 , 30, 8448-8460	3.3	5
186	Performance Evaluation of High-Speed Polar Coded CO-OFDM System with Nonlinear and Linear Impairments. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-9	1.8	4
185	Decision-aided ICI mitigation with time-domain average approximation in CO-OFDM. <i>Optics Communications</i> , 2015 , 347, 1-7	2	4
184	Upstream dispersion management supporting 100 km differential reach in TWDM-PON. <i>Optics Express</i> , 2015 , 23, 7971-7	3.3	4
183	Generation and transmission of a High-bit-rate optical millimeter wave with an unrepeated long single-span using equalization amplification. <i>Optics Communications</i> , 2015 , 356, 599-606	2	4
182	An overview of ML-based applications for next generation optical networks. <i>Science China Information Sciences</i> , 2020 , 63, 1	3.4	4
181	Real-time secure optical OFDM transmission with chaotic data encryption. <i>Optics Communications</i> , 2020 , 473, 126005	2	4
180	OLS-Based RBF Neural Network for Nonlinear and Linear Impairments Compensation in the CO-OFDM System. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-8	1.8	4
179	Principle and applications of semiconductor optical amplifiers-based turbo-switches. <i>Frontiers of Optoelectronics</i> , 2016 , 9, 346-352	2.8	4
178	Power Depletion and Crosstalk Induced by Stimulated Raman Scattering in WDM Fronthaul. <i>IEEE Photonics Technology Letters</i> , 2016 , 28, 1069-1072	2.2	4
177	On-Chip All-Optical Wavelength Conversion of PAM-4 Signals Using an Integrated SOA-Based Turbo-Switch Circuit. <i>Journal of Lightwave Technology</i> , 2019 , 37, 3956-3962	4	4
176	Chaotic reconfigurable ZCMT precoder for OFDM data encryption and PAPR reduction. <i>Optics Communications</i> , 2017 , 405, 12-16	2	4
175	Architecture and performance of grouped ROADM rings with shared optical amplifier and grouped add/drop ports for hybrid data center network. <i>Optical Switching and Networking</i> , 2017 , 23, 1-4	1.6	4

174	Wideband Over-the-Air RF Self-Interference Cancellation by an EML-Based Optical System With Baseband Predistortion. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-9	1.8	4
173	Compensation of phase error in optical frequency-domain reflectometry using delay-matched sampling. <i>Optical Engineering</i> , 2014 , 53, 074103	1.1	4
172	Ring resonator of surface modes based on photonic crystals. <i>Optics Communications</i> , 2011 , 284, 4073-4077		4
171	In-situ poling of lithium niobate films on silicon wafer by applying a low electric field during pulsed laser deposition. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1998 , 53, 278-283	3.1	4
170	A cross-layer optical circuit provisioning framework for data intensive IP end hosts 2008 , 46, S30-S37		4
169	Performance Study of 40-Gb/s RZ Signals Through Cascaded Thin-Film Filters with Large Dispersion Slope. <i>Optics Express</i> , 2005 , 13, 2176-81	3.3	4
168	Tunable gain-clamped double-pass Erbium-doped fiber amplifier. <i>Optics Express</i> , 2006 , 14, 570-4	3.3	4
167	Impact of SOA-induced pattern effect on the filter requirements in vestigial sideband direct detected PAM4 transmission. <i>Optics Express</i> , 2018 , 26, 30305-30312	3.3	4
166	Single-step digital backpropagation for subcarrier-multiplexing transmissions. <i>Optics Express</i> , 2019 , 27, 36680-36690	3.3	4
165	Adaptive over-the-air RF self-interference cancellation using a signal-of-interest driven regular triangle algorithm. <i>Optics Letters</i> , 2020 , 45, 1264-1267	3	4
164	Effect of ADC parameters on neural network based chaotic optical communication. <i>Optics Letters</i> , 2021 , 46, 90-93	3	4
163	Polar coded probabilistic amplitude shaping for the free space optical atmospheric turbulence channel. <i>Optics Express</i> , 2020 , 28, 33208-33219	3.3	4
162	Time skew enabled vestigial sideband modulation for dispersion-tolerant direct-detection transmission. <i>Optics Letters</i> , 2020 , 45, 6138-6141	3	4
161	SVM-Modified-FFE Enabled Chirp Management for 10G DML-based 50Gb/s/IPAM4 IM-DD PON 2019 ,		4
160	Machine learning classifier based on FE-KNN enabled high-capacity PAM-4 and NRZ transmission with 10-G class optics. <i>Optics Express</i> , 2019 , 27, 25802-25813	3.3	4
159	A novel FABP quantization scheme for improving performance in low-bit IMDD-FBMC system. <i>Optics Communications</i> , 2019 , 437, 199-203	2	4
158	Multi-Gbit/s real-time modems for chaotic optical OFDM data encryption and decryption. <i>Optics Communications</i> , 2019 , 432, 39-43	2	4
157	Secure OFDM-PON Using Chaotic Constellation Mapping and Probabilistic Shaping. <i>IEEE Photonics Technology Letters</i> , 2021 , 33, 1139-1142	2.2	4

156	Parallel Bisection-based Distribution Matching for Nonlinearity-tolerant Probabilistic Shaping in Coherent Optical Communication Systems. <i>Journal of Lightwave Technology</i> , 2021 , 1-1	4	4
155	A long single-span dispersion-decreasing-like fiber transmission system. <i>Optics and Laser Technology</i> , 2019 , 116, 338-344	4.2	3
154	Delay Minimization for Progressive Construction of Satellite Constellation Network. <i>IEEE Communications Letters</i> , 2015 , 19, 1718-1721	3.8	3
153	Wavelength contention resolution in WSS based ROADMs. <i>Optical Switching and Networking</i> , 2015 , 15, 67-74	1.6	3
152	Bandwidth analysis of all-optical turbo-switch. <i>Optics Communications</i> , 2015 , 334, 105-109	2	3
151	Flexible Baseband-Unit Aggregation Enabled by Reconfigurable Multi-IF Over WDM Fronthaul. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-10	1.8	3
150	BLOC: A Generic Resource Allocation Framework for Hybrid Packet/Circuit-Switched Networks. <i>Journal of Optical Communications and Networking</i> , 2016 , 8, 689	4.1	3
149	Wavelength dimensioning for wavelength-routed WDM satellite network. <i>Chinese Journal of Aeronautics</i> , 2016 , 29, 763-771	3.7	3
148	Comparison of Downstream Transmitters for High Loss Budget of Long-Reach 10G-PON 2014 ,		3
147	Photonic crystal higher order three-port channel drop filter. <i>Optik</i> , 2013 , 124, 1787-1791	2.5	3
146	Physical-layer energy-efficient receiving method based on selective sampling in orthogonal frequency division multiplexing access passive optical network. <i>Optical Engineering</i> , 2014 , 53, 056106	1.1	3
145	All-optical reconfigurable multi-logic gates based on nonlinear polarization rotation effect in a single SOA. <i>Chinese Optics Letters</i> , 2011 , 9, 030603-30606	2.2	3
144	Availability-Driven Scheduling for Real-Time Directed Acyclic Graph Applications in Optical Grids. <i>Journal of Optical Communications and Networking</i> , 2010 , 2, 469	4.1	3
143	Dynamic Scheduling Algorithms for Large File Transfer on Multi-user Optical Grid Network Based on Efficiency and Fairness 2009 ,		3
142	Efficient Sharing of Fixed Wavelength Converters in Clos-Type Wavelength Interchanging Cross Connects. <i>Journal of Lightwave Technology</i> , 2009 , 27, 4189-4197	4	3
141	Separated Unicast/Multicast Splitter-and-Delivery Switch and Its Use in Multicasting-Capable Optical Cross-Connect. <i>IEEE Photonics Technology Letters</i> , 2009 , 21, 368-370	2.2	3
140	Placements of Shared Wavelength Converter Groups Inside a Cost-Effective Permuted Clos Network. <i>IEEE Photonics Technology Letters</i> , 2007 , 19, 981-983	2.2	3
139	The effect of phase mismatch on two-pump fiber optical parametrical amplifier. <i>Optics and Laser Technology</i> , 2007 , 39, 327-332	4.2	3

138	Generation of 16-Gb/s MSK signal using a single 10-GHz SSB modulator and simplified encoder/decoder 2006 ,		3
137	Optimized design of two-pump fiber optical parametric amplifier and its noise characteristics. <i>Optics Communications</i> , 2006 , 258, 321-328	2	3
136	Two-pump fiber optical parametric amplifiers using optimized photonic crystal fiber by genetic algorithm. <i>Applied Physics B: Lasers and Optics</i> , 2006 , 84, 433-438	1.9	3
135	Low electrical field induced oriented growth of ferroelectric LiNbO ₃ thin films and multilayers. <i>Ferroelectrics</i> , 1999 , 221, 229-236	0.6	3
134	End-to-End Deep Learning for Long-haul Fiber Transmission Using Differentiable Surrogate Channel. <i>Journal of Lightwave Technology</i> , 2022 , 1-1	4	3
133	Multidimensional vector quantization-based fast statistical estimation in compressed digitalized radio-over-fiber systems. <i>Applied Optics</i> , 2019 , 58, 3418-3425	1.7	3
132	Brillouin-based dual-frequency microwave signals generation using polarization-multiplexing modulation. <i>Optics Express</i> , 2019 , 27, 24847-24856	3.3	3
131	Degenerated look-up table-based perturbative fiber nonlinearity compensation algorithm for probabilistically shaped signals. <i>Optics Express</i> , 2020 , 28, 13401-13413	3.3	3
130	Adaptive wavelength allocation pattern for an online DWBA in the NG-EPON. <i>OSA Continuum</i> , 2018 , 1, 690	1.4	3
129	Seamlessly transformable hybrid packet and circuit switching for efficient optical networks. <i>Chinese Optics Letters</i> , 2013 , 11, 010601-10605	2.2	3
128	20-Gbps low cost WDM-OFDM-PON downstream transmission with tunable filter and linear APD module. <i>Chinese Optics Letters</i> , 2014 , 12, 040603-40607	2.2	3
127	Ultra-wideband optical diode based on photonic crystal 90° bend and directional coupler. <i>Chinese Optics Letters</i> , 2014 , 12, 102301-102304	2.2	3
126	Programmable and fast-switchable passively harmonic mode-locking fiber laser 2018 ,		3
125	A study on performance improvement of IMDD-UFMC with modified K-means non-uniform quantization. <i>Optics Communications</i> , 2020 , 476, 126324	2	3
124	Ultra-fast RSOP tracking via 3 pilot tones for short-distance coherent SCM systems. <i>Optics Express</i> , 2021 , 29, 8076-8086	3.3	3
123	Point to multi-point physical-layer key generation and distribution in passive optical networks. <i>Optics Letters</i> , 2021 , 46, 3223-3226	3	3
122	FPGA-based digital chaotic anti-interference lidar system. <i>Optics Express</i> , 2021 , 29, 719-728	3.3	3
121	Transmission of 100Gb/s PAM4 Signals Over 15km Dispersion-Unmanaged SSMF Using a Directly Modulated Laser in C-Band 2018 ,		3

120	4 25-Gb/s NRZ-OOK Signals Transmission Over a 160-km Single-Mode Fiber Using 10G-Class DML and Photodiode. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-8	1.8	3
119	SINR-oriented flexible quantization bits for optical-wireless deep converged eCPRI 2018 ,		3
118	Fast and accurate waveform modeling of long-haul multi-channel optical fiber transmission using a hybrid model-data driven scheme. <i>Journal of Lightwave Technology</i> , 2022 , 1-1	4	3
117	ONU Aggregation Schemes for TWDM PONs With Multiple Tuning Ranges. <i>Journal of Optical Communications and Networking</i> , 2017 , 9, 319	4.1	2
116	System Performance Optimization of Frequency-Swept Pump-Based Rectangular Brillouin Optical Filter. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-8	1.8	2
115	Mechanism Design and Performance Analysis of Coordinated Registration Protocol for NG-EPON. <i>Journal of Optical Communications and Networking</i> , 2019 , 11, 107	4.1	2
114	Microfluidic reflow pumps. <i>Biomicrofluidics</i> , 2015 , 9, 044104	3.2	2
113	Research on a novel mode division multiplexer with low crosstalk, low loss and few mode ring-core transmission channel. <i>Optics Communications</i> , 2020 , 469, 125778	2	2
112	A State-Merging Scheduling Method for Bulk Transfers with Store-and-Forward over Inter-DC Optical Networks 2020 ,		2
111	. <i>IEEE Access</i> , 2020 , 8, 24829-24846	3.5	2
110	. <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 599-602	2.2	2
109	Optical Grooming Capable Wavelength Division Multiplexing node architecture for beyond 100 Gbps transport. <i>Optical Switching and Networking</i> , 2019 , 34, 67-78	1.6	2
108	Experimental evaluation of pilot pattern design in direct-detection optical OFDM transmission. <i>Optics Communications</i> , 2013 , 294, 83-87	2	2
107	Ultra-Selective Flexible Add-Drop Multiplexer Using Rectangular Stimulated Brillouin Scattering Filters 2015 ,		2
106	25-GHz-Spaced DWDM-PON With Mitigated Rayleigh Backscattering and Back-Reflection Effects. <i>IEEE Photonics Journal</i> , 2013 , 5, 7901407-7901407	1.8	2
105	Frame Assembly and Scheduling on Edge Routers in Fixed-Size Frame-Switching Networks. <i>Journal of Optical Communications and Networking</i> , 2013 , 5, 13	4.1	2
104	Power-penalty-free all-optical decryption using stimulated Brillouin scattering in optical fiber. <i>Laser Physics Letters</i> , 2013 , 10, 045102	1.5	2
103	Wavelength Converted Broadcast-Selective Buffering Contention Resolution in Synchronous WDM OPS Networks. <i>Journal of Lightwave Technology</i> , 2010 , 28, 1356-1362	4	2

102	Genetic algorithm optimization of tunable wavelength selection photonic switch using a microring resonator. <i>Optical Engineering</i> , 2011 , 50, 094002	1.1	2
101	Design of reconfigurable optical add/drop multiplexer based on two-dimensional photonic crystals. <i>Optical Engineering</i> , 2008 , 47, 123001	1.1	2
100	Optical Fiber Polarization Interferometer for Performance Improvement in Radio-Over-Fiber Systems. <i>IEEE Photonics Technology Letters</i> , 2007 , 19, 1236-1238	2.2	2
99	Precise in-band OSNR and spectrum monitoring using high-resolution swept coherent detection. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 145-147	2.2	2
98	Adaptive Probabilistic Shaping Using Polar Codes for FSO Communication. <i>IEEE Photonics Journal</i> , 2022 , 14, 1-6	1.8	2
97	Multi-dimensional Distribution Matching with Bit-level Shaping for Probabilistically Shaped High Order Modulation Formats. <i>Journal of Lightwave Technology</i> , 2022 , 1-1	4	2
96	A Resource Sharing C-RAN Architecture with Wavelength Selective Switching and Parallel Uplink Signal Detection 2015 ,		2
95	Stable multi-frequency generator based on phase-locked optical frequency combs. <i>Chinese Optics Letters</i> , 2014 , 12, 020602-20605	2.2	2
94	Novel iteration-free blind phase noise estimation for coherent optical OFDM. <i>Chinese Optics Letters</i> , 2014 , 12, 120603-120607	2.2	2
93	Carrier-Suppressed Modified Duobinary PAM-4 Signal for Short Reach Transmission 2020 ,		2
92	A Meta-learning-assisted Training Framework for AI Deployment in Optical Networks 2020 ,		2
91	Multi-dimensional Distribution Matching for Probabilistically Shaped High Order Modulation Format 2020 ,		2
90	Neural Successive Cancellation Polar Decoder With Tanh-Based Modified LLR Over FSO Turbulence Channel. <i>IEEE Photonics Journal</i> , 2020 , 12, 1-10	1.8	2
89	Digital-Analog Hybrid Optical Access Integrating 56-Gbps PAM-4 Signal and 5G mmWave Signal by Spectral Null Filling. <i>Journal of Lightwave Technology</i> , 2021 , 39, 1278-1288	4	2
88	Experimental Demonstration of Multimode Microresonator Sensing by Machine Learning. <i>IEEE Sensors Journal</i> , 2021 , 21, 9046-9053	4	2
87	Frequency-offset-tolerant optical frequency comb-based coherent transmission for intra-datacenter interconnections. <i>Optics Express</i> , 2021 , 29, 17522-17533	3.3	2
86	Machine-learning-based telemetry for monitoring long-haul optical transmission impairments: methodologies and challenges [Invited]. <i>Journal of Optical Communications and Networking</i> , 2021 , 13, E94	4.1	2
85	Low-Complexity Blind Carrier Phase Recovery for C-mQAM Coherent Systems. <i>IEEE Photonics Journal</i> , 2019 , 11, 1-14	1.8	2

84	Power budget enhancement in NG-EPON system employing novel twisted-PAM4. <i>Optics Communications</i> , 2018 , 410, 627-631	2	2
83	A Low-Latency Traffic Estimation Based TDM-PON Mobile Front-Haul for Small Cell Cloud-RAN Employing Feed-Forward Artificial Neural Network 2018 ,		2
82	FPGA-Based Dual-Pulse Anti-Interference Lidar System Using Digital Chaotic Pulse Position Modulation. <i>IEEE Photonics Technology Letters</i> , 2021 , 33, 757-760	2.2	2
81	An Interpretable Mapping From a Communication System to a Neural Network for Optimal Transceiver-Joint Equalization. <i>Journal of Lightwave Technology</i> , 2021 , 39, 5449-5458	4	2
80	A fair and flexible dynamic wavelength and bandwidth allocation algorithm for IEEE 100G-EPON 2017 ,		1
79	All-optical encryption/decryption for nonreturn-to-zero differential phase-shift keying signals using four-wave mixing in semiconductor optical amplifier. <i>Optical Engineering</i> , 2015 , 54, 046108	1.1	1
78	Efficient elastic bulky traffic transfer with a new pricing scheme based on number of flows. <i>Computer Communications</i> , 2015 , 67, 45-55	5.1	1
77	Performance study of an SnF scheduling method for bulk data transfers over inter-datacenter WANs. <i>Optical Switching and Networking</i> , 2020 , 37, 100558	1.6	1
76	Overlapping shared segment protection in store-and-transfer WDM networks under sliding scheduled traffic model. <i>Optical Switching and Networking</i> , 2018 , 29, 1-14	1.6	1
75	Physical-Layer OFDM Data Encryption using Chaotic QAM Mapping 2019 ,		1
74	Photonic Generation of Reconfigurable Orders Ultrawideband Signals by Using Cascaded RSOAs. <i>IEEE Photonics Technology Letters</i> , 2014 , 26, 908-910	2.2	1
73	High Tolerance against Chirp Induced PAM4 Eye Skewing in DML-based Digital Mobile Fronthaul with 11dB EVM Reduction 2017 ,		1
72	Stable coherent dual comb generator with dual-heterodyne phase error transfer and heterodyne optical phase-locked loop 2015 ,		1
71	A novel TWDM-PON architecture with control channel 2014 ,		1
70	Opto-VLSI-Based Beamformer for Radio-Frequency Phased-Array Antennas. <i>IEEE Photonics Journal</i> , 2012 , 4, 912-919	1.8	1
69	Availability-Aware Joint Task Scheduling for Real-Time Distributed Computing Applications over Optical Networks 2010 ,		1
68	Task scheduling accuracy analysis in optical grid environments. <i>Photonic Network Communications</i> , 2009 , 17, 209-217	1.7	1
67	Tolerance of laser frequency offset in optical minimum-shift keying transmission systems. <i>Optics Communications</i> , 2009 , 282, 2774-2779	2	1

66	Optical Network Unit Design for TWDM-PON 2012 ,		1
65	Photonic crystal one-way delay waveguide 2012 ,		1
64	Dichotomy Slot Allocation: A QoS Guaranteed Scheduling Algorithm for Input-Queued Switches. <i>IEEE Systems Journal</i> , 2010 , 4, 74-83	4.3	1
63	Task scheduling considering fault probability for distributed computing applications over an optical network. <i>Journal of Optical Networking</i> , 2008 , 7, 947		1
62	Scheduling strategies for multiple optical grid applications based on scheduling span and fairness 2008 ,		1
61	Rescheduling policy for fault-tolerant optical grid 2007 ,		1
60	Lightpath-based flooding for GMPLS-controlled all-optical networks. <i>IEEE Communications Letters</i> , 2007 , 11, 91-93	3.8	1
59	Performance Investigation of a Multiformat Transmitter With Pulsewidth Tunability. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 2305-2307	2.2	1
58	Comparison of intraband crosstalk penalty in WDM networks for externally and directly modulated lasers. <i>Electronics Letters</i> , 1999 , 35, 220	1.1	1
57	A Meta-learning-assisted Training Framework for Physical Layer Modeling in Optical Networks. <i>Journal of Lightwave Technology</i> , 2022 , 1-1	4	1
56	Performance and Cost of Upstream Resource Allocation for Inter-Edge-Datacenter Bulk Transfers 2020 ,		1
55	Upstream Multi-wavelength Shared TDM-PON using RSOA based Directly Modulated Tunable Fiber Ring Laser 2011 ,		1
54	Optical Filtering Impairment Monitoring Based on Artificial Neural Network in Coherent Receiver 2020 ,		1
53	An IF-Free TDM Fronthaul Aggregating Two 128-MIMO Signals with Enhanced Spectral Efficiency Using Baseband Sample Interleaved Gathering 2018 ,		1
52	DSP-aided Telemetry in Monitoring Linear and Nonlinear Optical Transmission Impairments 2020 ,		1
51	Imbalanced Mach-Zehnder Modulator for Fading Suppression in Dispersion-Uncompensated Direct Detection System. <i>Electronics (Switzerland)</i> , 2021 , 10, 2866	2.6	1
50	Enabling Technologies for Comprehensive Optical Mobile Fronthaul Access Network 2021 ,		1
49	FPGA-based Implementation of Artificial Neural Network for Nonlinear Signal-to-Noise Ratio Estimation 2021 ,		1

48	High tolerance against chirp induced distortions in PAM4-based digital mobile fronthaul by sample bits interleaving. <i>Optics Express</i> , 2018 , 26, 28206-28215	3.3	1
47	Fast Gain Recovery of All-Optical Switches Based on Multiple Cascaded SOAs 2014 ,		1
46	Secure Key Generation and Distribution Using Polarization Dynamics in Fiber 2020 ,		1
45	A Data-Fusion-Assisted Telemetry Layer for Autonomous Optical Networks. <i>Journal of Lightwave Technology</i> , 2021 , 39, 3400-3411	4	1
44	Real-time IBFD transmission system based on adaptive optical self-interference cancellation using the hybrid criteria regular triangle algorithm. <i>Optics Letters</i> , 2021 , 46, 1069-1072	3	1
43	All-Optical Wavelength Conversion of PAM-4 Signal using Photonic Integrated Turbo-Switch 2018 ,		1
42	Quantization-Noise Suppression for Uplink eCPRI Assisted by Wireless-Channel Estimation Feedback 2018 ,		1
41	Key Generation and Distribution Using Phase Fluctuation in Classical Fiber Channel 2018 ,		1
40	FPGA Implementation of Real-Time Secure OFDM Transmission Using Digital Chaos 2018 ,		1
39	Subcarrier-pairing entropy loading for digital subcarrier-multiplexing systems with colored-SNR distributions. <i>Optics Express</i> , 2021 , 29, 28852-28863	3.3	1
38	Performance and complexity analysis of conventional and deep learning equalizers for the high-speed IMDD PON. <i>Journal of Lightwave Technology</i> , 2022 , 1-1	4	1
37	A GMM-based non-uniform quantization scheme for improving low-resolution IMDD-UFMC system performance. <i>Optical Fiber Technology</i> , 2022 , 71, 102943	2.4	1
36	All-Optical Wavelength Conversion in an InP Photonic Integrated Turbo-Switch. <i>IEEE Photonics Technology Letters</i> , 2019 , 31, 1576-1579	2.2	0
35	Design and Performance of a Cyclic Fault-Tolerant Semiconductor Optical Amplifier Switch Matrix. <i>Journal of Optical Communications and Networking</i> , 2014 , 6, 858	4.1	0
34	Photonic generation of linearly chirped millimeter wave based on comb-spacing tunable optical frequency comb. <i>Optical Engineering</i> , 2013 , 52, 126107	1.1	0
33	Combined ML and QR Detection Algorithm for MIMO-OFDM Systems with Perfect Channel State Information. <i>ETRI Journal</i> , 2013 , 35, 371-377	1.4	0
32	Effect of phase noise on optical minimum-shift keying transmission systems. <i>Optics Communications</i> , 2009 , 282, 4045-4051	2	0
31	Crosstalk analysis of FBG-based bidirectional optical crossconnects. <i>Optics Communications</i> , 2004 , 238, 91-103	2	0

30	A Partial Store-and-Forward Scheduling Method for Inter-Datacenter Bulk Data Transfers. <i>IEEE Access</i> , 2020 , 8, 128167-128181	3.5	o
29	Efficient Post-Processing for Physical-Layer Secure Key Distribution in Fiber. <i>IEEE Photonics Technology Letters</i> , 2021 , 33, 325-328	2.2	o
28	Single-Fiber Bi-Directional Burst-Mode EDFA for TWDM-PON. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-6	1.8	o
27	Simplified SVM Equalization Algorithm Based on Single Hyperplane Training Enabled 50Gb/s PAM-4/8 With 10-G Optics in NG-PON System. <i>IEEE Photonics Journal</i> , 2021 , 13, 1-7	1.8	o
26	Dimensioning access link capacity for time-varying traffic with mixed packet streams and circuit connections. <i>Journal of Optical Communications and Networking</i> , 2021 , 13, 276	4.1	o
25	A modified Volterra equalizer for compensation distortion in C-band DML-based short reach limited-bandwidth system with 80-Gb/s PAM-4 signals. <i>Optics Communications</i> , 2022 , 513, 128105	2	o
24	Sub-sampling generation of ultra-high baud rate PAM/QAM signals via high-order partial response narrowing. <i>Optics Express</i> , 2021 , 29, 44063	3.3	o
23	Pilot-tone Assisted Successive Interference Cancellation for Uplink Power- and Frequency-Division Multiplexing Passive Optical Network. <i>Journal of Lightwave Technology</i> , 2022 , 1-1	4	o
22	SOA assisted wavelength reusing for 25G colorless PON with low-cost 10G EAM. <i>IEEE Photonics Journal</i> , 2022 , 1-1	1.8	o
21	A comprehensive optical mobile fronthaul network toward high-fidelity, flexible and low-latency transport. <i>Photonic Network Communications</i> , 2019 , 37, 322-334	1.7	
20	Two-dimensional projection histogram assisted with low-overhead pilots for the common phase error compensation in CO-OFDM system. <i>Optical Fiber Technology</i> , 2020 , 54, 102131	2.4	
19	Comparative investigation on 10G-class and 25G-class receivers for O-band DML-based 25/50 Gbps TDM-PON. <i>Optical Fiber Technology</i> , 2020 , 54, 102105	2.4	
18	. <i>IEEE/ACM Transactions on Networking</i> , 2017 , 25, 879-895	3.8	
17	Towards High Speed of All-Optical Logic and Switches Using Semiconductor Optical Amplifiers. <i>Recent Patents on Electrical and Electronic Engineering</i> , 2013 , 6, 50-54		
16	Excimer laser ablation of (001) textured ZnO waveguiding films on fused silica. <i>Ferroelectrics</i> , 1997 , 195, 179-182	0.6	
15	Subnanosecond wavelength-tunable heterodyne receiver and analysis of its fundamental switching speed. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 355-357	2.2	
14	Dynamic multicasting in wavelength-division multiplexing ring employing multicast-capable optical add/drop multiplexers. <i>Optical Engineering</i> , 2006 , 45, 080502	1.1	
13	The effects of pump noise on noise characteristics of fiber optical parametric amplifiers. <i>Optics Communications</i> , 2006 , 266, 181-186	2	

12	The effects of pump phase modulation on noise characteristics of fiber optical parametric amplifiers. <i>European Physical Journal D</i> , 2006 , 40, 431-436	1.3
11	Reduction of Coupling Loss in a One-to-many Collimating System for a Wavelength Division (de)Multiplexer. <i>Applied Optics</i> , 1998 , 37, 4084-90	1.7
10	Performance comparison of partial-response square shaped signal with direct detection. <i>Optics Communications</i> , 2022 , 511, 127993	2
9	Direct-sequence spread spectrum time division multiple access with direct detection for latency optimized passive optical network. <i>Optics Communications</i> , 2022 , 510, 127955	2
8	GMPLS for Future Applications104-117	
7	Community Sports Organization Development From a Social Network Evolution Perspective--Structures, Stages, and Stimulus. <i>IEEE Transactions on Computational Social Systems</i> , 2021 , 1-12	4.5
6	Wavelength and Waveband Assignment for Ring Networks Based on Parallel Multi-granularity Hierarchical OADMs. <i>ETRI Journal</i> , 2006 , 28, 631-637	1.4
5	Q-Learning Based Joint Allocation of Fronthaul and Radio Resources in Multiwavelength-Enabled C-RAN. <i>Lecture Notes in Computer Science</i> , 2020 , 623-634	0.9
4	Communication Contention Reduction in Joint Scheduling for Optical Grid Computing. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2009 , 206-214	0.2
3	Workload Based Geo-Distributed Data Center Planning in Fast Developing Economies. <i>IEEE Access</i> , 2020 , 8, 224269-224282	3.5
2	16.8 Tb/s True Random Number Generator Based on Amplified Spontaneous Emission. <i>IEEE Photonics Technology Letters</i> , 2021 , 33, 699-702	2.2
1	Direct detection transmission of a PAM signal with power fading mitigation based on Alamouti coding and dual-drive MZM.. <i>Optics Express</i> , 2022 , 30, 9321-9335	3.3