

# Paulo Mp Monteiro

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9414557/publications.pdf>

Version: 2024-02-01

328  
papers

2,478  
citations

361413

20  
h-index

361022

35  
g-index

342  
all docs

342  
docs citations

342  
times ranked

1664  
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward an Efficient C-RAN Optical Fronthaul for the Future Networks: A Tutorial on Technologies, Requirements, Challenges, and Solutions. IEEE Communications Surveys and Tutorials, 2018, 20, 708-769.	39.4	269
2	Photonic RF instantaneous frequency measurement system by means of a polarizatio-ndomain interferometer. Optics Express, 2009, 17, 5433.	3.4	67
3	Nonlinear Semi-Analytical Model for Simulation of Few-Mode Fiber Transmission. IEEE Photonics Technology Letters, 2012, 24, 240-242.	2.5	63
4	High-speed generalized distributed-amplifier-based transversal-filter topology for optical communication systems. IEEE Transactions on Microwave Theory and Techniques, 1997, 45, 1453-1457.	4.6	51
5	EPON versus APON and GPON: a detailed performance comparison. Journal of Optical Networking, 2006, 5, 298.	2.5	48
6	Research Challenges, Trends and Applications for Future Joint Radar Communications Systems. Wireless Personal Communications, 2018, 100, 81-96.	2.7	45
7	Highly Linear Integrated Optical Transmitter for Subcarrier Multiplexed Systems. IEEE Photonics Technology Letters, 2009, 21, 438-440.	2.5	44
8	Challenges and Opportunities of Optical Wireless Communication Technologies. , 0, , .		39
9	Detection and classification of peer-to-peer traffic. ACM Computing Surveys, 2013, 45, 1-40.	23.0	36
10	Demonstration of a hybrid optical fiberâ€“wireless 5G fronthaul coexisting with end-to-end 4G networks. Journal of Optical Communications and Networking, 2020, 12, 72.	4.8	36
11	Coherent Free-Space Optical Communications: Opportunities and Challenges. Journal of Lightwave Technology, 2022, 40, 3173-3186.	4.6	36
12	An overview of routing methods in optical burst switching networks. Optical Switching and Networking, 2010, 7, 41-53.	2.0	34
13	200 G Outdoor Free-Space-Optics Link Using a Single-Photodiode Receiver. Journal of Lightwave Technology, 2020, 38, 394-400.	4.6	29
14	Optical single-sideband transmitter for various electrical signaling formats. Journal of Lightwave Technology, 2006, 24, 2059-2069.	4.6	28
15	Simulation and Experimental Characterization of SOA-MZI-Based Multiwavelength Conversion. Journal of Lightwave Technology, 2009, 27, 117-127.	4.6	28
16	Analysis of multiuser mixed RF/FSO relay networks for performance improvements in Cloud Computing-Based Radio Access Networks (CC-RANs). Optics Communications, 2017, 402, 653-661.	2.1	27
17	Compact Models for Critical Node Detection in Telecommunication Networks. Electronic Notes in Discrete Mathematics, 2018, 64, 325-334.	0.4	27
18	Adaptive Probabilistic Shaped Modulation for High-Capacity Free-Space Optical Links. Journal of Lightwave Technology, 2020, 38, 6529-6541.	4.6	27

#	ARTICLE	IF	CITATIONS
19	Development of 10 Gb/s EPON in IEEE 802.3av. , 2008, 46, 40-47.		26
20	On EPON security issues. IEEE Communications Surveys and Tutorials, 2007, 9, 68-83.	39.4	25
21	All-Optical Burst-Mode Power Equalizer Based on Cascaded SOAs for 10-Gb/s EPONs. IEEE Photonics Technology Letters, 2008, 20, 2078-2080.	2.5	24
22	Channel characterization and empirical model for ergodic capacity of free-space optical communication link. Optics Communications, 2017, 390, 123-129.	2.1	22
23	Photonic True-Time Delay Beamforming Based on Polarization-Domain Interferometers. Journal of Lightwave Technology, 2010, 28, 2492-2498.	4.6	21
24	Outage Probability of Multiuser Mixed RF/FSO Relay Schemes for Heterogeneous Cloud Radio Access Networks (H-CRANs). Wireless Personal Communications, 2017, 95, 27-41.	2.7	20
25	Photonic Instantaneous Microwave Frequency Measurement System Based on Signal Remodulation. IEEE Photonics Technology Letters, 2010, 22, 1226-1228.	2.5	19
26	Dispersion-supported transmission at 20 Gbit/s over 53 km standard singlemode fibre. Electronics Letters, 1995, 31, 566-568.	1.0	18
27	Error-free wavelength conversion at 160 Gbit/s in PPLN waveguide at room temperature. Electronics Letters, 2009, 45, 1135.	1.0	18
28	Spatial Interpolated Lookup Tables (LUTs) Models for Ergodic Capacity of MIMO FSO Systems. IEEE Photonics Technology Letters, 2017, 29, 583-586.	2.5	18
29	Performance Monitoring in Optical Networks Using Asynchronously Acquired Samples With Nonideal Sampling Systems and Intersymbol Interference. Journal of Lightwave Technology, 2004, 22, 2452-2459.	4.6	17
30	All-Optical Conversion From RZ to NRZ Using Gain-Clamped SOA. IEEE Photonics Technology Letters, 2007, 19, 357-359.	2.5	17
31	Optical wireless communication for future broadband access networks. , 2016, , .		17
32	Real-time dual-polarization transmission based on hybrid optical wireless communications. Optical Fiber Technology, 2018, 40, 114-117.	2.7	17
33	Self-Adjusting DBA Algorithm for Next Generation PONs (NG-PONs) to Support 5G Fronthaul and Data Services. Journal of Lightwave Technology, 2021, 39, 1913-1924.	4.6	17
34	Towards Enhanced Mobile Broadband Communications: A Tutorial on Enabling Technologies, Design Considerations, and Prospects of 5G and beyond Fixed Wireless Access Networks. Applied Sciences (Switzerland), 2021, 11, 10427.	2.5	17
35	10-Gb/s pulse-shaping distributed-based transversal filter front-end for optical soliton receivers. , 1998, 8, 4-6.		16
36	Optimized passive optical network deployment. Journal of Optical Networking, 2007, 6, 1079.	2.5	16

#	ARTICLE	IF	CITATIONS
37	A comparison of remote radio head optical transmission technologies for next generation wireless systems. , 2009, , .		16
38	Optical Signal-to-Noise Ratio Estimation Using Reference Asynchronous Histograms. Journal of Lightwave Technology, 2009, 27, 731-743.	4.6	16
39	10G EPON Development Process. , 2007, , .		15
40	Radio over fiber access network architecture employing reflective semiconductor optical amplifiers. , 2007, , .		15
41	Impact of Node Architecture in the Power Consumption and Footprint Requirements of Optical Transport Networks. Journal of Optical Communications and Networking, 2013, 5, 421.	4.8	15
42	Free-Space Terabit Optical Interconnects. Journal of Lightwave Technology, 2022, 40, 1519-1526.	4.6	15
43	20 Gbit/s DR based timing recovery circuit. Electronics Letters, 1994, 30, 799-800.	1.0	14
44	Enhanced Just-in-Time: A New Resource Reservation Protocol for Optical Burst Switching Networks. Proceedings - International Symposium on Computers and Communications, 2007, , .	0.0	14
45	Analysis of Peer-to-Peer Traffic Using a Behavioural Method Based on Entropy. , 2008, , .		14
46	Field Experiments With a Grooming Switch for OTDM Meshed Networking. Journal of Lightwave Technology, 2010, 28, 316-327.	4.6	14
47	Fiber Optic Networks for Distributed Radio Architectures: FUTON Concept and Operation. , 2010, , .		14
48	Semi-analytical model for linear modal coupling in few-mode fiber transmission. , 2012, , .		14
49	Performance Analysis of Space-Air-Ground Integrated Network (SAGIN) Over an Arbitrarily Correlated Multivariate FSO Channel. Wireless Personal Communications, 2018, 100, 47-66.	2.7	14
50	High-Resolution Delay-Doppler Estimation Using Received Communication Signals for OFDM Radar-Communication System. IEEE Transactions on Vehicular Technology, 2020, 69, 13112-13123.	6.3	14
51	Cooperative Method for Distributed Target Tracking for OFDM Radar With Fusion of Radar and Communication Information. IEEE Sensors Journal, 2021, 21, 15584-15597.	4.7	14
52	A Survey on MIMO-OFDM Systems: Review of Recent Trends. Signals, 2022, 3, 359-395.	1.9	14
53	On the use of electrical precompensation of dispersion in optical single-sideband transmission systems. IEEE Journal of Selected Topics in Quantum Electronics, 2006, 12, 603-614.	2.9	13
54	On the Modelling and Performance Evaluation of Optical Burst-Switched Networks. , 0, , .		13

#	ARTICLE	IF	CITATIONS
55	The Ethernet Frame Payload Size and Its Effect on IPv4 and IPv6 Traffic. , 2008, , .		13
56	An Overview of LiDAR Requirements and Techniques for Autonomous Driving. , 2021, , .		13
57	Enhanced resilience towards ROADM-induced optical filtering using subcarrier multiplexing and optimized bit and power loading. Optics Express, 2019, 27, 30710.	3.4	13
58	Single-Wavelength Terabit FSO Channel for Datacenter Interconnects Enabled by Adaptive PCS. , 2021, , .		13
59	Generalized noise analysis technique for four-port linear networks. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2005, 52, 631-640.	0.1	12
60	Adaptive optoelectronic filter for improved optical single sideband generation. IEEE Photonics Technology Letters, 2006, 18, 415-417.	2.5	12
61	On the Performance of Shortest Path Routing Algorithms for Modeling and Simulation of Static Source Routed Networks – an Extension to the Dijkstra Algorithm. , 2007, , .		12
62	Optical grooming switch with regenerative functionality for transparent interconnection of networks. Optics Express, 2009, 17, 15173.	3.4	12
63	Identification of Peer-to-Peer VoIP Sessions Using Entropy and Codec Properties. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 2004-2014.	5.6	12
64	Effects of diversity schemes and correlated channels on OWC systems performance. Journal of Modern Optics, 2017, 64, 2298-2305.	1.3	12
65	Comparison of DoA Algorithms for MIMO OFDM Radar. , 2018, , .		12
66	Effects of Correlated Multivariate FSO Channel on Outage Performance of Space-Air-Ground Integrated Network (SAGIN). Wireless Personal Communications, 2019, 106, 7-25.	2.7	12
67	Enabling Optical Wired and Wireless Technologies for 5G and Beyond Networks. , 0, , .		12
68	Adaptive optical beam alignment and link protection switching for 5G-over-FSO. Optics Express, 2021, 29, 20136.	3.4	11
69	Enhanced Phase Estimation for Long-Haul Multi-Carrier Systems Using a Dual-Reference Subcarrier Approach. Journal of Lightwave Technology, 2021, 39, 2714-2724.	4.6	11
70	Optimizing Probabilistic Constellation Shaping for Amplifier-Less Coherent Optical Links. Journal of Lightwave Technology, 2021, 39, 4318-4330.	4.6	11
71	10 Gbit/s timing recovery circuit using dielectric resonator and active bandpass filters. Electronics Letters, 1992, 28, 819.	1.0	10
72	All-Optical Vestigial Sideband Generation Using a Semiconductor Optical Amplifier. IEEE Photonics Technology Letters, 2006, 18, 2212-2214.	2.5	10

#	ARTICLE	IF	CITATIONS
73	Modelling and experimental validation of an x-cut four phase modulators structure. IEE Proceedings: Optoelectronics, 2006, 153, 145-151.	0.8	10
74	OPNp1-5: Wavelength Contention Minimization Strategies for Optical Burst-Switched Networks. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	10
75	Benefits of Node Architecture Flexibility and Hitless Re-Grooming in Transport Networks. Journal of Lightwave Technology, 2015, 33, 4424-4436.	4.6	10
76	Mobile fronthaul RoF transceivers for C-RAN applications. , 2015, , .		10
77	Joint Carrier-Phase Estimation for Digital Subcarrier Multiplexing Systems With Symbol-Rate Optimization. Journal of Lightwave Technology, 2021, 39, 6403-6412.	4.6	10
78	On supporting radio over fiber and passive optical network systems with a common fiber plant: Compatibility aspects. , 2008, , .		9
79	Comparative evaluation of fibre-optic architectures for next-generation distributed antenna systems. , 2009, , .		9
80	Source traffic analysis. ACM Transactions on Multimedia Computing, Communications and Applications, 2010, 6, 1-23.	4.3	9
81	Optimized Routing and Buffer Design for Optical Transport Networks Based on Virtual Concatenation. Journal of Optical Communications and Networking, 2011, 3, 725.	4.8	9
82	Lightpath admission control and rerouting in dynamic flexâ€grid optical transport networks. Networks, 2017, 69, 151-163.	2.7	9
83	Design method for FIR-based Hilbert transform filters suitable for broadband AM-SSB. Electronics Letters, 2002, 38, 605.	1.0	8
84	40â€Gbit/s wavelength multicast via SOA-MZI and applications. Electronics Letters, 2007, 43, 1300.	1.0	8
85	Theoretical and experimental performance evaluation of all-optical multiwavelength conversion by four-wave mixing in fiber at 10/20/40 Gb/s for optical layer multicast. Microwave and Optical Technology Letters, 2007, 49, 1067-1071.	1.4	8
86	40-Gb/s Multichannel NRZ to CSRZ Format Conversion Using an SOA. IEEE Photonics Technology Letters, 2008, 20, 1597-1599.	2.5	8
87	Non-Orthogonal Multicarrier Waveform for Radar With Communications Systems: 24 GHz GFDM RadCom. IEEE Access, 2019, 7, 128694-128705.	4.2	8
88	Multi-Carrier 5G-Compliant DML-Based Transmission Enhanced by Bit and Power Loading. IEEE Photonics Technology Letters, 2020, 32, 737-740.	2.5	8
89	200 Gbit/s Free-Space Optics Transmission Using a Kramers-Kronig Receiver. , 2019, , .		8
90	Transmission Fiber Chromatic Dispersion Dependence on Temperature: Implications on 40 Gb/s Performance. ETRI Journal, 2006, 28, 257-259.	2.0	7

#	ARTICLE	IF	CITATIONS
91	Minimizing the Number of Wavelength Converters in Optical Burst-Switched Networks. , 2007, , .		7
92	OTDM-to-WDM Conversion based on Wavelength Conversion and Time Gating in a Single Optical Gate. , 2008, , .		7
93	Theoretical and Experimental Analysis of LED Lamp for Visible Light Communications. Wireless Personal Communications, 2022, 125, 3461-3477.	2.7	7
94	Adaptive optical single sideband filter based on a phase modulator. Electronics Letters, 2005, 41, 760.	1.0	6
95	On Efficiency of Ethernet Passive Optical Networks (EPONs). , 2006, , .		6
96	Transparent Ring Interconnection using Multi-Wavelength Processing Switches. , 2006, , .		6
97	Impact of Mode-Partition Noise in the Performance of 10 Gbit/s Ethernet Passive Optical Networks. , 2007, , .		6
98	Efficient Optical Burst-Switched networks using only Fiber Delay Line buffers for contention resolution. , 2007, , .		6
99	Impact of Self-Phase Modulation on In-Band Crosstalk Penalties. IEEE Photonics Technology Letters, 2008, 20, 644-646.	2.5	6
100	Long-Reach 10 Gbps Ethernet Passive Optical Network based on a Protected Ring Architecture. , 2008, , .		6
101	Using adapted visibility graphs for network planning. , 2008, , .		6
102	Scalable and cost-effective design of optical transport networks supporting heterogeneous Ethernet services. , 2010, , .		6
103	XPM Crosstalk Using V and W Band in SCMâ€“WDMâ€“HAN. Optical and Quantum Electronics, 2016, 48, 1.	3.3	6
104	24 GHz QAM-FBMC Radar with Communication System (RadCom). , 2018, , .		6
105	Mitigation of chromatic dispersion effects on optical single sideband signals by butterworth filtering. , 0, , .		5
106	Detailed numerical analysis of a four-wave mixing in dispersion-shifted fiber based all-optical wavelength converter of 10 Gb/s single sideband optical signal. Optical Fiber Technology, 2006, 12, 288-295.	2.7	5
107	A New Architecture for Optical Burst Switched Networks Based on a Common Control Channel. , 0, , .		5
108	A new architectural approach for optical burst switching networks based on a common control channel. Optical Switching and Networking, 2007, 4, 173-188.	2.0	5

#	ARTICLE	IF	CITATIONS
109	Self-protected long-reach 10 Gbits/s EPONs based on a ring architecture. Journal of Optical Networking, 2008, 7, 467.	2.5	5
110	Analysis of the Impact of Intensive Attacks on the Self-Similarity Degree of the Network Traffic. , 2008, , .		5
111	10G EPON Standardization in IEEE 802.3av Project. , 2008, , .		5
112	Forward error correction in 10 Gbits/s Ethernet passive optical networks. Journal of Optical Networking, 2009, 8, 84.	2.5	5
113	Tunable Optical Dispersion Compensator Based on Power Splitting Between Two Dispersive Media. Journal of Lightwave Technology, 2010, 28, 1164-1175.	4.6	5
114	Highly Linear Single Sideband Transmitter for Radio-Over-Fiber Systems. IEEE Photonics Technology Letters, 2011, 23, 1718-1720.	2.5	5
115	Optical transport network design with collocated regeneration and differential delay compensation. , 2012, , .		5
116	Flexible Infrastructure for the Development and Integration of Access/Fronthauling Solutions in Future Wireless Systems. , 2018, , .		5
117	High-Resolution DOA Estimation of Closely-Spaced and Correlated Targets for MIMO OFDM Radar-Communication System. , 2019, , .		5
118	Performance Analysis of 5G Fixed Wireless Access Networks with Antenna Diversity Techniques. Wireless Personal Communications, 2020, 113, 1541-1565.	2.7	5
119	Experimental Analysis of the Impact of Indoor Turbulence on FSO for Intra-Datacenter Communications. , 2021, , .		5
120	Enhancing Power Budget and Spectral Efficiency in Amplifier-Less Coherent Optical Links. IEEE Photonics Technology Letters, 2021, 33, 1383-1386.	2.5	5
121	Multigigabit distributed amplifiers for signal shaping applications. Electronics Letters, 1996, 32, 355.	1.0	4
122	Study of Optical Transmission Performance in IP-over-WDM Networks Based on FSK/ASK Combined Modulation Format. ETRI Journal, 2005, 27, 267-272.	2.0	4
123	Cross-gain modulation bandwidth enhancement in semiconductor optical amplifiers by means of detuned optical filter. Electronics Letters, 2005, 41, 761.	1.0	4
124	Transmission improvements using electrical dispersion compensation at the transmitter side and RZ pulse format in optical single sideband systems. , 0, , .		4
125	Adjustable Electrical Dispersion Compensation in a 40-Gb/s Optical Single Sideband System. IEEE Photonics Technology Letters, 2006, 18, 2689-2691.	2.5	4
126	Flexible logical-link-identifier assignment policy for Ethernet passive optical networks based on extended multipoint-control-protocol DU flow control. Journal of Optical Networking, 2006, 5, 681.	2.5	4

#	ARTICLE	IF	CITATIONS
127	Optically-Addressable Packet Timeslot Interchanger Using a Quadruple Switch Array. , 2007, , .		4
128	Influence of the Extinction Ratio on the Intrachannel Nonlinear Distortion of 40-Gb/s Return-to-Zero Transmission Systems Over Standard Fiber. Journal of Lightwave Technology, 2007, 25, 1447-1457.	4.6	4
129	Performance Evaluation of Wavelength Conversion at 160 Gbit/s using XGM in Quantum-Dot Semiconductor Optical Amplifiers in MZI configuration. , 2007, , .		4
130	GVD and PMD monitoring by means of SPM and XPM effects in a SOA. , 2008, , .		4
131	Performance Study of OBS Networks Using Traffic Engineering in the Wavelength Domain and Delayed Ingress Burst Scheduling. , 2008, , .		4
132	Evaluation of a Multiobjective Alternative Routing Method in Carrier IP/MPLS Networks. Lecture Notes in Computer Science, 2009, , 195-206.	1.3	4
133	Contention minimisation in optical burst-switched networks combining traffic engineering in the wavelength domain and delayed ingress burst scheduling. IET Communications, 2009, 3, 372.	2.2	4
134	Guest Editorial Distributed Broadband Wireless Communications. IEEE Journal on Selected Areas in Communications, 2011, 29, 1121-1122.	14.0	4
135	Exploring Behavioral Patterns Through Entropy in Multimedia Peer-to-Peer Traffic. Computer Journal, 2012, 55, 740-755.	2.4	4
136	Hybrid fibre infrastructures for cloud radio access networks. , 2014, , .		4
137	Impact of Grooming Architecture of Transport Nodes in Line Interface Count for Multi-Period Planning. , 2015, , .		4
138	Implementation and Evaluation of a Low Latency and Resource Efficient Compression Method for Digital Radio Transport of OFDM Signals. , 2015, , .		4
139	Reducing ROADM Filtering Penalties Using Subcarrier Multiplexing with Offline Bit and Power Loading. , 2018, , .		4
140	Functional Split Perspectives: A Disruptive Approach to RAN Performance Improvement. Wireless Personal Communications, 2019, 106, 205-218.	2.7	4
141	Low Latency Dynamic Bandwidth Allocation Algorithms for NG-PON2 to Support 5G Fronthaul and Data Services. , 2019, , .		4
142	400G+ Wireless Transmission via Free-Space Optics. , 2021, , .		4
143	400G MIMO-FSO Transmission with Enhanced Reliability Enabled by Joint LDPC Coding. , 2021, , .		4
144	Dynamic Bandwidth Allocation for NG-PONs With Channel Bonding. IEEE Communications Letters, 2022, 26, 374-378.	4.1	4

#	ARTICLE	IF	CITATIONS
145	5G-Compatible IF-Over-Fiber Transmission Using a Low-Cost SFP-Class Transceiver. IEEE Access, 2022, 10, 24601-24610.	4.2	4
146	Exact noise analysis of distributed preamplifiers for optical receivers. Microwave and Optical Technology Letters, 2001, 30, 416-418.	1.4	3
147	Improvement of Amplitude-Shift-Keying Signal Quality by Employing an Effective Spectrum Equalization Method in a Combined FSK/ASK Modulation Scheme. Chinese Physics Letters, 2005, 22, 1948-1950.	3.3	3
148	Extraction of laser parameters for simulation purposes. , 0, , .		3
149	Assessment of Burst Assembly Algorithms using Real IPv4 Data Traces. , 2006, , .		3
150	Novel distortion resilient OSNR monitoring technique based on evaluation of asynchronous histograms. Microwave and Optical Technology Letters, 2006, 48, 1369-1372.	1.4	3
151	EPON System Efficiency Evaluation with Extended GATE / REPORT MPCP DUs. , 2006, , .		3
152	Cross-Gain Modulation-based 2R Regenerator Using Quantum-Dot Semiconductor Optical Amplifiers at 160 Gbit/s. , 2007, , .		3
153	Pump-probe analysis of the cross-phase modulation degradation induced by 10 Gbit/s amplitude-shift-keyed signals on 40 Gbit/s DPSK signals. Optics Letters, 2007, 32, 2786.	3.3	3
154	Performance of Optical Burst Switched Networks for Grid Applications. , 2007, , .		3
155	Postdetection Adjustable Simultaneous Compensation of DGD and GVD in a 40-Gb/s Optical Single-Sideband System. IEEE Photonics Technology Letters, 2007, 19, 1356-1358.	2.5	3
156	2R/3R optical grooming switch with time-slot interchange. , 2008, , .		3
157	Challenges and trends in optical networking: A bottom-up approach. , 2008, , .		3
158	All-optical conversion to vestigial sideband through self-phase modulation in semiconductor optical amplifier. , 2009, , .		3
159	Optimization framework for supporting 40 Gb/s and 100 Gb/s services over optical transport networks. , 2010, , .		3
160	Fast synthesis of persistent fractional Brownian motion. ACM Transactions on Modeling and Computer Simulation, 2012, 22, 1-21.	0.8	3
161	Flexible OTDM to WDM converter enabled by a programmable optical processor. Optics Express, 2012, 20, 1783.	3.4	3
162	Design cost and spectrum efficiency comparison of fixed-grid and flex-grid optical networks with grooming. , 2014, , .		3

#	ARTICLE	IF	CITATIONS
163	On the impact of client to line port blocking in the line interface count and footprint of transport networks. , 2014, , .		3
164	Lightpath Admission Control in Dynamic Optical Transport Networks. Electronic Notes in Discrete Mathematics, 2016, 52, 205-212.	0.4	3
165	High Spectral Wavelength Agnostic Multicarrier D-RoF Modem Based on Uncooled RSOA. IEEE Photonics Technology Letters, 2016, 28, 1010-1013.	2.5	3
166	Real-Time FPGA-Based Delta-Sigma-Modulation Transmission for 60 GHz Radio-Over-Fiber Fronthaul. , 2018, , .		3
167	Spatial Light Modulation as a Flexible Platform for Optical Systems. , 0, , .		3
168	Fusion of Radar and Communication Information for Tracking in OFDM Automotive Radar at 24 GHz. , 2020, , .		3
169	Towards a Sustainable Green Design for Next-Generation Networks. Wireless Personal Communications, 2021, 121, 1123-1138.	2.7	3
170	6G CloudNet: Towards a Distributed, Autonomous, and Federated AI-Enabled Cloud and Edge Computing. Computer Communications and Networks, 2021, , 251-283.	0.8	3
171	Chromatic Dispersion-Aware Carrier-Phase Estimation for Digital Subcarrier Multiplexing Systems. , 2020, , .		3
172	Joint Optimization of Coding, Shaping and Clipping for Amplifier-Less Coherent Optical Systems. , 2020, , .		3
173	Experimental assessment of the performance of cooperative links in visible light communications. Optics Communications, 2022, 524, 128771.	2.1	3
174	<title>Bit synchronization in multigigabit receivers</title>. , 1993, 1974, 148.		2
175	All optical router based on OCDMA codes and SOA based devices. , 0, , .		2
176	Highly efficient electrical dispersion compensation scheme for optical single sideband systems. , 2005, , .		2
177	Optical Communications Research at Institute of Telecommunications. Fiber and Integrated Optics, 2005, 24, 411-428.	2.5	2
178	Fine Transmittance/Reflectivity Measurement System Using Single-Sideband Frequency Sweeper with Ultra-Wideband Hilbert Transformer. , 2006, , .		2
179	All Optical Vestigial Sideband Generation using counter propagating pumping in Semiconductor Optical Amplifier. , 2007, , .		2
180	On Fully Exploiting the Space Domain for Contention Resolution/Avoidance in Optical Burst-Switched Networks. , 2007, , .		2

#	ARTICLE	IF	CITATIONS
181	Comparison and optimisation of optical single sideband transmitters. IET Optoelectronics, 2007, 1, 82-90.	3.3	2
182	Measuring and Profiling IP Traffic. , 2007, , .		2
183	Dispersion Management of Electrically Precompensated RZ Single-Sideband Signals at 10 Gb/s Without Inline Dispersion Compensation. IEEE Photonics Technology Letters, 2007, 19, 1039-1041.	2.5	2
184	Design of optical filter for increased efficiency of wavelength converters based on fiber XPM. Optics Communications, 2007, 271, 100-104.	2.1	2
185	MZI-SOA-based 2R regeneration of OCDMA signals with multiaccess interference noise. Microwave and Optical Technology Letters, 2008, 50, 1521-1523.	1.4	2
186	XPM Degradation of Dispersion-Precompensated Intensity Modulation Direct-Detection Systems Without Inline Dispersion Compensation. IEEE Photonics Technology Letters, 2008, 20, 736-738.	2.5	2
187	Highly linear radio-over-fiber transmitter for subcarrier multiplexed systems. , 2008, , .		2
188	Bandwidth-Efficient Optical Burst-Switched Networks using only a Minimum Number of Shared Wavelength Converters. , 2008, , .		2
189	In-band crosstalk penalties in optical networks with narrow optical and electric filtering. Optics Express, 2009, 17, 4605.	3.4	2
190	Traffic Engineering in the Wavelength Domain for Optical Burst-Switched Networks. Journal of Lightwave Technology, 2009, 27, 3075-3091.	4.6	2
191	Photonic Instantaneous Frequency Measurement System Using Complementary Modulation. IEEE Photonics Technology Letters, 2011, 23, 143-145.	2.5	2
192	Impact of collocated regeneration and differential delay compensation in optical transport networks. , 2011, , .		2
193	Cost-Optimized Planning for Supporting 100 Gb/s and 40 Gb/s Services over Channel Count-Limited Optical Transport Networks. , 2011, , .		2
194	High spectral efficient and flexible multicarrier D-RoF modem using up to 1024-QAM modulation format. , 2015, , .		2
195	Site-Dependent Pumping Effect on Two-Level EDFAs. Journal of Lightwave Technology, 2015, 33, 285-292.	4.6	2
196	Compact ILP formulations for the routing and wavelength assignment problem in the design of optical transport networks with regenerators. EURO Journal on Computational Optimization, 2016, 4, 189-213.	2.4	2
197	Trends in Cloud Computing Paradigms: Fundamental Issues, Recent Advances, and Research Directions toward 6G Fog Networks. , 0, , .		2
198	Dynamic Bandwidth Allocation algorithms for NG-PON2 to support 5G Fronthaul services. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
199	The Nature of Peer-to-Peer Traffic. , 2010, , 1231-1252.		2
200	Optimization Framework for Supporting 40 Gb/s and 100 Gb/s Services over Heterogeneous Optical Transport Networks. Journal of Networks, 2012, 7, .	0.4	2
201	Impact of the carrier contribution factor in the self-coherent DC-value method. Optics Express, 2021, 29, 41234.	3.4	2
202	All-optical switching with SOA based devices. , 0, , .		1
203	An Electrically Adjustable Distributed Pulse Shaping Filter for 40-Gbit/s Optical Links. , 0, , .		1
204	A short theoretical study on the XMP frequency limitations in NOLM based wavelength converters. , 0, , .		1
205	In-FieldnÃ— 40 Gb/s Transmission Experiments with In-Line All-Optical Wavelength Conversion. Fiber and Integrated Optics, 2005, 24, 471-489.	2.5	1
206	Optical Multicasting Performance Evaluation using Multi-Wavelength Conversion by Four-Wave Mixing in DSF at 10/20/40 Gb/s. , 2006, , .		1
207	Spectrally efficient optical label insertion/extraction technique using an optical single sideband filter. IEEE Photonics Technology Letters, 2006, 18, 1463-1465.	2.5	1
208	Performance evaluation of the physical layer for 10 Gbit/s ethernet passive optical networks. , 2006, , .		1
209	Performance evaluation of wavelength contention minimization strategies for optical burst-switched networks. , 2006, , .		1
210	Spectrum equalization employing reshaping filter to improve ask signal quality in combined FSK/ASK modulation scheme. Microwave and Optical Technology Letters, 2006, 48, 2208-2210.	1.4	1
211	Recent Developments on Optical Single Sideband Transmission Systems. , 2006, , .		1
212	40 Gb/s All-Optical Vestigial-Sideband Generation using SOA. , 2006, , .		1
213	Preamble Encryption Mechanism for Enhanced Privacy in Ethernet Passive Optical Networks. Lecture Notes in Computer Science, 2006, , 404-414.	1.3	1
214	All - optical wavelength conversion and reshape based on a single Gain Clamped SOA. , 2006, , .		1
215	Analytical Modeling of the Cross-Phase Modulation-Induced Degradation in Mixed DPSK and ASK Transmission Systems. , 2007, , .		1
216	Modulation Formats for Upgrading MANs to 40 Gb/s per Channel. , 2007, , .		1

#	ARTICLE	IF	CITATIONS
217	Optical Channel Impairments Mitigation on 40 Gb/s Systems Resorting to Post-Detection Adjustable Electrical Compensation. , 2007, , .		1
218	Fault discovery protocol for passive optical networks. Journal of Optical Networking, 2007, 6, 701.	2.5	1
219	Near Pseudolinear Regime in 10-Gb/s Single Sideband-Alternate Mark Inversion Systems Using Electrical Dispersion Precompensation. IEEE Photonics Technology Letters, 2007, 19, 1127-1129.	2.5	1
220	Simulation of integrated optic devices based on BPM. Annales Des Telecommunications/Annals of Telecommunications, 2007, 62, 653-662.	2.5	1
221	All-optical RZ-DPSK packet compressor and decompressor based on MZI-quantum-dot-SOA. , 2008, , .		1
222	40 Gb/s all-optical RZ to NRZ format converter based on SOA and detuned filtering. , 2009, , .		1
223	Optimized node dimensioning in OBS networks using contention minimization in the wavelength domain. , 2009, , .		1
224	Optimized combination of wavelength converters and optical buffers for OBS networks using wavelength contention minimization. , 2009, , .		1
225	An all-optical grooming switch with regenerative capabilities. , 2009, , .		1
226	Optical Transport Network Design for Inverse-Multiplexed 100 Gb/s Ethernet Services with Minimum Capacity and Buffer Requirements. , 2009, , .		1
227	On using all-optical burst-mode power equalization in converged metro-access networks. , 2009, , .		1
228	External modulator linearization techniques for high performance radio over fiber transmission systems. , 2009, , .		1
229	40 Gb/s optical single-sideband transmission resorting to pseudolinear regime and electrical dispersion compensation. , 2009, , .		1
230	Multilayer Optimization of Inverse-Multiplexed 100 Gb/s Ethernet Services over Optical Transport Networks. , 2009, , .		1
231	Convergence of optical and millimeter-wave broadband wireless access networks. , 2009, , .		1
232	A New Architecture for Optical Burst Switching Networks Based on Cooperative Control. , 2009, , .		1
233	All-optical signal processing techniques with fiber based devices. , 2009, , .		1
234	Heuristic Strategies for Routing 100-GbE over OTN in Distributed Differential Delay Compensation Architectures. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
235	Simplified Framework for Optimal Support of 40Gb/s and 100Gb/s Services over OTN Exploiting Grooming and VCAT. , 2010, , .		1
236	Experimental Demonstration of a Nonlinear Effects Crosstalk Minimization Algorithm. , 2010, , .		1
237	Experimental evaluation of a polarization tracking algorithm for single-polarization M-(D)PSK signals using coherent detection. , 2012, , .		1
238	Generating near-optimal survivable topologies. , 2012, , .		1
239	Weighted Undepleted Pump Model for Broadband Counter-Pumped Raman Fiber Amplifiers. Journal of Optical Communications and Networking, 2012, 4, 595.	4.8	1
240	Algorithms in the deployment of Optical Transport Networks. , 2013, , .		1
241	Impact and compensation techniques of laser phase noise in ultra-dense coherent access networks. , 2013, , .		1
242	Total cost of ownership comparison between single and mixed line rate networks. , 2013, , .		1
243	The cost dependence between the grooming scheme, the node architecture and the traffic pattern in optical networks. , 2013, , .		1
244	Temperature and bias current behavior of uncooled light sources for application in Passive Optical Networks. , 2015, , .		1
245	Cost effective Hybrid Dynamic Radio Access supported by Radio over Fiber. , 2015, , .		1
246	A flexible physical layer and fronthaul research testbed for C-RAN. Microprocessors and Microsystems, 2017, 52, 480-490.	2.8	1
247	Millimeter-Wave Real-Time All-Digital Transmitter with Electro-Optical Upconversion. , 2018, , .		1
248	Rate Adaptability Using LUT-Based Distribution Matching for Probabilistic Constellation Shaping. IEEE Photonics Technology Letters, 2021, 33, 143-146.	2.5	1
249	Development and Experimental Validation of a 5G-NR Simulator Supporting Carrier Aggregation. , 2021, , .		1
250	Software-Defined Radio Enabled Cloud Radio Access Network Implementation Using OpenAirInterface. Wireless Personal Communications, 2021, 121, 1233-1253.	2.7	1
251	AI-Based Cooperative Optimization of Pre- and Post-Compensation Filters for Coherent Transceivers with Limited Bandwidth and ENOB. , 2021, , .		1
252	Towards Efficient Optical Burst-Switched Networks without All-Optical Wavelength Converters. , 2007, , 348-357.		1

#	ARTICLE	IF	CITATIONS
253	Overcoming WSS Filtering with Bandwidth-Variable Probabilistic Constellation Shaping. , 2021, , .		1
254	Maximizing the Performance of Digital Multi-Carrier Systems with Transmission-Aware Joint Carrier Phase Recovery. , 2021, , .		1
255	Design and characterization of a 20 Gbit/s clock recovery circuit. , 1995, , .		0
256	<title>Optical communication groups at University of Aveiro and Institute of Telecommunications--Aveiro pole</title>. , 1999, 3572, 568.		0
257	45 GHz distributed amplifier with on chip drain resistor termination. , 2003, , .		0
258	Detailed research of the performance of bidirectionally pumped Raman fiber amplifier. , 2005, 5636, 744.		0
259	The influence of pump wavelength on the performance of wavelength conversion of 10-Gb/s single-side-band optical signal based on four-wave mixing in dispersion-shifted fiber. Microwave and Optical Technology Letters, 2005, 46, 493-495.	1.4	0
260	Single fiber bragg grating degenerated into optical cavity resonators for clock recovery purposes. , 0, , .		0
261	Filter optimization for cross gain modulation bandwidth enhancement. , 2005, , .		0
262	Influence of SOA based devices on optical single sideband signals. , 0, , .		0
263	Bragg grating fabry-perot cavities at 10 GHz. , 0, , .		0
264	Optical Communications Research Activities at COM RD1 Siemens S.A.. Fiber and Integrated Optics, 2005, 24, 395-410.	2.5	0
265	Comparison of implementations using the phase shift technique to generate OSSB-NRZ and OSSB-RZ signals. , 0, , .		0
266	Cross-phase modulation bandwidth in ultrafast fiber wavelength converters. Optics Letters, 2006, 31, 3408.	3.3	0
267	Genetic algorithm demodulation technique for fibre Bragg gratings resonant cavity. Microwave and Optical Technology Letters, 2006, 48, 1415-1417.	1.4	0
268	Extended GATE/REPORT MPCP DUs for EPONs. , 2006, , .		0
269	Highly efficient fiber wavelength converter based on a passive PM-IM converter filter for high capacity systems. , 2006, , .		0
270	All-Optical Signal Processing Using Gain Clamped Semiconductor Optical Amplifiers. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
271	40 Gb/s CS-RZ to RZ format conversion using a MZI-SOA integrated switch. , 2007, , .		0
272	40 Gb/s Optical Single Sideband DWDM Transmission System using Polar Return-to-Zero Signalling Format. , 2007, , .		0
273	Modal analysis of organic-inorganic hybrid planar waveguides for integrated optics. , 2007, , .		0
274	GVD and PMD Compensation Using a Linear Adjustable Filter Prototype in a 40 Gb/s OSSB System. , 2007, , .		0
275	Overflow control mechanism (OCM) for Ethernet passive optical networks (EPONs). Journal of Optical Networking, 2007, 6, 490.	2.5	0
276	Adaptive Optoelectrical Filters for Improved Generation of Optical Single Sideband Signals With Different Pulse Shapes. Journal of Lightwave Technology, 2007, 25, 2175-2186.	4.6	0
277	Fault Discovery Protocol (FDP) for Passive Optical Networks (PONs). Proceedings - International Symposium on Computers and Communications, 2007, , .	0.0	0
278	Performance Study of a Time Slot Interchanger Based on a MZI-SOA in the Switch Configuration. , 2007, , .		0
279	Source Line Load Equalization Methods for the Source Aggregation Algorithm (SAA). Proceedings - International Symposium on Computers and Communications, 2007, , .	0.0	0
280	Use of return-to-zero formats in electrical dispersion compensated optical single sideband transmission systems. IET Optoelectronics, 2008, 2, 148-157.	3.3	0
281	Zombie Identification Port. , 2008, , .		0
282	Tunable passive compensating devices for high bit rate optical systems. , 2008, , .		0
283	Routing and buffer placement optimization in optical burst switched networks. , 2008, , .		0
284	Performance comparison of Optical Burst-Switched Networks with flexible burst scheduling at the ingress edge nodes. , 2008, , .		0
285	Performance assessment of optical burst switching networks based on a common control channel with distributed control. , 2009, , .		0
286	The design and evaluation of the Simple Self-Similar Sequences Generator. Information Sciences, 2009, 179, 4029-4045.	6.9	0
287	Radio-over-fiber as the enabler for joint processing of spatially separated radio signals. , 2009, , .		0
288	Application of Fabry-Perot Bragg Grating cavities to optical networks. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
289	All-optical processing, still a chance with DP-DQPSK. , 2009, , .		0
290	Novel photonic RF instantaneous frequency measurement system using a hibi fiber-based interferometer. , 2009, , .		0
291	Wavelength conversion of a 160 Gb/s RZ OTDM signal in a PPLN waveguide at room temperature. , 2009, , .		0
292	On triplexer design for next generation Ethernet passive optical network systems. International Journal of Communication Networks and Distributed Systems, 2009, 2, 214.	0.4	0
293	All-optical grooming for 100 Gbit/s ethernet. Proceedings of SPIE, 2010, , .	0.8	0
294	All-optical generation of 40Gb/s single sideband signals using a fiber Bragg grating. Optics Communications, 2010, 283, 2492-2495.	2.1	0
295	On supporting multiple radio channels over a SCM-Based distributed antenna system: A feasibility assessment. , 2010, , .		0
296	Dynamic alternative routing with local protection paths in MPLS networks. , 2010, , .		0
297	Low-cost optical components based on organic-inorganic hybrids produced using direct UV writing technique. , 2010, , .		0
298	Multi-stage optimization framework for transporting 100-GbE over OTN with distributed differential delay compensation. , 2011, , .		0
299	Photonic instantaneous RF frequency measurement system based on complementary modulation. , 2011, , .		0
300	Prospects of supporting distributed antenna systems over next-generation optical access and metro-access networks. , 2011, , .		0
301	Dual band signal generation for millimeter-wave RoF systems with subcarrier multiplexing. , 2011, , .		0
302	The European Galactico project: Coherent Terabit Ethernet systems using 4 &#x03BC;m rib waveguide silicon-on-insulator technology and GaAs electro-optic modulators. , 2011, , .		0
303	Photonic instantaneous RF frequency measurement system based on complementary modulation. , 2011, , .		0
304	Raman amplifier undepleted pump model customization to include pump-to-pump interactions. , 2011, , .		0
305	Cost evaluation in optical networks: Node architecture and energy consumption. , 2012, , .		0
306	Dynamics of SHB and SDP on 9XX EDFAs: Dependence on spectral allocation of input channels. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
307	Colourless ONU based on self seed signal RSOA in a WDM-PON. , 2014, , .		0
308	Challenges in Digital Data Backhaul networks for Square Kilometre Array radio telescope. , 2014, , .		0
309	Throughput assessment of TCP over distributed WiFi access networks supported by RoF. , 2016, , .		0
310	Optical radio convergence infrastructure for communications and power delivering (ORCIP). , 2016, , .		0
311	Fiber wireless-optical transceiver architectures for 60 GHz LANs. , 2017, , .		0
312	A worst case analysis of C-RAN fronthaul coverage length with Ethernet based technologies. , 2017, , .		0
313	Mitigation of Nonlinear Distortions in a mm Wave OFDM Photonic Link Employing Digital Signal Pre-Processing. , 2018, , .		0
314	Enhanced analysis of 10 <sup>4</sup> Gbit/s OFDM-RoF-NGPON. Journal of Optics (India), 2019, 48, 314-317.	1.7	0
315	Performance Improvement of VLC Systems Employing an Amplify-and-Forward Scheme. , 2019, , .		0
316	Optically Generated Millimeter Wave Reflectometry Signals: Approach Followed in the RETIOT Project. , 2019, , .		0
317	On the use of Amplification in Visible Light Communication Systems. , 2019, , .		0
318	On the Suitability of VLC Enabled Fronthaul for Future Mobile Network. , 2021, , .		0
319	Artificial Neural Network Symbol Estimator With Enhanced Robustness to Nonlinear Phase Noise. IEEE Photonics Technology Letters, 2021, 33, 1341-1344.	2.5	0
320	Issues on Performance Assessment of Optical Burst Switched Networks: Burst Loss Versus Packet Loss Metrics. Lecture Notes in Computer Science, 2006, , 778-786.	1.3	0
321	Enhanced Differential Delay Compensation in OTN with Dedicated and Shared Buffering Architectures. , 2011, , .		0
322	Routable OTDM to WDM Converter enabled by a Programmable Optical Processor. , 2011, , .		0
323	CaracterizaçŁo em Temperatura de Dispositivos Emissores para Emprego em ONUs. , 2016, , .		0
324	Emprego de tĂ©cnica FDMA-SCM em Redes Ă“pticas Passivas com o uso de RSOAs. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
325	Experimental Transmission of LTE Signal Using Visible Light Communications. , 2019, , .		0
326	DML-Based Fiber-Wireless Transmission of a 12Å—400MHz mmWave Signal Enhanced by Bit and Power Loading. , 2021, , .		0
327	5G-NR based Joint RADAR and Communication System Using Low-Cost Photonic Fronthaul. , 2021, , .		0
328	Joint Optical Wireless Communication and Localization Using OFDM. IEEE Photonics Technology Letters, 2022, 34, 757-760.	2.5	0