

# Armando N Pinto

## List of Publications by Year in descending order

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211  
papers

1,664  
citations

393982

19  
h-index

414034

32  
g-index

213  
all docs

213  
docs citations

213  
times ranked

987  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitigation of intra-channel nonlinearities using a frequency-domain Volterra series equalizer. Optics Express, 2012, 20, 1360.	1.7	89
2	Chromatic dispersion fluctuations in optical fibers due to temperature and its effects in high-speed optical communication systems. Optics Communications, 2005, 246, 303-311.	1.0	85
3	Simplified Volterra Series Nonlinear Equalizer for Polarization-Multiplexed Coherent Optical Systems. Journal of Lightwave Technology, 2013, 31, 3879-3891.	2.7	74
4	Generating Realistic Optical Transport Network Topologies. Journal of Optical Communications and Networking, 2010, 2, 80.	3.3	52
5	Digital Postcompensation Using Volterra Series Transfer Function. IEEE Photonics Technology Letters, 2011, 23, 1412-1414.	1.3	50
6	Adaptive 3-D Stokes Space-Based Polarization Demultiplexing Algorithm. Journal of Lightwave Technology, 2014, 32, 3290-3298.	2.7	50
7	Digital PDL Compensation in 3D Stokes Space. Journal of Lightwave Technology, 2013, 31, 2122-2130.	2.7	41
8	Genetic Algorithm for the Topological Design of Survivable Optical Transport Networks. Journal of Optical Communications and Networking, 2011, 3, 17.	3.3	40
9	Fully Blind Linear and Nonlinear Equalization for 100G PM-64QAM Optical Systems. Journal of Lightwave Technology, 2015, 33, 1265-1274.	2.7	32
10	Statistical Model for Link Lengths in Optical Transport Networks. Journal of Optical Communications and Networking, 2013, 5, 762.	3.3	31
11	Broadband polarization pulling using Raman amplification. Optics Express, 2011, 19, 18707.	1.7	30
12	Extended Kalman Filter vs. Geometrical Approach for Stokes Space-Based Polarization Demultiplexing. Journal of Lightwave Technology, 2015, 33, 4826-4833.	2.7	30
13	Effect of soliton interaction on timing jitter in communication systems. Journal of Lightwave Technology, 1998, 16, 515-519.	2.7	29
14	Coherent ultra dense wavelength division multiplexing passive optical networks. Optical Fiber Technology, 2015, 26, 100-107.	1.4	28
15	Time-Domain Volterra-Based Digital Backpropagation for Coherent Optical Systems. Journal of Lightwave Technology, 2015, 33, 3170-3181.	2.7	26
16	QBER Estimation in QKD Systems With Polarization Encoding. Journal of Lightwave Technology, 2011, 29, 355-361.	2.7	25
17	Low Complexity Advanced DBP Algorithms for Ultra-Long-Haul 400 G Transmission Systems. Journal of Lightwave Technology, 2016, 34, 1793-1799.	2.7	25
18	Influence of the Stimulated Raman Scattering on the Four-Wave Mixing Process in Birefringent Fibers. Journal of Lightwave Technology, 2009, 27, 4979-4988.	2.7	24

#	ARTICLE	IF	CITATIONS
19	Experimental demonstration of a frequency-domain Volterra series nonlinear equalizer in polarization-multiplexed transmission. <i>Optics Express</i> , 2013, 21, 276.	1.7	20
20	Uniform Polarization Scattering With Fiber-Coil-Based Polarization Controllers. <i>Journal of Lightwave Technology</i> , 2006, 24, 3932-3943.	2.7	19
21	Effective Nonlinear Parameter Measurement Using FWM in Optical Fibers in a Low Power Regime. <i>IEEE Journal of Quantum Electronics</i> , 2010, 46, 285-291.	1.0	19
22	Experimental Assessment of the Adaptive Stokes Space-Based Polarization Demultiplexing for Optical Metro and Access Networks. <i>Journal of Lightwave Technology</i> , 2015, 33, 4968-4974.	2.7	19
23	Multicarrier Digital Backpropagation for 400G Optical Superchannels. <i>Journal of Lightwave Technology</i> , 2016, 34, 1896-1907.	2.7	19
24	Statistical Analysis and Modeling of Shortest Path Lengths in Optical Transport Networks. <i>Journal of Lightwave Technology</i> , 2015, 33, 2791-2801.	2.7	18
25	40-Gb/s systems on G.652 fibers: comparison between periodic and all-at-the-end dispersion compensation. <i>Journal of Lightwave Technology</i> , 2002, 20, 1673-1679.	2.7	17
26	Tunable Mode Conversion Using Acoustic Waves in Optical Microwires. <i>Journal of Lightwave Technology</i> , 2014, 32, 3257-3265.	2.7	17
27	Noise and measurement errors in a practical two-state quantum bit commitment protocol. <i>Physical Review A</i> , 2014, 89, .	1.0	17
28	Switching in multicore fibers using flexural acoustic waves. <i>Optics Express</i> , 2015, 23, 26313.	1.7	17
29	Towards Enhanced Mobile Broadband Communications: A Tutorial on Enabling Technologies, Design Considerations, and Prospects of 5G and beyond Fixed Wireless Access Networks. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10427.	1.3	17
30	Polarization Mode Dispersion in High-Speed Optical Communication Systems. <i>Fiber and Integrated Optics</i> , 2005, 24, 261-285.	1.7	15
31	Low-cost Raman amplifier for CWDM systems. <i>Microwave and Optical Technology Letters</i> , 2008, 50, 297-301.	0.9	15
32	Impact of Node Architecture in the Power Consumption and Footprint Requirements of Optical Transport Networks. <i>Journal of Optical Communications and Networking</i> , 2013, 5, 421.	3.3	15
33	Demonstration of Nyquist UDWDM-PON with Digital Signal Processing in Real-Time. , 2015, , .		15
34	Optical Signal Phase Retrieval With Low Complexity DC-Value Method. <i>Journal of Lightwave Technology</i> , 2020, 38, 4205-4212.	2.7	15
35	Secret key rate of multi-ring M-APSK continuous variable quantum key distribution. <i>Optics Express</i> , 2021, 29, 38669.	1.7	14
36	Nonlinear compensation with DBP aided by a memory polynomial. <i>Optics Express</i> , 2016, 24, 30309.	1.7	13

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37	Distributive FIR-Based Chromatic Dispersion Equalization for Coherent Receivers. Journal of Lightwave Technology, 2016, 34, 5023-5032.	2.7	13
38	Impact of imperfect homodyne detection on measurements of vacuum states shot noise. Optical and Quantum Electronics, 2020, 52, 1.	1.5	13
39	Non-Gaussian ASE Noise in Raman Amplification Systems. Journal of Lightwave Technology, 2009, 27, 3389-3398.	2.7	12
40	Role of Absorption on the Generation of Quantum-Correlated Photon Pairs Through FWM. IEEE Journal of Quantum Electronics, 2012, 48, 1380-1388.	1.0	12
41	Using quantum technologies to improve fiber optic communication systems. , 2013, 51, 42-48.		12
42	Real-Time Bidirectional Coherent Nyquist UDWDM-PON Coexisting With Multiple Deployed Systems in Field-Trial. Journal of Lightwave Technology, 2016, 34, 1643-1650.	2.7	12
43	Coherent Nyquist UDWDM-PON With Digital Signal Processing in Real Time. Journal of Lightwave Technology, 2016, 34, 826-833.	2.7	11
44	Space-demultiplexing based on higher-order Poincaré spheres. Optics Express, 2017, 25, 3899.	1.7	11
45	Adaptive Stokes-Based Polarization Demultiplexing for Long-Haul Multi-Subcarrier Systems. IEEE Photonics Technology Letters, 2019, 31, 759-762.	1.3	11
46	A Review of Self-Coherent Optical Transceivers: Fundamental Issues, Recent Advances, and Research Directions. Applied Sciences (Switzerland), 2021, 11, 7554.	1.3	11
47	Reversal operator to compensate polarization random drifts in quantum communications. Optics Express, 2020, 28, 5035.	1.7	11
48	Interference in a Quantum Channel Due to Classical Four-Wave Mixing in Optical Fibers. IEEE Journal of Quantum Electronics, 2012, 48, 472-479.	1.0	10
49	Effects of Losses and Nonlinearities on the Generation of Polarization Entangled Photons. Journal of Lightwave Technology, 2013, 31, 1309-1317.	2.7	10
50	Benefits of Node Architecture Flexibility and Hitless Re-Grooming in Transport Networks. Journal of Lightwave Technology, 2015, 33, 4424-4436.	2.7	10
51	Continuous Control of Random Polarization Rotations for Quantum Communications. Journal of Lightwave Technology, 2016, , 1-1.	2.7	10
52	Implementation of a two-state quantum bit commitment protocol in optical fibers. Journal of Optics (United Kingdom), 2016, 18, 015202.	1.0	10
53	Generation and Distribution of Quantum Oblivious Keys for Secure Multiparty Computation. Applied Sciences (Switzerland), 2020, 10, 4080.	1.3	10
54	Optical versus electrical dispersion compensation: role of timing jitter. Journal of Lightwave Technology, 2006, 24, 387-395.	2.7	9

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55	Nonlinear Interaction Between Signal and Noise in Optical Fibers. Journal of Lightwave Technology, 2008, 26, 1847-1853.	2.7	9
56	Estimating the parameters of optical transport networks from their circumferential ellipses. , 2014, , .		9
57	Optimized Carrier Frequency and Phase Recovery Based on Blind &math inline-formula; &math notation="LaTeX"&gt;\$M\$ &math &math inline-formula;th Power Schemes. IEEE Photonics Technology Letters, 2016, 28, 2439-2442.	1.3	9
58	Low-Complexity Time-Domain DBP Based on Random Step-Size and Partitioned Quantization. Journal of Lightwave Technology, 2018, 36, 2888-2895.	2.7	9
59	Energy efficiency assessment of a public building resourcing a BIM model. Innovative Infrastructure Solutions, 2020, 5, 1.	1.1	9
60	Impact of receiver imbalances on the security of continuous variables quantum key distribution. EPJ Quantum Technology, 2021, 8, .	2.9	9
61	A statistical model for CapEx fast calculation in optical transport networks. , 2009, , .		8
62	Evolution of first-order sidebands from multiple FWM processes in HiBi optical fibers. Optics Communications, 2011, 284, 3408-3415.	1.0	8
63	Estimation of Link-Dependent Parameters in Optical Transport Networks From Statistical Models. Journal of Optical Communications and Networking, 2014, 6, 601.	3.3	8
64	Experimental Demonstration of Selective Core Coupling in Multicore Fibers of a 200 Gb/s DP-16QAM Signal. , 2016, , .		8
65	Transmission Fiber Chromatic Dispersion Dependence on Temperature: Implications on 40 Gb/s Performance. ETRI Journal, 2006, 28, 257-259.	1.2	7
66	Four-wave mixing: Photon statistics and the impact on a co-propagating quantum signal. Optics Communications, 2012, 285, 2956-2960.	1.0	7
67	PMD tolerance in Stokes space based polarization de-multiplexing algorithms. Optical and Quantum Electronics, 2017, 49, 1.	1.5	7
68	Stokes Space Based Digital PolDemux for Polarization Switched-QPSK Signals. , 2013, , .		7
69	Acousto-Optic Tunable Mode Coupler. , 2012, , .		7
70	CAPEX model for PON technology using single and cascaded splitter schemes. , 2011, , .		6
71	Impact of TWDM on optional real-time QPSK WDM channels. , 2014, , .		6
72	Field-trial of a real-time bidirectional UDWDM-PON coexisting with GPON, RF video overlay and NG-PON2 systems. , 2015, , .		6

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73	Experimental demonstration of the parallel split-step method in ultra-long-haul 400G transmission. , 2015, , .		6
74	Simplified high-order Volterra series transfer function for optical transmission links. Optics Express, 2017, 25, 2446.	1.7	6
75	Quantum and classical oblivious transfer: A comparative analysis. IET Quantum Communication, 2021, 2, 42-53.	2.2	6
76	Adaptive Stokes Space Based Polarization Demultiplexing for Flexible UDWDM Metro-Access Networks. , 2017, , .		6
77	Single-Photon Source by Means of Four-Wave Mixing Inside a Dispersion-Shifted Optical Fiber. , 2006, , .		6
78	Characterization of a Quantum Random Number Generator Based on Vacuum Fluctuations. Applied Sciences (Switzerland), 2021, 11, 7413.	1.3	6
79	Full polarization random drift compensation method for quantum communication. Optics Express, 2022, 30, 6907.	1.7	6
80	Quantum Oblivious Transfer: A Short Review. Entropy, 2022, 24, 945.	1.1	6
81	Assessment and mitigation of Erbium-doped fibre amplifiers (EDFA) gain transients in hybrid wavelength division multiplexing/time division multiplexing passive optical network (WDM/TDM PON) in the presence of packet-based traffic. IET Optoelectronics, 2010, 4, 219-225.	1.8	5
82	Halting the fuse discharge propagation using optical fiber microwires. Optics Express, 2012, 20, 21083.	1.7	5
83	Comprehensive characterization of a heralded single photon source based on four-wave mixing in optical fibers. Optics Communications, 2014, 327, 31-38.	1.0	5
84	Planning and dimensioning of multilayer optical transport networks. , 2015, , .		5
85	Parallel Split-Step Method for Digital Backpropagation. , 2015, , .		5
86	Techno-Economic Analysis of Fixed and Flexible Node Architectures in Multiperiod Scenarios [Invited]. Journal of Optical Communications and Networking, 2015, 7, B109.	3.3	5
87	Nonlinear Mitigation of a 400G Frequency-Hybrid Superchannel for the 62.5-GHz Slot. Journal of Lightwave Technology, 2017, 35, 3963-3973.	2.7	5
88	Self-coherent optical detection for access and metro networks. , 2019, , .		5
89	Efficient Time-Domain DBP using Random Step-Size and Multi-Band Quantization. , 2018, , .		5
90	FPGA-assisted state-of-polarisation generation for polarisation-encoded optical communications. IET Optoelectronics, 2020, 14, 350-355.	1.8	5

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91	Hardware optimization of dual-stage carrier-phase recovery for coherent optical receivers. OSA Continuum, 2021, 4, 3157.	1.8	5
92	Polarization based discrete variables quantum key distribution via conjugated homodyne detection. Scientific Reports, 2022, 12, 6135.	1.6	5
93	Dimensioning of Optical Networks with Incomplete Information. , 2008, , .		4
94	Quantifying the Restoration Capacity in Optical Mesh Networks. , 2009, , .		4
95	Evolution of the degree of co-polarization in high-birefringence fibers. Optics Communications, 2010, 283, 2125-2132.	1.0	4
96	Single-photon source using stimulated FWM in optical fibers for quantum communication. Proceedings of SPIE, 2011, , .	0.8	4
97	Optical quantum communications: an experimental approach. Proceedings of SPIE, 2011, , .	0.8	4
98	Free space optics hybrid PTMP advanced modulation bidirectional PON. , 2014, , .		4
99	Transmission of PM-64QAM over 1524 km of PSCF using fully-blind equalization and Volterra-based nonlinear mitigation. , 2014, , .		4
100	Impact of Grooming Architecture of Transport Nodes in Line Interface Count for Multi-Period Planning. , 2015, , .		4
101	Ultra-long-haul 400G superchannel transmission with multi-carrier nonlinear equalization. , 2015, , .		4
102	Virtual Carrier Assisted Self-Coherent Detection Employing DC-Value Method. , 2021, , .		4
103	A polarization diversity CV-QKD detection scheme for channels with strong polarization drift. , 2021, , .		4
104	Extraction of laser parameters for simulation purposes. , 0, , .		3
105	Path selection strategy for consumer grid over OBS networks. , 2008, , .		3
106	Polarization-entangled photon pairs using spontaneous four-wave mixing in a fiber loop. , 2011, , .		3
107	A brief review on quantum bit commitment. Proceedings of SPIE, 2014, , .	0.8	3
108	Calculation of the number of bits required for the estimation of the bit error ratio. , 2014, , .		3

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109	On the impact of client to line port blocking in the line interface count and footprint of transport networks. , 2014, , .		3
110	Performance and Complexity of Digital Clock Recovery for Nyquist UDWDM-PON in Real Time. IEEE Photonics Technology Letters, 2015, 27, 2230-2233.	1.3	3
111	Nonlinear Effects of Radio over Fiber Transmission in Base Station Cooperation Systems. , 2017, , .		3
112	Quantum communications: An engineering approach. , 2017, , .		3
113	Towards a Sustainable Green Design for Next-Generation Networks. Wireless Personal Communications, 2021, 121, 1123-1138.	1.8	3
114	6G CloudNet: Towards a Distributed, Autonomous, and Federated AI-Enabled Cloud and Edge Computing. Computer Communications and Networks, 2021, , 251-283.	0.8	3
115	Hardware Optimization for Carrier Recovery based on Mth Power Schemes. , 2016, , .		3
116	High-performance blockchain system for fast certification of manufacturing data. SN Applied Sciences, 2022, 4, 1.	1.5	3
117	Private Computation of Phylogenetic Trees Based on Quantum Technologies. IEEE Access, 2022, 10, 38065-38088.	2.6	3
118	Strictly Non-Blocking All-Optical-Cross-Connect Demonstrator for WDM Wavelength Path Networks. Photonic Network Communications, 2002, 4, 63-72.	1.4	2
119	Optical Communications Research at Institute of Telecommunications. Fiber and Integrated Optics, 2005, 24, 411-428.	1.7	2
120	Noise-Induced Spectral Shifts in Pseudo-Linear Fiber-Optic Communication Systems. , 2007, , .		2
121	Attenuation fitting functions. Microwave and Optical Technology Letters, 2009, 51, 2294-2296.	0.9	2
122	Transient Response and Control of Pump-Reflecting Raman Fiber Amplifiers. Fiber and Integrated Optics, 2009, 29, 44-61.	1.7	2
123	CAPEX Model for PON Technology. , 2010, , .		2
124	Dimensioning optical networks: A practical approach. , 2010, , .		2
125	Optimization of polarization control schemes for QKD systems. , 2011, , .		2
126	Cost evaluation in optical networks. , 2011, , .		2



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127	Photon pair states and violation of CHSH inequality. Microwave and Optical Technology Letters, 2012, 54, 2454-2461.	0.9	2
128	Theoretical Analysis of Multimodal Four-Wave Mixing in Optical Microwires. Journal of Lightwave Technology, 2013, 31, 195-202.	2.7	2
129	Continuous wave supercontinuum generation pumped in the normal group velocity dispersion regime on a highly nonlinear fiber. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 959.	0.9	2
130	Site-Dependent Pumping Effect on Two-Level EDFAs. Journal of Lightwave Technology, 2015, 33, 285-292.	2.7	2
131	Role of amplifiers gain on the achievable information rate of M-ary PSK and QAM constellations. Optics Communications, 2017, 383, 215-222.	1.0	2
132	Generation and Distribution of Oblivious Keys through Quantum Communications. , 2018, , .		2
133	Reduced-complexity algorithm for space-demultiplexing based on higher-order Poincaré spheres. Optics Express, 2018, 26, 13506.	1.7	2
134	Role of Device Imperfections on the Practical Performance of Continuous-Variable Quantum Key Distribution Systems. , 2019, , .		2
135	The Impact of Fiber Random Birefringence in Polarization-Encoded Quantum Communications. , 2019, , .		2
136	Quantum Secure Multiparty Computation of Phylogenetic Trees of SARS-CoV-2 Genome. , 2021, , .		2
137	Secret key extraction in direct reconciliation CV-QKD systems. , 2021, , .		2
138	Digital monitoring and compensation of MDL based on higher-order Poincaré spheres. Optics Express, 2019, 27, 19996.	1.7	2
139	Impact of the carrier contribution factor in the self-coherent DC-value method. Optics Express, 2021, 29, 41234.	1.7	2
140	Low-cost L-band Raman amplifier for CWDM systems. , 2008, , .		1
141	Design of a tunable single photon interferometer based on modal engineered tapered optical fibers. , 2010, , .		1
142	Estimating the energy consumption in survivable optical transport networks. , 2011, , .		1
143	Statistical characterization of a single-photon source based on stimulated FWM in optical fibers. , 2011, , .		1
144	Generating near-optimal survivable topologies. , 2012, , .		1

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145	Flexible optical receivers. , 2012, , .		1
146	Experimental Demonstration of a Frequency-Domain Volterra Series Nonlinear Equalizer in Polarization-Multiplexed Transmission. , 2012, , .		1
147	Weighted Undepleted Pump Model for Broadband Counter-Pumped Raman Fiber Amplifiers. Journal of Optical Communications and Networking, 2012, 4, 595.	3.3	1
148	Wavelength-shift-free Mamyshev regenerator. Proceedings of SPIE, 2013, , .	0.8	1
149	Enabling quantum communications through accurate photons polarization control. , 2013, , .		1
150	Extremely small-core photonic crystal fiber fusion splicing with a single-mode fiber. Proceedings of SPIE, 2013, , .	0.8	1
151	Total cost of ownership comparison between single and mixed line rate networks. , 2013, , .		1
152	The cost dependence between the grooming scheme, the node architecture and the traffic pattern in optical networks. , 2013, , .		1
153	Digital equalization of optical nonlinearities in very high-speed optical communication systems. , 2014, , .		1
154	A different way to verify the violation of the $WW \gg B$ inequality. European Physical Journal D, 2014, 68, 1.	0.6	1
155	Clock and carrier recovery in high-speed coherent optical communication systems. , 2014, , .		1
156	Polarization Effects on the Non-Linearity of a Highly Non-Linear Fiber. Fiber and Integrated Optics, 2015, 34, 3-13.	1.7	1
157	EIT in hollow-core fibers for optical communications devices. Microwave and Optical Technology Letters, 2015, 57, 348-352.	0.9	1
158	Real-time digital signal processing for coherent optical systems. , 2015, , .		1
159	Using the Stokes space for equalization of polarization impairments in digital coherent optical receivers. , 2016, , .		1
160	Real-time demonstration of low-complexity time-domain chromatic dispersion equalization. , 2017, , .		1
161	Optimizing the placement of spare amplifier cards to increase the achievable information rate resilience. Optical Fiber Technology, 2018, 45, 40-46.	1.4	1
162	Practical Imperfections Affecting the Performance of CV-QKD Based on Coherent Detection. , 2020, , .		1

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163	Quantum Enabled Private Recognition of Composite Signals in Genome and Proteins. , 2020, , .		1
164	Quantum Communications. Fiber and Integrated Optics, 0, , 1-2.	1.7	1
165	Homodyne Noise Characterization in Quantum Random Number Generators. , 2021, , .		1
166	Analysis of Transmission Impairments on Terabit Aggregate PONs. , 2013, , .		1
167	Development of a 10-Gbit/s optical soliton source. , 2001, , .		0
168	Chromatic Dispersion in Ge-Doped SiO <sub>2</sub> -Based Single Mode Fibres due to Temperature Dependence of the Ultraviolet Absorption: Numerical and Experimental Results. Materials Science Forum, 2006, 514-516, 369-376.	0.3	0
169	Polarization Scattering Property of Cascaded Polarization Controllers. ETRI Journal, 2007, 29, 838-840.	1.2	0
170	Impact of the mean nodal degree on optical networks. , 2008, , .		0
171	Non-white noise generation method for ASE noise simulation in systems with Raman amplification. , 2009, , .		0
172	Evaluation of the effect of channel add/drop impact on power transients on the performance of a 10â€CB/S DWDM transmission system with hybrid EDFA/Raman amplification. Microwave and Optical Technology Letters, 2010, 52, 1225-1228.	0.9	0
173	Generalized analysis of the polarization evolution in high-birefringence fibers. , 2010, , .		0
174	Raman amplifier undepleted pump model customization to include pump-to-pump interactions. , 2011, , .		0
175	Cost evaluation in optical networks: Node architecture and energy consumption. , 2012, , .		0
176	Impact of FWM process on the statistics of a co-propagating quantum signal in a WDM lightwave system. , 2012, , .		0
177	Polarization-dependent gain in Raman amplification based all-optical polarization control schemes. , 2012, , .		0
178	Receiver-side digital signal processing for 100-GE coherent optical transmission systems. , 2012, , .		0
179	Experimental characterization of the photon statistics of four-wave mixing photon source. , 2012, , .		0
180	Engineering quantum communication systems. Proceedings of SPIE, 2012, , .	0.8	0

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181	Continuous wave supercontinuum generation aided by a weaker pulse laser. , 2012, , .		0
182	Equalization of fiber impairments using high-speed digital signal processing. , 2013, , .		0
183	Experimental characterization of a highly nonlinear fiber. Proceedings of SPIE, 2013, , .	0.8	0
184	Characterization of a fiber based heralded single photon source at telecom wavelength. , 2013, , .		0
185	Nonlinear polarizers in low-birefringence optical fibers. Proceedings of SPIE, 2013, , .	0.8	0
186	Pump and filtering optimization in Mamyshev regenerator. , 2013, , .		0
187	Dynamics of SHB and SDP on 9XX EDFAs: Dependence on spectral allocation of input channels. , 2013, , .		0
188	Using single photons to improve fiber optic communication systems. Proceedings of SPIE, 2014, , .	0.8	0
189	Mode conversion based on the acousto-optic effect for mode division multiplexed transmission. , 2014, , .		0
190	Reducing the complexity of digital nonlinear compensation for high-speed coherent optical communication systems. , 2014, , .		0
191	Dynamic method for Stokes space based polarization demultiplexing of advanced modulation formats. , 2014, , .		0
192	Photon-pair generation in lossy waveguides. Proceedings of SPIE, 2014, , .	0.8	0
193	Experimental setup for electromagnetically induced transparency observation in hollow-core fibers. , 2014, , .		0
194	Assessment of nonlinear equalization algorithms for coherent optical transmission systems using an FPGA. , 2015, , .		0
195	Verification of the Violation of WWZB Inequality Using Werner States. Journal of Physics: Conference Series, 2015, 605, 012036.	0.3	0
196	Optimizing polarization related dynamic equalization in coherent optical communications. , 2015, , .		0
197	On the probability distribution of the capacity allocation in optical transport networks. , 2015, , .		0
198	Four-Wave Mixing in Microwires to All-Optical Signal Processing in Mode-Division Multiplexing Systems. Fiber and Integrated Optics, 2015, 34, 38-52.	1.7	0

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199	Heralded single-photon source from spontaneous four-wave mixing process in lossy waveguides. Proceedings of SPIE, 2015, , .	0.8	0
200	Multi-carrier high-speed optical communication systems supported by digital signal processing. , 2016, , .		0
201	Flexible and hybrid bidirectional optical metro networking using adaptive stokes space polarization demultiplexing. , 2016, , .		0
202	Advanced digital signal processing techniques based on Stokes space analysis for high-capacity coherent optical systems. , 2017, , .		0
203	Coherent UDWDM Transceivers Based on Adaptive Stokes Space Polarization Demultiplexing in Real-Time. , 2017, , .		0
204	Optical and Digital Key Enabling Techniques for SDM-Based Optical Networks. , 2018, , .		0
205	DSP optimization for simplified coherent receivers. , 2020, , .		0
206	Algorithm for State-of-Polarization Generation in Polarization-Encoding Quantum Key Distribution. , 2021, , .		0
207	Volterra-based Digital Backpropagation: Performance and Complexity Assessment. , 2015, , .		0
208	MIMO processing based on higher-order Poincaré spheres. , 2017, , .		0
209	Fast Polarization Basis Alignment For Quantum Communications. , 2019, , .		0
210	Deterministic State-of-Polarization Generation for Polarization-Encoded Optical Communications. , 2019, , .		0
211	Topological Design Using Genetic Algorithms. , 0, , 153-173.		0