

# Armando N Pinto

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8187149/publications.pdf>

Version: 2024-02-01

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	Full polarization random drift compensation method for quantum communication. Optics Express, 2022, 30, 6907.	1.7	6
2	High-performance blockchain system for fast certification of manufacturing data. SN Applied Sciences, 2022, 4, 1.	1.5	3
3	Private Computation of Phylogenetic Trees Based on Quantum Technologies. IEEE Access, 2022, 10, 38065-38088.	2.6	3
4	Polarization based discrete variables quantum key distribution via conjugated homodyne detection. Scientific Reports, 2022, 12, 6135.	1.6	5
5	Quantum Oblivious Transfer: A Short Review. Entropy, 2022, 24, 945.	1.1	6
6	Homodyne Noise Characterization in Quantum Random Number Generators. , 2021, , .		1
7	Quantum Secure Multiparty Computation of Phylogenetic Trees of SARS-CoV-2 Genome. , 2021, , .		2
8	Secret key extraction in direct reconciliation CV-QKD systems. , 2021, , .		2
9	Algorithm for State-of-Polarization Generation in Polarization-Encoding Quantum Key Distribution. , 2021, , .		0
10	Quantum and classical oblivious transfer: A comparative analysis. IET Quantum Communication, 2021, 2, 42-53.	2.2	6
11	A Review of Self-Coherent Optical Transceivers: Fundamental Issues, Recent Advances, and Research Directions. Applied Sciences (Switzerland), 2021, 11, 7554.	1.3	11
12	Towards a Sustainable Green Design for Next-Generation Networks. Wireless Personal Communications, 2021, 121, 1123-1138.	1.8	3
13	6G CloudNet: Towards a Distributed, Autonomous, and Federated AI-Enabled Cloud and Edge Computing. Computer Communications and Networks, 2021, , 251-283.	0.8	3
14	Impact of receiver imbalances on the security of continuous variables quantum key distribution. EPJ Quantum Technology, 2021, 8, .	2.9	9
15	Secret key rate of multi-ring M-APSK continuous variable quantum key distribution. Optics Express, 2021, 29, 38669.	1.7	14
16	Virtual Carrier Assisted Self-Coherent Detection Employing DC-Value Method. , 2021, , .		4
17	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.	1.3	17
18	Impact of the carrier contribution factor in the self-coherent DC-value method. Optics Express, 2021, 29, 41234.	1.7	2

#	ARTICLE	IF	CITATIONS
19	Hardware optimization of dual-stage carrier-phase recovery for coherent optical receivers. OSA Continuum, 2021, 4, 3157.	1.8	5
20	Characterization of a Quantum Random Number Generator Based on Vacuum Fluctuations. Applied Sciences (Switzerland), 2021, 11, 7413.	1.3	6
21	A polarization diversity CV-QKD detection scheme for channels with strong polarization drift. , 2021, , .		4
22	Practical Imperfections Affecting the Performance of CV-QKD Based on Coherent Detection. , 2020, , .		1
23	Impact of imperfect homodyne detection on measurements of vacuum states shot noise. Optical and Quantum Electronics, 2020, 52, 1.	1.5	13
24	DSP optimization for simplified coherent receivers. , 2020, , .		0
25	Quantum Enabled Private Recognition of Composite Signals in Genome and Proteins. , 2020, , .		1
26	Generation and Distribution of Quantum Oblivious Keys for Secure Multiparty Computation. Applied Sciences (Switzerland), 2020, 10, 4080.	1.3	10
27	Energy efficiency assessment of a public building resourcing a BIM model. Innovative Infrastructure Solutions, 2020, 5, 1.	1.1	9
28	Optical Signal Phase Retrieval With Low Complexity DC-Value Method. Journal of Lightwave Technology, 2020, 38, 4205-4212.	2.7	15
29	Reversal operator to compensate polarization random drifts in quantum communications. Optics Express, 2020, 28, 5035.	1.7	11
30	FPGA-assisted state-of-polarisation generation for polarisation-encoded optical communications. IET Optoelectronics, 2020, 14, 350-355.	1.8	5
31	Role of Device Imperfections on the Practical Performance of Continuous-Variable Quantum Key Distribution Systems. , 2019, , .		2
32	Adaptive Stokes-Based Polarization Demultiplexing for Long-Haul Multi-Subcarrier Systems. IEEE Photonics Technology Letters, 2019, 31, 759-762.	1.3	11
33	The Impact of Fiber Random Birefringence in Polarization-Encoded Quantum Communications. , 2019, , .		2
34	Self-coherent optical detection for access and metro networks. , 2019, , .		5
35	Fast Polarization Basis Alignment For Quantum Communications. , 2019, , .		0
36	Digital monitoring and compensation of MDL based on higher-order Poincaré spheres. Optics Express, 2019, 27, 19996.	1.7	2

#	ARTICLE	IF	CITATIONS
37	Deterministic State-of-Polarization Generation for Polarization-Encoded Optical Communications. , 2019, , .		0
38	Low-Complexity Time-Domain DBP Based on Random Step-Size and Partitioned Quantization. Journal of Lightwave Technology, 2018, 36, 2888-2895.	2.7	9
39	Optical and Digital Key Enabling Techniques for SDM-Based Optical Networks. , 2018, , .		0
40	Generation and Distribution of Oblivious Keys through Quantum Communications. , 2018, , .		2
41	Reduced-complexity algorithm for space-demultiplexing based on higher-order Poincaré spheres. Optics Express, 2018, 26, 13506.	1.7	2
42	Optimizing the placement of spare amplifier cards to increase the achievable information rate resilience. Optical Fiber Technology, 2018, 45, 40-46.	1.4	1
43	Efficient Time-Domain DBP using Random Step-Size and Multi-Band Quantization. , 2018, , .		5
44	PMD tolerance in Stokes space based polarization de-multiplexing algorithms. Optical and Quantum Electronics, 2017, 49, 1.	1.5	7
45	Advanced digital signal processing techniques based on Stokes space analysis for high-capacity coherent optical systems. , 2017, , .		0
46	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
47	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
48	Nonlinear Effects of Radio over Fiber Transmission in Base Station Cooperation Systems. , 2017, , .		3
49	Quantum communications: An engineering approach. , 2017, , .		3
50	Coherent UDWDM Transceivers Based on Adaptive Stokes Space Polarization Demultiplexing in Real-Time. , 2017, , .		0
51	Real-time demonstration of low-complexity time-domain chromatic dispersion equalization. , 2017, , .		1
52	Simplified high-order Volterra series transfer function for optical transmission links. Optics Express, 2017, 25, 2446.	1.7	6
53	Space-demultiplexing based on higher-order Poincaré spheres. Optics Express, 2017, 25, 3899.	1.7	11
54	Adaptive Stokes Space Based Polarization Demultiplexing for Flexible UDWDM Metro-Access Networks. , 2017, , .		6

#	ARTICLE	IF	CITATIONS
55	MIMO processing based on higher-order Poincaré spheres. , 2017, , .		0
56	Nonlinear compensation with DBP aided by a memory polynomial. Optics Express, 2016, 24, 30309.	1.7	13
57	Experimental Demonstration of Selective Core Coupling in Multicore Fibers of a 200 Gb/s DP-16QAM Signal. , 2016, , .		8
58	Continuous Control of Random Polarization Rotations for Quantum Communications. Journal of Lightwave Technology, 2016, , 1-1.	2.7	10
59	Optimized Carrier Frequency and Phase Recovery Based on Blind $\mathcal{M}$ -ary PSK Power Schemes. IEEE Photonics Technology Letters, 2016, 28, 2439-2442.	1.3	9
60	Distributive FIR-Based Chromatic Dispersion Equalization for Coherent Receivers. Journal of Lightwave Technology, 2016, 34, 5023-5032.	2.7	13
61	Multi-carrier high-speed optical communication systems supported by digital signal processing. , 2016, , .		0
62	Using the Stokes space for equalization of polarization impairments in digital coherent optical receivers. , 2016, , .		1
63	Flexible and hybrid bidirectional optical metro networking using adaptive stokes space polarization demultiplexing. , 2016, , .		0
64	Low Complexity Advanced DBP Algorithms for Ultra-Long-Haul 400 G Transmission Systems. Journal of Lightwave Technology, 2016, 34, 1793-1799.	2.7	25
65	Implementation of a two-state quantum bit commitment protocol in optical fibers. Journal of Optics (United Kingdom), 2016, 18, 015202.	1.0	10
66	Coherent Nyquist UDWDM-PON With Digital Signal Processing in Real Time. Journal of Lightwave Technology, 2016, 34, 826-833.	2.7	11
67	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
68	Multicarrier Digital Backpropagation for 400G Optical Superchannels. Journal of Lightwave Technology, 2016, 34, 1896-1907.	2.7	19
69	Hardware Optimization for Carrier Recovery based on Mth Power Schemes. , 2016, , .		3
70	Assessment of nonlinear equalization algorithms for coherent optical transmission systems using an FPGA. , 2015, , .		0
71	Field-trial of a real-time bidirectional UDWDM-PON coexisting with GPON, RF video overlay and NG-PON2 systems. , 2015, , .		6
72	Experimental demonstration of the parallel split-step method in ultra-long-haul 400G transmission. , 2015, , .		6

#	ARTICLE	IF	CITATIONS
73	Planning and dimensioning of multilayer optical transport networks. , 2015, , .		5
74	Impact of Grooming Architecture of Transport Nodes in Line Interface Count for Multi-Period Planning. , 2015, , .		4
75	Parallel Split-Step Method for Digital Backpropagation. , 2015, , .		5
76	Demonstration of Nyquist UDWDM-PON with Digital Signal Processing in Real-Time. , 2015, , .		15
77	Ultra-long-haul 400G superchannel transmission with multi-carrier nonlinear equalization. , 2015, , .		4
78	Verification of the Violation of WWZB Inequality Using Werner States. Journal of Physics: Conference Series, 2015, 605, 012036.	0.3	0
79	Time-Domain Volterra-Based Digital Backpropagation for Coherent Optical Systems. Journal of Lightwave Technology, 2015, 33, 3170-3181.	2.7	26
80	Polarization Effects on the Non-Linearity of a Highly Non-Linear Fiber. Fiber and Integrated Optics, 2015, 34, 3-13.	1.7	1
81	Optimizing polarization related dynamic equalization in coherent optical communications. , 2015, , .		0
82	On the probability distribution of the capacity allocation in optical transport networks. , 2015, , .		0
83	Experimental Assessment of the Adaptive Stokes Space-Based Polarization Demultiplexing for Optical Metro and Access Networks. Journal of Lightwave Technology, 2015, 33, 4968-4974.	2.7	19
84	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
85	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
86	Switching in multicore fibers using flexural acoustic waves. Optics Express, 2015, 23, 26313.	1.7	17
87	Extended Kalman Filter vs. Geometrical Approach for Stokes Space-Based Polarization Demultiplexing. Journal of Lightwave Technology, 2015, 33, 4826-4833.	2.7	30
88	Fully Blind Linear and Nonlinear Equalization for 100G PM-64QAM Optical Systems. Journal of Lightwave Technology, 2015, 33, 1265-1274.	2.7	32
89	EIT in hollowâ€œcore fibers for optical communications devices. Microwave and Optical Technology Letters, 2015, 57, 348-352.	0.9	1
90	Site-Dependent Pumping Effect on Two-Level EDFAs. Journal of Lightwave Technology, 2015, 33, 285-292.	2.7	2

#	ARTICLE	IF	CITATIONS
91	Coherent ultra dense wavelength division multiplexing passive optical networks. Optical Fiber Technology, 2015, 26, 100-107.	1.4	28
92	Statistical Analysis and Modeling of Shortest Path Lengths in Optical Transport Networks. Journal of Lightwave Technology, 2015, 33, 2791-2801.	2.7	18
93	Real-time digital signal processing for coherent optical systems. , 2015, , .		1
94	Benefits of Node Architecture Flexibility and Hitless Re-Grooming in Transport Networks. Journal of Lightwave Technology, 2015, 33, 4424-4436.	2.7	10
95	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
96	Heralded single-photon source from spontaneous four-wave mixing process in lossy waveguides. Proceedings of SPIE, 2015, , .	0.8	0
97	Volterra-based Digital Backpropagation: Performance and Complexity Assessment. , 2015, , .		0
98	A brief review on quantum bit commitment. Proceedings of SPIE, 2014, , .	0.8	3
99	Estimation of Link-Dependent Parameters in Optical Transport Networks From Statistical Models. Journal of Optical Communications and Networking, 2014, 6, 601.	3.3	8
100	Free space optics hybrid PTMP advanced modulation bidirectional PON. , 2014, , .		4
101	Impact of TWDM on optional real-time QPSK WDM channels. , 2014, , .		6
102	Transmission of PM-64QAM over 1524 km of PSCF using fully-blind equalization and Volterra-based nonlinear mitigation. , 2014, , .		4
103	Using single photons to improve fiber optic communication systems. Proceedings of SPIE, 2014, , .	0.8	0
104	Calculation of the number of bits required for the estimation of the bit error ratio. , 2014, , .		3
105	Mode conversion based on the acousto-optic effect for mode division multiplexed transmission. , 2014, , .		0
106	Reducing the complexity of digital nonlinear compensation for high-speed coherent optical communication systems. , 2014, , .		0
107	Adaptive 3-D Stokes Space-Based Polarization Demultiplexing Algorithm. Journal of Lightwave Technology, 2014, 32, 3290-3298.	2.7	50
108	Estimating the parameters of optical transport networks from their circumferential ellipses. , 2014, , .		9

#	ARTICLE	IF	CITATIONS
109	Dynamic method for Stokes space based polarization demultiplexing of advanced modulation formats. , 2014, , .		0
110	On the impact of client to line port blocking in the line interface count and footprint of transport networks. , 2014, , .		3
111	Tunable Mode Conversion Using Acoustic Waves in Optical Microwires. Journal of Lightwave Technology, 2014, 32, 3257-3265.	2.7	17
112	Digital equalization of optical nonlinearities in very high-speed optical communication systems. , 2014, , .		1
113	A different way to verify the violation of the WWÅ»B inequality. European Physical Journal D, 2014, 68, 1.	0.6	1
114	Noise and measurement errors in a practical two-state quantum bit commitment protocol. Physical Review A, 2014, 89, .	1.0	17
115	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
116	Photon-pair generation in lossy waveguides. Proceedings of SPIE, 2014, , .	0.8	0
117	Experimental setup for electromagnetically induced transparency observation in hollow-core fibers. , 2014, , .		0
118	Clock and carrier recovery in high-speed coherent optical communication systems. , 2014, , .		1
119	Using quantum technologies to improve fiber optic communication systems. , 2013, 51, 42-48.		12
120	Theoretical Analysis of Multimodal Four-Wave Mixing in Optical Microwires. Journal of Lightwave Technology, 2013, 31, 195-202.	2.7	2
121	Simplified Volterra Series Nonlinear Equalizer for Polarization-Multiplexed Coherent Optical Systems. Journal of Lightwave Technology, 2013, 31, 3879-3891.	2.7	74
122	Effects of Losses and Nonlinearities on the Generation of Polarization Entangled Photons. Journal of Lightwave Technology, 2013, 31, 1309-1317.	2.7	10
123	Digital PDL Compensation in 3D Stokes Space. Journal of Lightwave Technology, 2013, 31, 2122-2130.	2.7	41
124	Equalization of fiber impairments using high-speed digital signal processing. , 2013, , .		0
125	Statistical Model for Link Lengths in Optical Transport Networks. Journal of Optical Communications and Networking, 2013, 5, 762.	3.3	31
126	Experimental characterization of a highly nonlinear fiber. Proceedings of SPIE, 2013, , .	0.8	0



#	ARTICLE	IF	CITATIONS
127	Characterization of a fiber based heralded single photon source at telecom wavelength. , 2013, , .		0
128	Wavelength-shift-free Mamyshev regenerator. Proceedings of SPIE, 2013, , .	0.8	1
129	Enabling quantum communications through accurate photons polarization control. , 2013, , .		1
130	Nonlinear polarizers in low-birefringence optical fibers. Proceedings of SPIE, 2013, , .	0.8	0
131	Pump and filtering optimization in Mamyshev regenerator. , 2013, , .		0
132	Impact of Node Architecture in the Power Consumption and Footprint Requirements of Optical Transport Networks. Journal of Optical Communications and Networking, 2013, 5, 421.	3.3	15
133	Experimental demonstration of a frequency-domain Volterra series nonlinear equalizer in polarization-multiplexed transmission. Optics Express, 2013, 21, 276.	1.7	20
134	Extremely small-core photonic crystal fiber fusion splicing with a single-mode fiber. Proceedings of SPIE, 2013, , .	0.8	1
135	Dynamics of SHB and SDP on 9XX EDFAs: Dependence on spectral allocation of input channels. , 2013, , .		0
136	Total cost of ownership comparison between single and mixed line rate networks. , 2013, , .		1
137	The cost dependence between the grooming scheme, the node architecture and the traffic pattern in optical networks. , 2013, , .		1
138	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
139	Stokes Space Based Digital PolDemux for Polarization Switched-QPSK Signals. , 2013, , .		7
140	Analysis of Transmission Impairments on Terabit Aggregate PONs. , 2013, , .		1
141	Mitigation of intra-channel nonlinearities using a frequency-domain Volterra series equalizer. Optics Express, 2012, 20, 1360.	1.7	89
142	Halting the fuse discharge propagation using optical fiber microwires. Optics Express, 2012, 20, 21083.	1.7	5
143	Cost evaluation in optical networks: Node architecture and energy consumption. , 2012, , .		0
144	Impact of FWM process on the statistics of a co-propagating quantum signal in a WDM lightwave system. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
145	Generating near-optimal survivable topologies. , 2012, , .		1
146	Flexible optical receivers. , 2012, , .		1
147	Polarization-dependent gain in Raman amplification based all-optical polarization control schemes. , 2012, , .		0
148	Experimental Demonstration of a Frequency-Domain Volterra Series Nonlinear Equalizer in Polarization-Multiplexed Transmission. , 2012, , .		1
149	Receiver-side digital signal processing for 100-GE coherent optical transmission systems. , 2012, , .		0
150	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
151	Experimental characterization of the photon statistics of four-wave mixing photon source. , 2012, , .		0
152	Photonâ€pair states and violation of CHSH inequality. Microwave and Optical Technology Letters, 2012, 54, 2454-2461.	0.9	2
153	Engineering quantum communication systems. Proceedings of SPIE, 2012, , .	0.8	0
154	Continuous wave supercontinuum generation aided by a weaker pulse laser. , 2012, , .		0
155	Weighted Undepleted Pump Model for Broadband Counter-Pumped Raman Fiber Amplifiers. Journal of Optical Communications and Networking, 2012, 4, 595.	3.3	1
156	Four-wave mixing: Photon statistics and the impact on a co-propagating quantum signal. Optics Communications, 2012, 285, 2956-2960.	1.0	7
157	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
158	Acousto-Optic Tunable Mode Coupler. , 2012, , .		7
159	Estimating the energy consumption in survivable optical transport networks. , 2011, , .		1
160	Digital Postcompensation Using Volterra Series Transfer Function. IEEE Photonics Technology Letters, 2011, 23, 1412-1414.	1.3	50
161	Optimization of polarization control schemes for QKD systems. , 2011, , .		2
162	Single-photon source using stimulated FWM in optical fibers for quantum communication. Proceedings of SPIE, 2011, , .	0.8	4

#	ARTICLE	IF	CITATIONS
163	Cost evaluation in optical networks. , 2011, , .		2
164	QBER Estimation in QKD Systems With Polarization Encoding. Journal of Lightwave Technology, 2011, 29, 355-361.	2.7	25
165	Genetic Algorithm for the Topological Design of Survivable Optical Transport Networks. Journal of Optical Communications and Networking, 2011, 3, 17.	3.3	40
166	Broadband polarization pulling using Raman amplification. Optics Express, 2011, 19, 18707.	1.7	30
167	Evolution of first-order sidebands from multiple FWM processes in HiBi optical fibers. Optics Communications, 2011, 284, 3408-3415.	1.0	8
168	Statistical characterization of a single-photon source based on stimulated FWM in optical fibers. , 2011, , .		1
169	CAPEX model for PON technology using single and cascaded splitter schemes. , 2011, , .		6
170	Optical quantum communications: an experimental approach. Proceedings of SPIE, 2011, , .	0.8	4
171	Raman amplifier undepleted pump model customization to include pump-to-pump interactions. , 2011, , .		0
172	Polarization-entangled photon pairs using spontaneous four-wave mixing in a fiber loop. , 2011, , .		3
173	Design of a tunable single photon interferometer based on modal engineered tapered optical fibers. , 2010, , .		1
174	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
175	Effective Nonlinear Parameter Measurement Using FWM in Optical Fibers in a Low Power Regime. IEEE Journal of Quantum Electronics, 2010, 46, 285-291.	1.0	19
176	Evaluation of the effect of channel add/drop impact on power transients on the performance of a 10â€œGB/S DWDM transmission system with hybrid EDFA/Raman amplification. Microwave and Optical Technology Letters, 2010, 52, 1225-1228.	0.9	0
177	Evolution of the degree of co-polarization in high-birefringence fibers. Optics Communications, 2010, 283, 2125-2132.	1.0	4
178	CAPEX Model for PON Technology. , 2010, , .		2
179	Dimensioning optical networks: A practical approach. , 2010, , .		2
180	Generating Realistic Optical Transport Network Topologies. Journal of Optical Communications and Networking, 2010, 2, 80.	3.3	52

#	ARTICLE	IF	CITATIONS
181	Generalized analysis of the polarization evolution in high-birefringence fibers. , 2010, , .		0
182	A statistical model for CapEx fast calculation in optical transport networks. , 2009, , .		8
183	Attenuation fitting functions. Microwave and Optical Technology Letters, 2009, 51, 2294-2296.	0.9	2
184	Non-Gaussian ASE Noise in Raman Amplification Systems. Journal of Lightwave Technology, 2009, 27, 3389-3398.	2.7	12
185	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
186	Quantifying the Restoration Capacity in Optical Mesh Networks. , 2009, , .		4
187	Non-white noise generation method for ASE noise simulation in systems with Raman amplification. , 2009, , .		0
188	Transient Response and Control of Pump-Reflecting Raman Fiber Amplifiers. Fiber and Integrated Optics, 2009, 29, 44-61.	1.7	2
189	Low-cost Raman amplifier for CWDM systems. Microwave and Optical Technology Letters, 2008, 50, 297-301.	0.9	15
190	Nonlinear Interaction Between Signal and Noise in Optical Fibers. Journal of Lightwave Technology, 2008, 26, 1847-1853.	2.7	9
191	Dimensioning of Optical Networks with Incomplete Information. , 2008, , .		4
192	Low-cost L-band Raman amplifier for CWDM systems. , 2008, , .		1
193	Path selection strategy for consumer grid over OBS networks. , 2008, , .		3
194	Impact of the mean nodal degree on optical networks. , 2008, , .		0
195	Noise-Induced Spectral Shifts in Pseudo-Linear Fiber-Optic Communication Systems. , 2007, , .		2
196	Polarization Scattering Property of Cascaded Polarization Controllers. ETRI Journal, 2007, 29, 838-840.	1.2	0
197	Optical versus electrical dispersion compensation: role of timing jitter. Journal of Lightwave Technology, 2006, 24, 387-395.	2.7	9
198	Uniform Polarization Scattering With Fiber-Coil-Based Polarization Controllers. Journal of Lightwave Technology, 2006, 24, 3932-3943.	2.7	19

#	ARTICLE	IF	CITATIONS
199	Transmission Fiber Chromatic Dispersion Dependence on Temperature: Implications on 40 Gb/s Performance. ETRI Journal, 2006, 28, 257-259.	1.2	7
200	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
201	Single-Photon Source by Means of Four-Wave Mixing Inside a Dispersion-Shifted Optical Fiber. , 2006, , .		6
202	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
203	Polarization Mode Dispersion in High-Speed Optical Communication Systems. Fiber and Integrated Optics, 2005, 24, 261-285.	1.7	15
204	Optical Communications Research at Institute of Telecommunications. Fiber and Integrated Optics, 2005, 24, 411-428.	1.7	2
205	40-Gb/s systems on G.652 fibers: comparison between periodic and all-at-the-end dispersion compensation. Journal of Lightwave Technology, 2002, 20, 1673-1679.	2.7	17
206	Strictly Non-Blocking All-Optical-Cross-Connect Demonstrator for WDM Wavelength Path Networks. Photonic Network Communications, 2002, 4, 63-72.	1.4	2
207	Development of a 10-Gbit/s optical soliton source. , 2001, , .		0
208	Effect of soliton interaction on timing jitter in communication systems. Journal of Lightwave Technology, 1998, 16, 515-519.	2.7	29
209	Extraction of laser parameters for simulation purposes. , 0, , .		3
210	Quantum Communications. Fiber and Integrated Optics, 0, , 1-2.	1.7	1
211	Topological Design Using Genetic Algorithms. , 0, , 153-173.		0