Ivan Andonovic

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1961201/publications.pdf

Version: 2024-02-01

213 papers	4,484 citations	159525 30 h-index	149623 56 g-index
218 all docs	218 docs citations	218 times ranked	2027 citing authors

#	Article	IF	Citations
1	Buffering in optical packet switches. Journal of Lightwave Technology, 1998, 16, 2081-2094.	2.7	411
2	Transparent optical packet switching: the European ACTS KEOPS project approach. Journal of Lightwave Technology, 1998, 16, 2117-2134.	2.7	370
3	Transparent optical packet switching: network architecture and demonstrators in the KEOPS project. IEEE Journal on Selected Areas in Communications, 1998, 16, 1245-1259.	9.7	239
4	Approaches to optical Internet packet switching. , 2000, 38, 116-122.		188
5	WASPNET: a wavelength switched packet network. , 1999, 37, 120-129.		181
6	Hybrid wavelength hopping/time spreading schemes for use in massive optical networks with increased security. Journal of Lightwave Technology, 1996, 14, 2636-2647.	2.7	162
7	SLOB: a switch with large optical buffers for packet switching. Journal of Lightwave Technology, 1998, 16, 1725-1736.	2.7	156
8	Wavelength hopping/time spreading code division multiple access systems. Electronics Letters, 1994, 30, 1388-1390.	0.5	154
9	Sideband generation through perturbations to the average soliton model. Journal of Lightwave Technology, 1992, 10, 1329-1333.	2.7	126
10	Solution paths to limit interferometric noise induced performance degradation in ASK/direct detection lightwave networks. Journal of Lightwave Technology, 1996, 14, 1943-1954.	2.7	107
11	Packet loss and delay performance of feedback and feed-forward arrayed-waveguide gratings-based optical packet switches with WDM inputs-outputs. Journal of Lightwave Technology, 2001, 19, 1241-1254.	2.7	100
12	Coherent optical CDMA (OCDMA) systems used for high-capacity optical fiber networks-system description, OTDMA comparison, and OCDMA/WDMA networking. Journal of Lightwave Technology, 2000, 18, 765-778.	2.7	70
13	Varietal Classification of Rice Seeds Using RGB and Hyperspectral Images. IEEE Access, 2020, 8, 22493-22505.	2.6	68
14	A Fusion-Based Machine Learning Approach for the Prediction of the Onset of Diabetes. Healthcare (Switzerland), 2021, 9, 1393.	1.0	68
15	High Temperature Wavelength Division Network for Avionic Applications. Journal of Lightwave Technology, 2013, 31, 3006-3013.	2.7	60
16	2Ã—2 buffered switch fabrics for traffic routing, merging, and shaping in photonic cell networks. Journal of Lightwave Technology, 1997, 15, 86-101.	2.7	58
17	Dynamic bandwidth allocation algorithm for differentiated sservices over WDM EPONs. , 2004, , .		56
18	On the various time constants of wavelength changes of a DFB laser under direct modulation. IEEE Journal of Quantum Electronics, 1998, 34, 1816-1822.	1.0	54

#	Article	IF	Citations
19	Practical considerations for wireless sensor networks in cattle monitoring applications. Computers and Electronics in Agriculture, 2012, 81, 33-44.	3.7	54
20	Inter-channel crosstalk phenomena in optical time division multiplexed switching networks. IEEE Photonics Technology Letters, 1994, 6, 661-663.	1.3	53
21	Temperature compensation for optical current sensors. Optical Engineering, 1999, 38, 1699.	0.5	49
22	A Review of Cyber-Ranges and Test-Beds: Current and Future Trends. Sensors, 2020, 20, 7148.	2.1	49
23	Optical crystal based devices for current and voltage measurement. IEEE Transactions on Power Delivery, 1995, 10, 1217-1223.	2.9	48
24	Image analysis framework with focus evaluation for in situ characterisation of particle size and shape attributes. Chemical Engineering Science, 2018, 191, 208-231.	1.9	41
25	Integration of in situ imaging and chord length distribution measurements for estimation of particle size and shape. Chemical Engineering Science, 2016, 144, 87-100.	1.9	40
26	The Internet of Things enhancing animal welfare and farm operational efficiency. Journal of Dairy Research, 2020, 87, 20-27.	0.7	40
27	Secure optical network architectures utilizing wavelength hopping/time spreading codes. IEEE Photonics Technology Letters, 1995, 7, 573-575.	1.3	39
28	Performance analysis of 2-D time-wavelength OCDMA systems with coherent light sources: code design considerations. Journal of Lightwave Technology, 2006, 24, 3583-3589.	2.7	37
29	Mitigation of Beat Noise in Timeâ€“Wavelength Optical Code-Division Multiple-Access Systems. Journal of Lightwave Technology, 2006, 24, 4215-4222.	2.7	36
30	Identification of the Rumination in Cattle Using Support Vector Machines with Motion-Sensitive Bolus Sensors. Sensors, 2019, 19, 1165.	2.1	36
31	Massive optical LANs using wavelength hopping/time spreading with increased security. IEEE Photonics Technology Letters, 1996, 8, 935-937.	1.3	34
32	On the Experimental Characterization of Beat Noise in 2-D Time-Spreading Wavelength-Hopping OCDMA Systems. IEEE Photonics Technology Letters, 2006, 18, 2314-2316.	1.3	34
33	Performance evaluation of shortest multipath source routing scheme. IET Communications, 2009, 3, 700.	1.5	34
34	Crystal Shape Modification via Cycles of Growth and Dissolution in a Tubular Crystallizer. Crystal Growth and Design, 2018, 18, 4403-4415.	1.4	33
35	Cyber Security in the Maritime Industry: A Systematic Survey of Recent Advances and Future Trends. Information (Switzerland), 2022, 13, 22.	1.7	32
36	Implementation of herd management systems with wireless sensor networks. IET Wireless Sensor Systems, 2011, 1, 55-65.	1.3	30

#	Article	IF	Citations
37	Spectral shift and broadening of DFB lasers under direct modulation. IEEE Photonics Technology Letters, 1998, 10, 1709-1711.	1.3	29
38	Semiconductor optical amplifiers: performance and applications in optical packet switching [Invited]. Journal of Optical Networking, 2004, 3, 882.	2.5	28
39	Polarization-Insensitive SOAs Using Strained Bulk Active Regions. Journal of Lightwave Technology, 2006, 24, 3920-3927.	2.7	28
40	An Adjustable Gain-Clamped Semiconductor Optical Amplifier (AGC-SOA). Journal of Lightwave Technology, 2007, 25, 1466-1473.	2.7	28
41	Coherent optical pulse CDMA systems based on coherent correlation detection. IEEE Transactions on Communications, 1999, 47, 261-271.	4.9	26
42	Incoherent Ultrafast OCDMA Receiver Design With 2 ps All-Optical Time Gate to Suppress Multiple-Access Interference. IEEE Journal of Selected Topics in Quantum Electronics, 2008, 14, 861-867.	1.9	26
43	A Broadcast/Multicast-Capable Carrier-Reuse WDM-PON. Journal of Lightwave Technology, 2011, 29, 2276-2284.	2.7	26
44	Wireless Sensor Networks in Agriculture: Cattle Monitoring for Farming Industries. Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium, 2009, 5, 31-35.	0.4	26
45	Performance Analysis of Optical Zero Cross Correlation in OCDMA System. Journal of Applied Sciences, 2007, 7, 3819-3822.	0.1	26
46	Effect of physical layer impairments on SUM and AND detection strategies for 2-D optical CDMA. IEEE Photonics Technology Letters, 2005, 17, 1112-1114.	1.3	25
47	Decision-directed PLL for coherent optical pulse CDMA systems in the presence of multiuser interference, laser phase noise, and shot noise. Journal of Lightwave Technology, 1998, 16, 1786-1794.	2.7	23
48	Image-based monitoring for early detection of fouling in crystallisation processes. Chemical Engineering Science, 2015, 133, 82-90.	1.9	23
49	Classification of Cattle Behaviours Using Neck-Mounted Accelerometer-Equipped Collars and Convolutional Neural Networks. Sensors, 2021, 21, 4050.	2.1	22
50	Incoherent asynchronous optical CDMA using gold codes. Electronics Letters, 1994, 30, 721-723.	0.5	21
51	Code Flexibility of 2-D Time-Spreading Wavelength-Hopping In OCDMA Systems. IEEE Journal of Selected Topics in Quantum Electronics, 2007, 13, 1378-1385.	1.9	21
52	Interferometric noise for a single interferer: comparison between theory and experiment. Electronics Letters, 1996, 32, 1501.	0.5	19
53	Precision Livestock Farming Technologies. , 2018, , .		19
54	Detecting Heat Stress in Dairy Cattle Using Neck-Mounted Activity Collars. Agriculture (Switzerland), 2020, 10, 210.	1.4	19

#	Article	IF	Citations
55	Cyber-Security Challenges in Aviation Industry: A Review of Current and Future Trends. Information (Switzerland), 2022, 13, 146.	1.7	19
56	Compact 132 kV combined optical voltage and current measurement system. IEEE Transactions on Instrumentation and Measurement, 1998, 47, 219-223.	2.4	17
57	Effect of beat noise on the performance of two-dimensional time-spreading/wavelength-hopping optical code-division multiple-access systems. Journal of Optical Networking, 2005, 4, 121.	2.5	17
58	High-Performance Semiconductor Optical Amplifier Modules at 1300 nm. IEEE Photonics Technology Letters, 2006, 18, 2674-2676.	1.3	17
59	Partial-Disjoint Multipath Routing for Wireless Ad-hoc Networks. , 2007, , .		17
60	Adaptation of wireless sensor network for farming industries. , 2009, , .		17
61	Optically amplified passive optical networks: a power budget analysis. Journal of Optical Networking, 2009, 8, 370.	2.5	16
62	Multi-sensor inline measurements of crystal size and shape distributions during high shear wet milling of crystal slurries. Advanced Powder Technology, 2018, 29, 2987-2995.	2.0	16
63	Evaluation of reticuloruminal pH measurements from individual cattle: Sampling strategies for the assessment of herd status. Veterinary Journal, 2019, 243, 26-32.	0.6	16
64	Vibration compensation technique for an optical current transducer. Optical Engineering, 1999, 38, 1708.	0.5	15
65	Dynamic backhaul sensitive Network Selection Scheme in LTE-WiFi wireless HetNet. , 2013, , .		14
66	Auction-Based Network Selection in a Market-Based Framework for Trading Wireless Communication Services. IEEE Transactions on Vehicular Technology, 2014, 63, 1365-1377.	3.9	14
67	Incoherent all-optical code recognition with balanced detection. Journal of Lightwave Technology, 1994, 12, 1073-1080.	2.7	13
68	Automatic Annotation of Subsea Pipelines Using Deep Learning. Sensors, 2020, 20, 674.	2.1	13
69	Behavioural Classification of Cattle Using Neck-Mounted Accelerometer-Equipped Collars. Sensors, 2022, 22, 2323.	2.1	13
70	Perturbation analysis for the design of an optically controlled fiber-optic directional coupler. Optics Letters, 1986, 11, 540.	1.7	12
71	Code-based all optical routing using two-level coding. Journal of Lightwave Technology, 2006, 24, 1627-1637.	2.7	12
72	Spatial and spectral features utilization on a Hyperspectral imaging system for rice seed varietal purity inspection. , 2016, , .		11

#	Article	IF	Citations
73	Deep Internal Learning for Inpainting of Cloud-Affected Regions in Satellite Imagery. Remote Sensing, 2022, 14, 1342.	1.8	11
74	Fabrication of 2 x 2 crosspoint switches using a sputtered SiO2 intermixing technique. IEEE Photonics Technology Letters, 2000, 12, 287-289.	1.3	10
75	Unequal error protection for data partitioned H.264/AVC video broadcasting. Multimedia Tools and Applications, 2015, 74, 5787-5809.	2.6	10
76	Interferometric noise reduction through intrabit frequency evolution of directly modulated DFB lasers. Journal of Lightwave Technology, 1996, 14, 2117-2125.	2.7	9
77	A novel bulk-glass optical current transducer having an adjustable multiring closed-optical-path. IEEE Transactions on Instrumentation and Measurement, 1998, 47, 240-243.	2.4	9
78	The role of thermal chirp in reducing interferometric noise in fiber-optic systems driven by directly modulated DFB lasers. Journal of Lightwave Technology, 2000, 18, 154-160.	2.7	9
79	Optimization of heterogeneous multi-radio multi-hop rural wireless network. , 2012, , .		9
80	Evaluation of Visible Light Communication system performance in the presence of sunlight irradiance. , 2015, , .		9
81	Effect of oscillatory flow conditions on crystalliser fouling investigated through non-invasive imaging. Chemical Engineering Science, 2022, 252, 117188.	1.9	9
82	Sequence dependence of phase-induced intensity noise in optical networks that employ direct modulation. Optics Letters, 1995, 20, 359.	1.7	8
83	PLL performance of DS-CDMA systems in the presence of phase noise, multiuser interference, and additive Gaussian noise. IEEE Transactions on Communications, 1998, 46, 1507-1515.	4.9	8
84	Experimental demonstration of coherent coding of picosecond pulses. Electronics Letters, 1998, 34, 204.	0.5	8
85	Code tracking in optical pulse CDMA through coherent correlation demodulation. , 0, , .		8
86	CogSeNet: A Concept of Cognitive Wireless Sensor Network. , 2010, , .		8
87	Fabrication of periodic Ti:LiNbO3waveguides by single and double diffusion. Applied Physics Letters, 1983, 43, 19-21.	1.5	7
88	Demonstration of optical timeslot interchanging through 2 Ã— 2 crosspoints and feedforward delay lines. Electronics Letters, 1994, 30, 875.	0.5	7
89	Wireless sensor network for animal monitoring using both antenna and base-station diversity. , 2008, , .		7
90	Statistical Interaction Modeling of Bovine Herd Behaviors. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2011, 41, 820-829.	3.3	7

#	Article	IF	Citations
91	A Review of Techniques for the Analysis of Simulation Output. IETE Technical Review (Institution of) Tj ETQq1 1 0.784314 rgBT /Overl	2.1	7
92	The impact of sunlight on the performance of visible light communication systems over the year. , 2012, , .		7
93	Comparative Study of PCA and LDA for Rice Seeds Quality Inspection. , 2019, , .		7
94	Quantification of particle size and concentration using in-line techniques and multivariate analysis. Powder Technology, 2020, 376, 1-11.	2.1	7
95	Defect Detection in Aerospace Sandwich Composite Panels Using Conductive Thermography and Contact Sensors. Sensors, 2020, 20, 6689.	2.1	7
96	A Mapping Review of Real-Time Movement Sonification Systems for Movement Rehabilitation. IEEE Reviews in Biomedical Engineering, 2023, 16, 672-686.	13.1	7
97	Wireless Sensor Networks for Beef and Dairy Herd Management. , 2008, , .		6
98	Proactive Route Optimization for Fast Mobile IPv6. , 2009, , .		6
99	A Survey of Quality of Service-aware Routing Approaches for Mobile Ad Hoc Networks. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2012, 29, 188.	2.1	6
100	Automatic cattle location tracking using image processing. , 2015, , .		6
101	Energy Efficient Segmentation-Link Strategies for Transparent IP over WDM Core Networks. Journal of Communications, 2014, 9, 48-55.	1.3	6
102	A Comparison of the Performance of 2D and 3D Convolutional Neural Networks for Subsea Survey Video Classification. , 2021, , .		6
103	Fiber-optic matrix multiplier using a two-dimensional systolic-array architecture. Optics Letters, 1987, 12, 959.	1.7	5
104	Referencing systems for evanescent wave sensors. , 1990, , .		5
105	New unipolar codes allowing electrooptical correlation utilizing a semiconductor laser amplifier. IEEE Photonics Technology Letters, 1995, 7, 1456-1458.	1.3	5
106	<title>Multistage optical buffered switch for IP traffic</title>. , 1999, 3843, 90.		5
107	Code acquisition in coherent optical pulse CDMA systems utilizing coherent correlation demodulation. IEEE Transactions on Communications, 2000, 48, 611-621.	4.9	5
108	Optical packet switches: a comparison of designs. , 0, , .		5

#	Article	IF	Citations
109	Progress towards a protection class optical current sensor. IEEE Power Engineering Review, 2000, 20, 57-59.	0.1	5
110	Interferometric noise characterization of a 2-D time-spreading wavelength-hopping OCDMA network using FBG encoding and decoding. Journal of Optical Networking, 2007, 6, 663.	2.5	5
111	Reach extension of passive optical networks using semiconductor optical amplifiers. , 2008, , .		5
112	GMPLS energy efficiency scheme for Green Photonic Networks. , 2010, , .		5
113	The Dynamic Gain Modulation Performance of Adjustable Gain-Clamped Semiconductor Optical Amplifiers (AGC-SOA). Journal of Lightwave Technology, 2011, 29, 3483-3489.	2.7	5
114	Application Layer Systematic Network Coding for Sliced H.264/AVC Video Streaming. Advances in Multimedia, 2012, 2012, 1-9.	0.2	5
115	A Comprehensive Analysis on Data Hazard for RISC32 5-Stage Pipeline Processor. , 2017, , .		5
116	Identifying Defects in Aerospace Composite Sandwich Panels Using High-Definition Distributed Optical Fibre Sensors. Sensors, 2020, 20, 6746.	2.1	5
117	Fiber-optic bipolar tap implementation using an incoherent optical source. Optics Letters, 1987, 12, 726.	1.7	4
118	Hybridization platform assembly and demonstration of all-optical wavelength conversion at 10 Gb/s. Journal of Lightwave Technology, 2005, 23, 1852-1859.	2.7	4
119	Performance Evaluation of Priority Packet for Wireless Sensor Network. , 2008, , .		4
120	Wireless enabled multi gas sensor system based on photonic crystals. Proceedings of SPIE, 2010, , .	0.8	4
121	Research on backbone communication network in smart grid by using OPNET. , 2011, , .		4
122	A cyclic blackout mitigation system. , 2014, , .		4
123	Non-Destructive Identification of Fibre Orientation in Multi-Ply Biaxial Laminates Using Contact Temperature Sensors. Sensors, 2020, 20, 3865.	2.1	4
124	On Models and Approaches for Human Vital Signs Extraction from Short Range Radar Signals. , 2020, , .		4
125	A Flexible Multi-Temporal and Multi-Modal Framework for Sentinel-1 and Sentinel-2 Analysis Ready Data. Remote Sensing, 2022, 14, 1120.	1.8	4
126	<title>Effect on gyro drift with an in-loop polarizer in an optical passive ring resonator</title>. , 1992, 1585, 136.		3

#	Article	IF	Citations
127	<title>Designing an optimum WDM transport network: control architectures, node requirements, and performance</title>. , 1998, , .		3
128	Interferometric Noise Characterisation of a 2-D Time Spreading Wavelength Hopping OCDMA Networks using FBG Encoding/Decoding. , 2007, , .		3
129	Empirical modelling and simulation of transmission loss between wireless sensor nodes in gas turbine engines. , 2009, , .		3
130	Modified asymmetrically-clipped optical orthogonal frequency-division multiplexing system performance. , 2013, , .		3
131	Wide area cyclic blackout mitigation by supply-demand matching of HVAC counterpart loads. , 2014, , .		3
132	Cyclic blackout mitigation and prevention using semi-dispatchable standby generation and stratified demand dispatch. Sustainable Energy, Grids and Networks, 2015, 4, 29-42.	2.3	3
133	Hybrid routing scheme for Vehicular Delay Tolerant Networks. , 2016, , .		3
134	Performance analysis of modified Asymmetrically-Clipped Optical Orthogonal Frequency-Division Multiplexing systems. Optics Communications, 2016, 380, 61-68.	1.0	3
135	Wireless MEMS sensors for precision farming. , 2017, , 215-238.		3
136	Fibre-optic multichannel correlation/convolution. Electronics Letters, 1987, 23, 310.	0.5	2
137	Block multiplexing codes for optical ladder network correlators. IEEE Photonics Technology Letters, 1994, 6, 309-311.	1.3	2
138	Interferometric noise reduction in crosstalk corrupted optical WDM and TDM switching fabrics. IEEE Photonics Technology Letters, 1995, 7, 1213-1215.	1.3	2
139	<title>Simplified routing and wavelength assignment in multifiber WDM grid networks</title>. , 1996, 2919, 190.		2
140	Noise Analysis in Coherence-Multiplexed Optical Fiber Communication Systems. Optical Fiber Technology, 1997, 3, 21-27.	1.4	2
141	Multi-gigabit WDM optical networking for next generation avionics system communications. Optics and Lasers in Engineering, 2000, 33, 277-297.	2.0	2
142	Performance Analysis of a 2-D Time-wavelength OCDMA Wavelength-Aware Receiver with Beat Noise. , 2006, , .		2
143	Downlink TCP performance enhancement at handoff for FMIPv6-enabled nodes. , 2010, , .		2
144	Numerical analysis of adjustable gain-clamped semiconductor optical amplifier (AGC-SOA) performance. , 2010, , .		2

#	Article	IF	Citations
145	High performance polarisation independent reflective semiconductor optical amplifiers in the S, C, and L bands. IEEE Journal on Selected Areas in Communications, 2010, 28, 943-948.	9.7	2
146	An Optimum Network Selection Solution for Multihomed Hosts Using Hopfield Networks. , 2010, , .		2
147	Packet equalisation in PONs using adjustable gain-clamped semiconductor optical amplifiers (AGC-SOA). , 2011, , .		2
148	Two approaches for the modified asymmetrically clipped optical orthogonal frequency division multiplexing system. , 2013, , .		2
149	Empirical channel models for optimized communications in a network of unmanned ground vehicles. , 2013, , .		2
150	Monolithic Adjustable Gain-Clamped Semiconductor Optical Amplifier. Journal of Lightwave Technology, 2013, 31, 2723-2727.	2.7	2
151	Power savings in a wavelength-division-multiplexed passive optical network for aircraft. Optical Engineering, 2014, 53, 126109.	0.5	2
152	Scalability study of backhaul capacity sensitive network selection scheme in LTEâ€WiFi HetNet. Transactions on Emerging Telecommunications Technologies, 2017, 28, e3013.	2.6	2
153	A fast, adaptive, and energy-efficient multi-path-multi-channel data collection protocol for wireless sensor networks. , 2017, , .		2
154	A Novel Methodology for Macroscale, Thermal Characterization of Carbon Fiber-Reinforced Polymer for Integrated Aircraft Electrical Power Systems. IEEE Transactions on Transportation Electrification, 2019, 5, 479-489.	5.3	2
155	Composite Laminate Delamination Detection Using Transient Thermal Conduction Profiles and Machine Learning Based Data Analysis. Sensors, 2020, 20, 7227.	2.1	2
156	Protocol Design for Farm Animal Monitoring Using Simulation. Lecture Notes in Computer Science, 2012, , 126-138.	1.0	2
157	<title>Improvement in the performance of evanescent wave chemical sensors by special waveguide structures</title>. , 1991, , .		1
158	Fiber-optic edge-enhancement network. Optics Letters, 1993, 18, 284.	1.7	1
159	<title>Fiber optic intensity modulator using multimode electro-optic polymeric overlay</title>. , 1993, , .		1
160	<title>Performance of silica-on-silicon waveguides for optical signal processing</title>. , 1993, , .		1
161	<title>Modeling the performance of optical time division multiplexed (TDM) switching structures in the presence of interferometric noise due to interchannel crosstalk</title>. , 1995, 2450, 484.		1
162	<title>Hybrid wavelength hopping/time spreading code division multiple access systems</title>. , 1995, , .		1

#	Article	IF	Citations
163	Experimental demonstration of the (de)coding of hybrid phase and frequency codes using a pseudolocal oscillator for optical code division multiplexing. IEEE Photonics Technology Letters, 1998, 10, 887-889.	1.3	1
164	<title>Performance of feedback and feedforward arrayed-waveguide-gratings-based optical packet switches with WDM inputs/outputs</title>. , 1998, , .		1
165	<title>Low-loss optical packet synchronization architecture</title>. , 1998, , .		1
166	Demonstration of a high resolution synchronizer to facilitate payload recovery at an optical node. IEEE Photonics Technology Letters, 1999, 11, 1671-1673.	1.3	1
167	<title>Optical code-division multiple-access networks</title>. , 1999, , .		1
168	<title>New packet switching concept for high-capacity networks</title>. , 2000, , .		1
169	Analysis of coherent optical CDMA networks employing DPSK transmission. IEE Proceedings: Optoelectronics, 2005, 152, 321-329.	0.8	1
170	Automatic power control with electronic amplified spontaneous emission compensation. Optical Engineering, 2007, 46, 080501.	0.5	1
171	Self-Organize Multi-Channel Random Selection Medium Access Control Protocol for Wireless Sensor Networks. , 2008, , .		1
172	Improving Performance of FBG-based OCDMA System Employing All-optical Signal Processing. , 2008, , .		1
173	The Impact of Physical Conditions on Network Connectivity in Wireless Sensor Network. , 2010, , .		1
174	QoS-aware routing based on capacity estimation for mobile ad hoc networks. , 2011, , .		1
175	Rate Adaptive Selective Segment Assignment for Reliable Wireless Video Transmission. International Journal of Digital Multimedia Broadcasting, 2012, 2012, 1-9.	0.4	1
176	A finite state based residential demand generator for scarce statistical data scenarios. , 2015, , .		1
177	Energy Efficient Partition-lightpath Scheme for IP over WDM Core Networks. Procedia Computer Science, 2015, 52, 515-522.	1.2	1
178	Cyclic blackout mitigation using rationing smart meters. , 2015, , .		1
179	Buffering Strategies for Optical Packet Switches. , 2000, , .		1
180	Computing at the speed of light. Electronics and Power, 1987, 33, 709.	0.0	0

#	Article	IF	Citations
181	Programmable fiber/integrated-optics bipolar tap. Optics Letters, 1989, 14, 895.	1.7	0
182	<title>Architectures for optical TDM switching</title>. , 1992, 1787, 204.		0
183	New code for communications network fault finding using a spread spectrum approach. Optics Communications, 1997, 133, 39-42.	1.0	0
184	<title>Coherent optical pulse CDMA systems based on I-Q noncoherent demodulation of M-ary orthogonal signals</title>. , 1998, 3531, 61.		0
185	<title>Performance evaluation of an optical packet switch under self-similar traffic</title>. , 2000, , .		0
186	Buffering optical IP packets. , 2001, , .		0
187	Optical networks with deflected MPLS paths. , 2001, , .		0
188	Variable Gain Semiconductor Optical Linear Amplifier (OLA). , 2002, 4871, 1.		0
189	Optical DPSK heterodyne transmission experiments with integrated narrow-linewidth semiconductor lasers. Journal of Modern Optics, 2002, 49, 795-799.	0.6	0
190	Experimental demonstration of a coherent optical CDMA network employing DPSK transmission. IEE Proceedings: Optoelectronics, 2005, 152, 330-336.	0.8	0
191	Interferometric Noise in Optical Code Division Multiple Access Systems. , 2006, , .		0
192	A Self-Organizing Multi-Channel Medium Access Control (SMMAC) Protocol for Wireless Sensor Networks. , 2007, , .		0
193	SMS: Shortest Multipath Source Routing for Mobile Ad-hoc Networks. , 2007, , .		0
194	Some preliminary short-range transmission loss measurements for wireless sensors deployed on indoor walls. , 2008, , .		0
195	Design and demonstration of OCDMA system with superior scalability. Proceedings of SPIE, 2008, , .	0.8	0
196	Reflective Semiconductor Optical Amplifiers in passive optical networks. , 2009, , .		0
197	Reflective Semiconductor Optical Amplifiers for passive optical networks. , 2009, , .		0
198	Preserving Privacy in Assistive Technologies. , 2009, , .		0

#	Article	IF	Citations
199	Fresnel based phase optimised general error diffusion algorithm for optical beam shaping. , 2010, , .		0
200	Packet equalisation in PONs using adjustable gain-clamped semiconductor optical amplifiers (AGC-SOA). , 2010, , .		0
201	Towards green high capacity optical networks. Proceedings of SPIE, 2011, , .	0.8	0
202	Scalability Analysis of Multi-Tier Hybrid WiMAX-WiFi Multi-Hop Network. , 2011, , .		0
203	Detailed Theoretical Model for Adjustable Gain-Clamped Semiconductor Optical Amplifier. International Journal of Optics, 2012, 2012, 1-7.	0.6	0
204	Monolithic adjustable gain-clamped semiconductor optical amplifier (AGC-SOA). , 2013, , .		0
205	The higher the better? Think twice!. , 2014, , .		0
206	Energy savings in WDM networks using reflective semiconductor optical amplifiers. , 2014, , .		0
207	Approximating Equilibrium in the Digital Marketplace. , 2015, , .		0
208	Crosstalk Reduction Using Larger Arrayed-Waveguide Gratings (AWGs). , 2000, , .		0
209	WDM Dynamic Bandwidth Allocation Schemes for Ethernet PONs. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 289-297.	0.2	0
210	Abstract Reporting and Reformation Schemes for Wireless Sensor Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 69-74.	0.2	0
211	Flexible Network Design for Wide Area Measurement Protection and Control. Lecture Notes in Electrical Engineering, 2012, , 831-842.	0.3	0
212	<title>Interferometric noise analysis in coherence-multiplexed optical fiber communication systems for local area networks</title>. , 1998, , .		0
213	Cyclic Blackout Mitigation Through HVAC Shifted Queue Optimization. Lecture Notes in Computer Science, 2015, , 34-51.	1.0	0