Ivan Andonovic

List of Publications by Year
in descending order

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	A Mapping Review of Real-Time Movement Sonification Systems for Movement Rehabilitation. IEEE Reviews in Biomedical Engineering, 2023, 16, 672-686.	13.1	7
2	Effect of oscillatory flow conditions on crystalliser fouling investigated through non-invasive imaging. Chemical Engineering Science, 2022, 252, 117188.	1.9	9
3	Cyber Security in the Maritime Industry: A Systematic Survey of Recent Advances and Future Trends. Information (Switzerland), 2022, 13, 22.	1.7	32
4	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
5	Cyber-Security Challenges in Aviation Industry: A Review of Current and Future Trends. Information (Switzerland), 2022, 13, 146.	1.7	19
6	Deep Internal Learning for Inpainting of Cloud-Affected Regions in Satellite Imagery. Remote Sensing, 2022, 14, 1342.	1.8	11
7	Behavioural Classification of Cattle Using Neck-Mounted Accelerometer-Equipped Collars. Sensors, 2022, 22, 2323.	2.1	13
8	Classification of Cattle Behaviours Using Neck-Mounted Accelerometer-Equipped Collars and Convolutional Neural Networks. Sensors, 2021, 21, 4050.	2.1	22
9	A Fusion-Based Machine Learning Approach for the Prediction of the Onset of Diabetes. Healthcare (Switzerland), 2021, 9, 1393.	1.0	68
10	A Comparison of the Performance of 2D and 3D Convolutional Neural Networks for Subsea Survey Video Classification. , 2021, , .		6
11	Quantification of particle size and concentration using in-line techniques and multivariate analysis. Powder Technology, 2020, 376, 1-11.	2.1	7
12	Non-Destructive Identification of Fibre Orientation in Multi-Ply Biaxial Laminates Using Contact Temperature Sensors. Sensors, 2020, 20, 3865.	2.1	4
13	On Models and Approaches for Human Vital Signs Extraction from Short Range Radar Signals. , 2020, , .		4
14	The Internet of Things enhancing animal welfare and farm operational efficiency. Journal of Dairy Research, 2020, 87, 20-27.	0.7	40
15	Defect Detection in Aerospace Sandwich Composite Panels Using Conductive Thermography and Contact Sensors. Sensors, 2020, 20, 6689.	2.1	7
16	A Review of Cyber-Ranges and Test-Beds: Current and Future Trends. Sensors, 2020, 20, 7148.	2.1	49
17	Composite Laminate Delamination Detection Using Transient Thermal Conduction Profiles and Machine Learning Based Data Analysis. Sensors, 2020, 20, 7227.	2.1	2
18	Identifying Defects in Aerospace Composite Sandwich Panels Using High-Definition Distributed Optical Fibre Sensors. Sensors, 2020, 20, 6746.	2.1	5

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19	Detecting Heat Stress in Dairy Cattle Using Neck-Mounted Activity Collars. Agriculture (Switzerland), 2020, 10, 210.	1.4	19
20	Varietal Classification of Rice Seeds Using RGB and Hyperspectral Images. IEEE Access, 2020, 8, 22493-22505.	2.6	68
21	Automatic Annotation of Subsea Pipelines Using Deep Learning. Sensors, 2020, 20, 674.	2.1	13
22	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
23	Identification of the Rumination in Cattle Using Support Vector Machines with Motion-Sensitive Bolus Sensors. Sensors, 2019, 19, 1165.	2.1	36
24	Comparative Study of PCA and LDA for Rice Seeds Quality Inspection. , 2019, , .		7
25	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
26	Precision Livestock Farming Technologies. , 2018, , .		19
27	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
28	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
29	Crystal Shape Modification via Cycles of Growth and Dissolution in a Tubular Crystallizer. Crystal Growth and Design, 2018, 18, 4403-4415.	1.4	33
30	Scalability study of backhaul capacity sensitive network selection scheme in LTEâ€WiFi HetNet. Transactions on Emerging Telecommunications Technologies, 2017, 28, e3013.	2.6	2
31	A fast, adaptive, and energy-efficient multi-path-multi-channel data collection protocol for wireless sensor networks. , 2017, , .		2
32	A Comprehensive Analysis on Data Hazard for RISC32 5-Stage Pipeline Processor. , 2017, , .		5
33	Wireless MEMS sensors for precision farming. , 2017, , 215-238.		3
34	Spatial and spectral features utilization on a Hyperspectral imaging system for rice seed varietal purity inspection. , 2016, , .		11
35	Hybrid routing scheme for Vehicular Delay Tolerant Networks. , 2016, , .		3
36	Performance analysis of modified Asymmetrically-Clipped Optical Orthogonal Frequency-Division Multiplexing systems. Optics Communications, 2016, 380, 61-68.	1.0	3

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37	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
38	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
39	Approximating Equilibrium in the Digital Marketplace. , 2015, , .		0
40	A finite state based residential demand generator for scarce statistical data scenarios. , 2015, , .		1
41	Automatic cattle location tracking using image processing. , 2015, , .		6
42	Image-based monitoring for early detection of fouling in crystallisation processes. Chemical Engineering Science, 2015, 133, 82-90.	1.9	23
43	Energy Efficient Partition-lightpath Scheme for IP over WDM Core Networks. Procedia Computer Science, 2015, 52, 515-522.	1.2	1
44	Evaluation of Visible Light Communication system performance in the presence of sunlight irradiance. , 2015, , .		9
45	Cyclic blackout mitigation using rationing smart meters. , 2015, , .		1
46	Unequal error protection for data partitioned H.264/AVC video broadcasting. Multimedia Tools and Applications, 2015, 74, 5787-5809.	2.6	10
47	Cyclic Blackout Mitigation Through HVAC Shifted Queue Optimization. Lecture Notes in Computer Science, 2015, , 34-51.	1.0	0
48	The higher the better? Think twice!. , 2014, , .		0
49	Wide area cyclic blackout mitigation by supply-demand matching of HVAC counterpart loads. , 2014, , .		3
50	A cyclic blackout mitigation system. , 2014, , .		4
51	Power savings in a wavelength-division-multiplexed passive optical network for aircraft. Optical Engineering, 2014, 53, 126109.	0.5	2
52	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
53	Energy savings in WDM networks using reflective semiconductor optical amplifiers. , 2014, , .		0
54	Energy Efficient Segmentation-Link Strategies for Transparent IP over WDM Core Networks. Journal of Communications, 2014, 9, 48-55.	1.3	6

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55	Dynamic backhaul sensitive Network Selection Scheme in LTE-WiFi wireless HetNet. , 2013, , .		14
56	Monolithic adjustable gain-clamped semiconductor optical amplifier (AGC-SOA). , 2013, , .		0
57	Two approaches for the modified asymmetrically clipped optical orthogonal frequency division multiplexing system. , 2013, , .		2
58	Modified asymmetrically-clipped optical orthogonal frequency-division multiplexing system performance. , 2013, , .		3
59	Empirical channel models for optimized communications in a network of unmanned ground vehicles. , 2013, , .		2
60	High Temperature Wavelength Division Network for Avionic Applications. Journal of Lightwave Technology, 2013, 31, 3006-3013.	2.7	60
61	Monolithic Adjustable Gain-Clamped Semiconductor Optical Amplifier. Journal of Lightwave Technology, 2013, 31, 2723-2727.	2.7	2
62	A Review of Techniques for the Analysis of Simulation Output. IETE Technical Review (Institution of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.1	7
63	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
64	The impact of sunlight on the performance of visible light communication systems over the year. , 2012, , .		7
65	Optimization of heterogeneous multi-radio multi-hop rural wireless network. , 2012, , .		9
66	Rate Adaptive Selective Segment Assignment for Reliable Wireless Video Transmission. International Journal of Digital Multimedia Broadcasting, 2012, 2012, 1-9.	0.4	1
67	Detailed Theoretical Model for Adjustable Gain-Clamped Semiconductor Optical Amplifier. International Journal of Optics, 2012, 2012, 1-7.	0.6	0
68	Application Layer Systematic Network Coding for Sliced H.264/AVC Video Streaming. Advances in Multimedia, 2012, 2012, 1-9.	0.2	5
69	Practical considerations for wireless sensor networks in cattle monitoring applications. Computers and Electronics in Agriculture, 2012, 81, 33-44.	3.7	54
70	Protocol Design for Farm Animal Monitoring Using Simulation. Lecture Notes in Computer Science, 2012, , 126-138.	1.0	2
71	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
72	Flexible Network Design for Wide Area Measurement Protection and Control. Lecture Notes in Electrical Engineering, 2012, , 831-842.	0.3	0

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73	QoS-aware routing based on capacity estimation for mobile ad hoc networks. , 2011, , .		1
74	Research on backbone communication network in smart grid by using OPNET. , 2011, , .		4
75	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
76	A Broadcast/Multicast-Capable Carrier-Reuse WDM-PON. Journal of Lightwave Technology, 2011, 29, 2276-2284.	2.7	26
77	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
78	Towards green high capacity optical networks. Proceedings of SPIE, 2011, , .	0.8	0
79	Implementation of herd management systems with wireless sensor networks. IET Wireless Sensor Systems, 2011, 1, 55-65.	1.3	30
80	Scalability Analysis of Multi-Tier Hybrid WiMAX-WiFi Multi-Hop Network. , 2011, , .		0
81	Packet equalisation in PONs using adjustable gain-clamped semiconductor optical amplifiers (AGC-SOA). , 2011, , .		2
82	Fresnel based phase optimised general error diffusion algorithm for optical beam shaping. , 2010, , .		0
83	Wireless enabled multi gas sensor system based on photonic crystals. Proceedings of SPIE, 2010, , .	0.8	4
84	The Impact of Physical Conditions on Network Connectivity in Wireless Sensor Network. , 2010, , .		1
85	GMPLS energy efficiency scheme for Green Photonic Networks. , 2010, , .		5
86	Downlink TCP performance enhancement at handoff for FMIPv6-enabled nodes. , 2010, , .		2
87	Numerical analysis of adjustable gain-clamped semiconductor optical amplifier (AGC-SOA) performance. , 2010, , .		2
88	CogSeNet: A Concept of Cognitive Wireless Sensor Network. , 2010, , .		8
89	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
90	An Optimum Network Selection Solution for Multihomed Hosts Using Hopfield Networks. , 2010, , .		2

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91	Packet equalisation in PONs using adjustable gain-clamped semiconductor optical amplifiers (AGC-SOA). , 2010, , .		0
92	Empirical modelling and simulation of transmission loss between wireless sensor nodes in gas turbine engines. , 2009, , .		3
93	Reflective Semiconductor Optical Amplifiers in passive optical networks. , 2009, , .		0
94	Proactive Route Optimization for Fast Mobile IPv6. , 2009, , .		6
95	Optically amplified passive optical networks: a power budget analysis. Journal of Optical Networking, 2009, 8, 370.	2.5	16
96	Reflective Semiconductor Optical Amplifiers for passive optical networks. , 2009, , .		0
97	Preserving Privacy in Assistive Technologies. , 2009, , .		0
98	Performance evaluation of shortest multipath source routing scheme. IET Communications, 2009, 3, 700.	1.5	34
99	Adaptation of wireless sensor network for farming industries. , 2009, , .		17
100	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
101	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
102	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
103	Some preliminary short-range transmission loss measurements for wireless sensors deployed on indoor walls. , 2008, , .		0
104	Self-Organize Multi-Channel Random Selection Medium Access Control Protocol for Wireless Sensor Networks. , 2008, , .		1
105	Performance Evaluation of Priority Packet for Wireless Sensor Network. , 2008, , .		4
106	Wireless sensor network for animal monitoring using both antenna and base-station diversity. , 2008, , .		7
107	Improving Performance of FBG-based OCDMA System Employing All-optical Signal Processing. , 2008, , .		1
108	Reach extension of passive optical networks using semiconductor optical amplifiers. , 2008, , .		5

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109	Design and demonstration of OCDMA system with superior scalability. Proceedings of SPIE, 2008, , .	0.8	0
110	Wireless Sensor Networks for Beef and Dairy Herd Management. , 2008, , .		6
111	A Self-Organizing Multi-Channel Medium Access Control (SMMAC) Protocol for Wireless Sensor Networks. , 2007, , .		0
112	Automatic power control with electronic amplified spontaneous emission compensation. Optical Engineering, 2007, 46, 080501.	0.5	1
113	Interferometric Noise Characterisation of a 2-D Time Spreading Wavelength Hopping OCDMA Networks using FBG Encoding/Decoding. , 2007, , .		3
114	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
115	An Adjustable Gain-Clamped Semiconductor Optical Amplifier (AGC-SOA). Journal of Lightwave Technology, 2007, 25, 1466-1473.	2.7	28
116	Partial-Disjoint Multipath Routing for Wireless Ad-hoc Networks. , 2007, , .		17
117	SMS: Shortest Multipath Source Routing for Mobile Ad-hoc Networks. , 2007, , .		0
118	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
119	Performance Analysis of Optical Zero Cross Correlation in OCDMA System. Journal of Applied Sciences, 2007, 7, 3819-3822.	0.1	26
120	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
121	High-Performance Semiconductor Optical Amplifier Modules at 1300 nm. IEEE Photonics Technology Letters, 2006, 18, 2674-2676.	1.3	17
122	Code-based all optical routing using two-level coding. Journal of Lightwave Technology, 2006, 24, 1627-1637.	2.7	12
123	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
124	Polarization-Insensitive SOAs Using Strained Bulk Active Regions. Journal of Lightwave Technology, 2006, 24, 3920-3927.	2.7	28
125	Mitigation of Beat Noise in Timeâ€"Wavelength Optical Code-Division Multiple-Access Systems. Journal of Lightwave Technology, 2006, 24, 4215-4222.	2.7	36
126	Performance Analysis of a 2-D Time-wavelength OCDMA Wavelength-Aware Receiver with Beat Noise. , 2006, , .		2

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127	Interferometric Noise in Optical Code Division Multiple Access Systems. , 2006, , .		0
128	Analysis of coherent optical CDMA networks employing DPSK transmission. IEE Proceedings: Optoelectronics, 2005, 152, 321-329.	0.8	1
129	Experimental demonstration of a coherent optical CDMA network employing DPSK transmission. IEE Proceedings: Optoelectronics, 2005, 152, 330-336.	0.8	0
130	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
131	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
132	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
133	Dynamic bandwidth allocation algorithm for differentiated sservices over WDM EPONs. , 2004, , .		56
134	Semiconductor optical amplifiers: performance and applications in optical packet switching [Invited]. Journal of Optical Networking, 2004, 3, 882.	2.5	28
135	Variable Gain Semiconductor Optical Linear Amplifier (OLA). , 2002, 4871, 1.		0
136	Optical DPSK heterodyne transmission experiments with integrated narrow-linewidth semiconductor lasers. Journal of Modern Optics, 2002, 49, 795-799.	0.6	0
137	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
138	Buffering optical IP packets. , 2001, , .		0
139	Optical networks with deflected MPLS paths. , 2001, , .		0
140	<title>Performance evaluation of an optical packet switch under self-similar traffic</title>. , 2000, , .		0
141	<title>New packet switching concept for high-capacity networks</title>. , 2000, , .		1
142	Multi-gigabit WDM optical networking for next generation avionics system communications. Optics and Lasers in Engineering, 2000, 33, 277-297.	2.0	2
143	Code acquisition in coherent optical pulse CDMA systems utilizing coherent correlation demodulation. IEEE Transactions on Communications, 2000, 48, 611-621.	4.9	5
144	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

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145	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
146	Approaches to optical Internet packet switching. , 2000, 38, 116-122.		188
147	Progress towards a protection class optical current sensor. IEEE Power Engineering Review, 2000, 20, 57-59.	0.1	5
148	Fabrication of 2 x 2 crosspoint switches using a sputtered SiO2 intermixing technique. IEEE Photonics Technology Letters, 2000, 12, 287-289.	1.3	10
149	Crosstalk Reduction Using Larger Arrayed-Waveguide Gratings (AWGs). , 2000, , .		0
150	Buffering Strategies for Optical Packet Switches. , 2000, , .		1
151	Vibration compensation technique for an optical current transducer. Optical Engineering, 1999, 38, 1708.	0.5	15
152	Temperature compensation for optical current sensors. Optical Engineering, 1999, 38, 1699.	0.5	49
153	Coherent optical pulse CDMA systems based on coherent correlation detection. IEEE Transactions on Communications, 1999, 47, 261-271.	4.9	26
154	WASPNET: a wavelength switched packet network. , 1999, 37, 120-129.		181
155	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
156	<title>Optical code-division multiple-access networks</title>. , 1999, , .		1
157	<title>Multistage optical buffered switch for IP traffic</title>. , 1999, 3843, 90.		5
158	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
159	Compact 132 kV combined optical voltage and current measurement system. IEEE Transactions on Instrumentation and Measurement, 1998, 47, 219-223.	2.4	17
160	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
161	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
162	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

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163	SLOB: a switch with large optical buffers for packet switching. Journal of Lightwave Technology, 1998, 16, 1725-1736.	2.7	156
164	Buffering in optical packet switches. Journal of Lightwave Technology, 1998, 16, 2081-2094.	2.7	411
165	Transparent optical packet switching: the European ACTS KEOPS project approach. Journal of Lightwave Technology, 1998, 16, 2117-2134.	2.7	370
166	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
167	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
168	Spectral shift and broadening of DFB lasers under direct modulation. IEEE Photonics Technology Letters, 1998, 10, 1709-1711.	1.3	29
169	Experimental demonstration of coherent coding of picosecond pulses. Electronics Letters, 1998, 34, 204.	0.5	8
170	<title>Performance of feedback and feedforward arrayed-waveguide-gratings-based optical packet switches with WDM inputs/outputs</title>. , 1998, , .		1
171	<title>Designing an optimum WDM transport network: control architectures, node requirements, and performance</title>. , 1998, , .		3
172	<title>Low-loss optical packet synchronization architecture</title>. , 1998, , .		1
173	<title>Coherent optical pulse CDMA systems based on I-Q noncoherent demodulation of M-ary orthogonal signals</title>. , 1998, 3531, 61.		0
174	<title>Interferometric noise analysis in coherence-multiplexed optical fiber communication systems for local area networks</title>. , 1998, , .		0
175	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
176	New code for communications network fault finding using a spread spectrum approach. Optics Communications, 1997, 133, 39-42.	1.0	0
177	Noise Analysis in Coherence-Multiplexed Optical Fiber Communication Systems. Optical Fiber Technology, 1997, 3, 21-27.	1.4	2
178	Massive optical LANs using wavelength hopping/time spreading with increased security. IEEE Photonics Technology Letters, 1996, 8, 935-937.	1.3	34
179	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
180	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

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181	<title>Simplified routing and wavelength assignment in multifiber WDM grid networks</title>. , 1996, 2919, 190.		2
182	Interferometric noise reduction through intrabit frequency evolution of directly modulated DFB lasers. Journal of Lightwave Technology, 1996, 14, 2117-2125.	2.7	9
183	Interferometric noise for a single interferer: comparison between theory and experiment. Electronics Letters, 1996, 32, 1501.	0.5	19
184	<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
185	Optical crystal based devices for current and voltage measurement. IEEE Transactions on Power Delivery, 1995, 10, 1217-1223.	2.9	48
186	<title>Hybrid wavelength hopping/time spreading code division multiple access systems</title>. , 1995, , .		1
187	Sequence dependence of phase-induced intensity noise in optical networks that employ direct modulation. Optics Letters, 1995, 20, 359.	1.7	8
188	Secure optical network architectures utilizing wavelength hopping/time spreading codes. IEEE Photonics Technology Letters, 1995, 7, 573-575.	1.3	39
189	Interferometric noise reduction in crosstalk corrupted optical WDM and TDM switching fabrics. IEEE Photonics Technology Letters, 1995, 7, 1213-1215.	1.3	2
190	New unipolar codes allowing electrooptical correlation utilizing a semiconductor laser amplifier. IEEE Photonics Technology Letters, 1995, 7, 1456-1458.	1.3	5
191	Demonstration of optical timeslot interchanging through 2 Ã— 2 crosspoints and feedforward delay lines. Electronics Letters, 1994, 30, 875.	0.5	7
192	Incoherent asynchronous optical CDMA using gold codes. Electronics Letters, 1994, 30, 721-723.	0.5	21
193	Wavelength hopping/time spreading code division multiple access systems. Electronics Letters, 1994, 30, 1388-1390.	0.5	154
194	Block multiplexing codes for optical ladder network correlators. IEEE Photonics Technology Letters, 1994, 6, 309-311.	1.3	2
195	Inter-channel crosstalk phenomena in optical time division multiplexed switching networks. IEEE Photonics Technology Letters, 1994, 6, 661-663.	1.3	53
196	Incoherent all-optical code recognition with balanced detection. Journal of Lightwave Technology, 1994, 12, 1073-1080.	2.7	13
197	Fiber-optic edge-enhancement network. Optics Letters, 1993, 18, 284.	1.7	1
198	<title>Fiber optic intensity modulator using multimode electro-optic polymeric overlay</title>. , 1993, , .		1

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199	‹title›Performance of silica-on-silicon waveguides for optical signal processing‹/title›. , 1993, , .		1
200	‹title›Effect on gyro drift with an in-loop polarizer in an optical passive ring resonator‹/title›. , 1992, 1585, 136.		3
201	‹title›Architectures for optical TDM switching‹/title›. , 1992, 1787, 204.		0
202	Sideband generation through perturbations to the average soliton model. Journal of Lightwave Technology, 1992, 10, 1329-1333.	2.7	126
203	‹title›Improvement in the performance of evanescent wave chemical sensors by special waveguide structures‹/title›. , 1991, , .		1
204	Referencing systems for evanescent wave sensors. , 1990, , .		5
205	Programmable fiber/integrated-optics bipolar tap. Optics Letters, 1989, 14, 895.	1.7	0
206	Fiber-optic bipolar tap implementation using an incoherent optical source. Optics Letters, 1987, 12, 726.	1.7	4
207	Fiber-optic matrix multiplier using a two-dimensional systolic-array architecture. Optics Letters, 1987, 12, 959.	1.7	5
208	Fibre-optic multichannel correlation/convolution. Electronics Letters, 1987, 23, 310.	0.5	2
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210	Perturbation analysis for the design of an optically controlled fiber-optic directional coupler. Optics Letters, 1986, 11, 540.	1.7	12
211	Fabrication of periodic Ti:LiNbO3 waveguides by single and double diffusion. Applied Physics Letters, 1983, 43, 19-21.	1.5	7
212	Code tracking in optical pulse CDMA through coherent correlation demodulation. , 0, , .		8
213	Optical packet switches: a comparison of designs. , 0, , .		5