

Ampalavanapillai Nirmalathas

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1114520/ampalavanapillai-nirmalathas-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

258
papers

3,092
citations

27
h-index

42
g-index

378
ext. papers

4,011
ext. citations

3.1
avg, IF

5.43
L-index

#	Paper	IF	Citations
258	4G to 6G: disruptions and drivers for optical access [Invited]. <i>Journal of Optical Communications and Networking</i> , 2022 , 14, A143	4.1	2
257	Comparison of Adaptive Equalization Methods for Improving Indoor Optical Wireless Communications Employing Few-mode Based Uniform Beam Shaping. <i>Journal of Lightwave Technology</i> , 2022 , 1-1	4	
256	IoT Device Integration and Payment via an Autonomic Blockchain-Based Service for IoT Device Sharing.. <i>Sensors</i> , 2022 , 22,	3.8	2
255	Intelligent Radio Resource Allocation for Human-Robot Collaboration. <i>IEEE Open Journal of the Communications Society</i> , 2022 , 1-1	6.7	0
254	Indoor optical wireless access networksRecent progress [Invited]. <i>Journal of Optical Communications and Networking</i> , 2021 , 13, A178	4.1	2
253	Few-Mode Based Beam Shaping for Multi-User Indoor Optical Wireless Communications With Time-Slot Coding. <i>IEEE Photonics Journal</i> , 2021 , 1-1	1.8	
252	Optical Wireless Communications Using Signal Space Diversity with Spatial Modulation. <i>Photonics</i> , 2021 , 8, 468	2.2	2
251	Energy-Aware Routing for Software-Defined Multihop Wireless Sensor Networks. <i>IEEE Sensors Journal</i> , 2021 , 21, 10174-10182	4	15
250	Universal optical network architecture for future wireless LANs [Invited]. <i>Journal of Optical Communications and Networking</i> , 2021 , 13, D93	4.1	1
249	Radio-Over-Fiber Technology: Present and Future. <i>Journal of Lightwave Technology</i> , 2021 , 39, 881-888	4	12
248	CMY camera using a nanorod filter mosaic integrated on a CMOS image sensor. <i>OSA Continuum</i> , 2021 , 4, 229	1.4	1
247	Study on the impact of clustering for non-orthogonal multiple access based on multilevel code for radio-over-fiber fronthaul application. <i>Journal of Optical Communications and Networking</i> , 2021 , 13, 25	4.1	0
246	Best optimizer selection for predicting bushfire occurrences using deep learning. <i>Natural Hazards</i> , 2020 , 103, 845-860	3	8
245	Optical Wireless Communications Adopting Delay-Tolerant Repetition-Coding With Orthogonal-Filters and On-Demand Equalization. <i>Journal of Lightwave Technology</i> , 2020 , 38, 4250-4259	4	3
244	Estimating Video Popularity From Past Request Arrival Times in a VoD System. <i>IEEE Access</i> , 2020 , 8, 19934-19947	3.5	19947
243	Comparison of Optical Transport Technologies for Centralized Radio Access Network Using Optical Ground Wire. <i>IEICE Transactions on Communications</i> , 2020 , E103.B, 1240-1248	0.5	
242	Indoor Optical Wireless Communications using Few-mode Based Uniform Beam Shaping and LMS Based Adaptive Equalization 2020 ,		3

241	Demonstration of High-speed Indoor Optical Wireless Communications using Few-mode Based Uniform Beam Shaping 2020 ,			1
240	A Software-Defined Management System for IP-Enabled WSNs. <i>IEEE Systems Journal</i> , 2020 , 14, 2335-2346	3	3	4
239	. <i>IEEE Systems Journal</i> , 2020 , 14, 4653-4662	4.3		8
238	Mobility-Aware Energy Optimization in Hosts Selection for Computation Offloading in Multi-Access Edge Computing. <i>IEEE Open Journal of the Communications Society</i> , 2020 , 1, 1056-1065	6.7		6
237	Hybrid Color Filters for Multispectral Imaging. <i>Advanced Theory and Simulations</i> , 2020 , 3, 2000137	3.5		4
236	A single sensor based multispectral imaging camera using a narrow spectral band color mosaic integrated on the monochrome CMOS image sensor. <i>APL Photonics</i> , 2020 , 5, 046104	5.2		18
235	Advancements towards Global IoT Device Discovery and Integration 2019 ,			7
234	A Feasibility Study of IEEE 802.11 HCCA for Low-Latency Applications. <i>IEEE Transactions on Communications</i> , 2019 , 67, 4928-4938	6.9		3
233	Optical Transport Network Design for 5G Fixed Wireless Access. <i>Journal of Lightwave Technology</i> , 2019 , 37, 3893-3901	4		12
232	Modeling the Total Energy Consumption of Mobile Network Services and Applications. <i>Energies</i> , 2019 , 12, 184	3.1		35
231	A Predictive Semi-Persistent Scheduling Scheme for Low-Latency Applications in LTE and NR Networks 2019 ,			4
230	Performance Analysis of Repetition-Coding and Space-Time-Block-Coding as Transmitter Diversity Schemes for Indoor Optical Wireless Communications. <i>Journal of Lightwave Technology</i> , 2019 , 37, 5170-5177	4.1	4	15
229	A Fully Printed Backscatter Radio Transceiver 2019 ,			1
228	A Novel Network Architecture for Indoor Optical Wireless Communication 2019 ,			2
227	Delay-Tolerant Repetition-Coding for Optical Wireless Communications 2019 ,			1
226	MAC protocol for indoor optical wireless networks. <i>IET Communications</i> , 2019 , 13, 3158-3167	1.3		1
225	2019 ,			1
224	Demonstration of Optical Wireless Communications using Spatial Modulation with Signal Space Diversity 2019 ,			1

223	Direct Electrohydrodynamic Patterning of High-Performance All Metal Oxide Thin-Film Electronics. <i>ACS Nano</i> , 2019 , 13, 13957-13964	16.7	22
222	. <i>IEEE Access</i> , 2019 , 7, 148-159	3.5	15
221	Evolution of Radio-Over-Fiber Technology. <i>Journal of Lightwave Technology</i> , 2019 , 37, 1647-1656	4	62
220	5G C-RAN With Optical Fronthaul: An Analysis From a Deployment Perspective. <i>Journal of Lightwave Technology</i> , 2018 , 36, 2059-2068	4	81
219	Hierarchical aggregation method for a scalable implementation of demand side management. <i>Computers and Operations Research</i> , 2018 , 96, 188-199	4.6	5
218	Optical X-haul options for 5G fixed wireless access: Which one to choose? 2018 ,		5
217	High-speed indoor optical wireless communication system employing a silicon integrated photonic circuit. <i>Optics Letters</i> , 2018 , 43, 3132-3135	3	24
216	Dynamic Tuning of Contention Window for Optical Wireless Networks 2018 ,		2
215	Demonstration of Non-Orthogonal Multiple Access Scheme using Multilevel Coding without Successive Interference Cancellation with 60 GHz Radio-over-Fiber Fronthaul 2018 ,		11
214	Design and Planning for Fiber-Based Small Cell Backhauling 2018 ,		2
213	Evolution of Radio-Over-Fiber Technologies: Past and Present 2018 ,		2
212	Predicting the mean first passage time (MFPT) to reach any state for a passive dynamic walker with steady state variability. <i>PLoS ONE</i> , 2018 , 13, e0207665	3.7	1
211	Transmission Enhancement in Coaxial Hole Array Based Plasmonic Color Filter for Image Sensor Applications. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-9	1.8	9
210	Multi-cell coordination for 60 GHz RoF fronthaul enabled by a non-orthogonal multiple access scheme without successive interference cancellation. <i>Optics Letters</i> , 2018 , 43, 4236-4239	3	2
209	A software-defined networking framework for IoT based on 6LoWPAN 2018 ,		6
208	Coordinated Multi-point (CoMP) Systems. <i>Optical Networks Series</i> , 2017 , 337-358		
207	An Energy-Efficient Miniaturized Intracranial Pressure Monitoring System. <i>IEEE Journal of Solid-State Circuits</i> , 2017 , 52, 720-734	5.5	25
206	Dynamic scheduling algorithm for LTE uplink with smart-metering traffic. <i>Transactions on Emerging Telecommunications Technologies</i> , 2017 , 28, e3163	1.9	2

205	Space-Time-Coded High-Speed Reconfigurable Card-to-Card Free-Space Optical Interconnects. <i>Journal of Optical Communications and Networking</i> , 2017 , 9, A189	4.1	5
204	Hybrid Fiber-Wireless Network: An Optimization Framework for Survivable Deployment. <i>Journal of Optical Communications and Networking</i> , 2017 , 9, 466	4.1	18
203	Analysis of large flood events: Based on flood data during 1985-2016 in Australia and India. <i>International Journal of Disaster Risk Reduction</i> , 2017 , 24, 1-11	4.5	39
202	Transport schemes for fiber-based fronthaul for transporting 60 GHz wireless signals 2017 ,		1
201	60 GHz Analog Radio-Over-Fiber Fronthaul Investigations. <i>Journal of Lightwave Technology</i> , 2017 , 35, 4304-4310	4	25
200	Time-Slot Coding Scheme With Adaptive Loading Function for Multiple Access in Indoor Optical Wireless Communications. <i>Journal of Lightwave Technology</i> , 2017 , 35, 4079-4086	4	3
199	A 60-GHz Radio-Over-Fiber Fronthaul Using Integrated Microwave Photonics Filters. <i>IEEE Photonics Technology Letters</i> , 2017 , 29, 1663-1666	2.2	13
198	Silicon Integrated Optical Isolator With Dynamic Non-Reciprocity. <i>IEEE Photonics Technology Letters</i> , 2017 , 29, 1261-1264	2.2	3
197	Performance evaluation of CoMP for downlink 60-GHz radio-over-fiber fronthaul 2017 ,		3
196	Hybrid Coordination Function Controlled Channel Access for Latency-Sensitive Tactile Applications 2017 ,		8
195	IEEE 802.11 HCCA for tactile applications 2017 ,		5
194	Secure multiple access for indoor optical wireless communications with time-slot coding and chaotic phase. <i>Optics Express</i> , 2017 , 25, 22046-22054	3.3	9
193	Indoor infrared optical wireless localization system with background light power estimation capability. <i>Optics Express</i> , 2017 , 25, 22923-22931	3.3	20
192	5G C-RAN architecture: A comparison of multiple optical fronthaul networks 2017 ,		21
191	Multi-gigabit indoor optical wireless networks [Feasibility and challenges 2016 ,		4
190	Optical wireless communications for high-speed in-building personal area networks 2016 ,		1
189	Network Energy Consumption Assessment of Conventional Mobile Services and Over-the-Top Instant Messaging Applications. <i>IEEE Journal on Selected Areas in Communications</i> , 2016 , 34, 3168-3180	14.2	11
188	Four-Wave-Mixing-Based Silicon Integrated Optical Isolator With Dynamic Non-Reciprocity. <i>IEEE Photonics Technology Letters</i> , 2016 , 28, 1739-1742	2.2	12

187	All-Graphene Planar Double-Quantum-Dot Resonant Tunneling Diodes. <i>IEEE Journal of the Electron Devices Society</i> , 2016 , 4, 30-39	2.3	8
186	Tuneable graphene nanopores for single biomolecule detection. <i>Nanoscale</i> , 2016 , 8, 10066-77	7.7	16
185	Telecommunications energy and greenhouse gas emissions management for future network growth. <i>Applied Energy</i> , 2016 , 166, 174-185	10.7	4
184	Optical Wireless-Based Indoor Localization System Employing a Single-Channel Imaging Receiver. <i>Journal of Lightwave Technology</i> , 2016 , 34, 1141-1149	4	17
183	. <i>IEEE Photonics Technology Letters</i> , 2016 , 28, 790-793	2.2	32
182	Radio-Over-Fiber Technologies for Emerging Wireless Systems. <i>IEEE Journal of Quantum Electronics</i> , 2016 , 52, 1-11	2	115
181	Time-slot coding scheme for multiple access in indoor optical wireless communications. <i>Optics Letters</i> , 2016 , 41, 5166-5169	3	4
180	MFPT calculation for random walks in inhomogeneous networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016 , 462, 986-1002	3.3	3
179	Performance Enhanced Butt Coupling for Effective Interconnection Between Fiber and Silicon Nanowire. <i>IEEE Journal of Quantum Electronics</i> , 2016 , 52, 1-6	2	8
178	Experimental demonstration of a novel indoor optical wireless localization system for high-speed personal area networks. <i>Optics Letters</i> , 2015 , 40, 1246-9	3	15
177	Review of physical layer networking for optical-wireless integration. <i>Optical Engineering</i> , 2015 , 55, 0311131	131	5
176	Cost-Optimal Placement and Backhauling of Small-Cell Networks. <i>Journal of Lightwave Technology</i> , 2015 , 33, 3850-3857	4	25
175	Highly Effective Conductance Modulation in Planar Silicene Field Effect Devices Due to Buckling. <i>Scientific Reports</i> , 2015 , 5, 14815	4.9	9
174	Experimental Demonstration of Optical Wireless Indoor Localization System with Background Light Power Estimation 2015 ,		2
173	Experimental demonstration of space-time-coded robust high-speed indoor optical wireless communication system 2015 ,		1
172	Microwave Photonics-Double Magic [From the Guest Editor's Desk]. <i>IEEE Microwave Magazine</i> , 2015 , 16, 24-26	1.2	
171	Photonics for Gigabit Wireless Networks 2015 ,		2
170	Recirculating Frequency Shifter-Based Hybrid Electro-Optic Probing System with Ultra-Wide Bandwidth. <i>IEICE Transactions on Electronics</i> , 2015 , E98.C, 857-865	0.4	1

169	All-graphene planar self-switching MISFEDs, Metal-Insulator-Semiconductor Field-Effect Diodes. <i>Scientific Reports</i> , 2014 , 4, 3983	4.9	34
168	Asymmetrically-gated graphene self-switching diodes as negative differential resistance devices. <i>Nanoscale</i> , 2014 , 6, 7628-34	7.7	22
167	All-Graphene Planar Double Barrier Resonant Tunneling Diodes. <i>IEEE Journal of the Electron Devices Society</i> , 2014 , 2, 118-122	2.3	14
166	A flexible wide bandwidth electro-optic probing system using a recirculating frequency shifter 2014 ,		2
165	Transport Schemes for Fiber-Wireless Technology: Transmission Performance and Energy Efficiency. <i>Photonics</i> , 2014 , 1, 67-82	2.2	6
164	Experimental demonstration of free-space based 120 Gb/s reconfigurable card-to-card optical interconnects. <i>Optics Letters</i> , 2014 , 39, 5717-20	3	5
163	Analysis of ip-based communication backbone over shared wide area-network for Smart Grid applications 2014 ,		1
162	Digitized RF over Fiber Systems 2014 ,		1
161	Free-Space 120 Gb/s Reconfigurable Card-to-Card Optical Wireless Interconnects with 16-CAP Modulation 2014 ,		3
160	Wireless signals transport in fiber-wireless links: Digitized versus analog 2014 ,		2
159	An Efficient Resource Allocation Mechanism for LTE/EPON Converged Networks. <i>Journal of Network and Systems Management</i> , 2014 , 22, 437-461	2.1	7
158	Experimental demonstration of high-speed reconfigurable card-to-card optical interconnects with broadcast capability 2013 ,		1
157	Converged fiber-wireless access networks for next generation mobile backhaul enabling CoMP 2013 ,		4
156	Performance of High-Speed Reconfigurable Free-Space Card-to-Card Optical Interconnects Under Air Turbulence. <i>Journal of Lightwave Technology</i> , 2013 , 31, 1687-1693	4	8
155	Balanced heterodyne architecture for improving the noise performance of electro-optic probing systems 2013 ,		2
154	Methodologies for assessing the use-phase power consumption and greenhouse gas emissions of telecommunications network services. <i>Environmental Science & Technology</i> , 2013 , 47, 485-92	10.3	29
153	Digitized RF-over-fiber as a cost-effective and energy-efficient backhaul option for wireless communications. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2013 , 68, 23-39	2	5
152	Graphene Self Switching Diodes with high rectification ratios 2013 ,		5

151	Experimental demonstration of high-speed free-space reconfigurable card-to-card optical interconnects. <i>Optics Express</i> , 2013 , 21, 2850-61	3.3	14
150	High-speed free-space based reconfigurable card-to-card optical interconnects with broadcast capability. <i>Optics Express</i> , 2013 , 21, 15395-400	3.3	9
149	High-speed reconfigurable card-to-card optical interconnects based on hybrid free-space and multi-mode fiber propagations. <i>Optics Express</i> , 2013 , 21, 31166-75	3.3	2
148	Architecture Discovery Enabled Resource Allocation Mechanism for Next Generation Optical-Wireless Converged Networks. <i>Journal of Optical Communications and Networking</i> , 2013 , 5, 1083 ^{4.1}		6
147	High-Speed Full-Duplex Optical Wireless Communication System with Single Channel Imaging Receiver for Personal Area Networks. <i>IEICE Transactions on Electronics</i> , 2013 , E96.C, 180-186	0.4	
146	Differential group delay monitoring for high-speed data based on a low-frequency radio-frequency tone power measurement. <i>IET Optoelectronics</i> , 2012 , 6, 102	1.5	
145	Impact of Crosstalk on Indoor WDM Optical Wireless Communication Systems. <i>IEEE Photonics Journal</i> , 2012 , 4, 375-386	1.8	8
144	. <i>IEEE Photonics Journal</i> , 2012 , 4, 1407-1419	1.8	12
143	Performance of reconfigurable free-space card-to-card optical interconnects under atmospheric turbulence 2012 ,		1
142	Multilevel Modulations for Gigabit Access in a Simple Millimeter-Wave Radio-Over-Fiber Link. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 1860-1863	2.2	4
141	Digitized RF-over-Fiber for efficient fiber-wireless signal transport 2012 ,		2
140	Simplified Generation, Transport, and Data Recovery of Millimeter-Wave Signal in a Full-Duplex Bidirectional Fiber-Wireless System. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 1428-1430	2.2	11
139	Next generation optical-wireless converged network architectures. <i>IEEE Network</i> , 2012 , 26, 22-27	11.4	46
138	Indoor optical wireless localization system with height estimation for high-speed wireless communications in personal areas 2012 ,		1
137	. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 188-190	2.2	23
136	High-Speed Indoor Optical Wireless Communication System with a Steering Mirror Based Up-Link Receiver 2012 ,		2
135	Multilevel Intensity Modulations for Simplified Full-Duplex Millimeter-Wave Radio-Over-Fiber System for Gigabit Access. <i>IEEE Photonics Journal</i> , 2012 , 4, 1956-1972	1.8	7
134	Simplification of millimeter-wave radio-over-fiber system employing heterodyning of uncorrelated optical carriers and self-homodyning of RF signal at the receiver. <i>Optics Express</i> , 2012 , 20, 5707-24	3.3	18

133	High-speed indoor optical wireless communication system with single channel imaging receiver. <i>Optics Express</i> , 2012 , 20, 8442-56	3-3	21
132	High-speed indoor optical wireless communication system with single channel imaging receiver: erratum. <i>Optics Express</i> , 2012 , 20, 25356	3-3	
131	OFDM Versus Single Carrier Towards Spectrally Efficient 100 Gb/s Transmission With Direct Detection. <i>Journal of Optical Communications and Networking</i> , 2012 , 4, 779	4-1	7
130	Experimental demonstration of 3B 10 Gb/s reconfigurable free space optical card-to-card interconnects. <i>Optics Letters</i> , 2012 , 37, 2553-5	3	7
129	Ultra-broadband indoor optical wireless communication system with multimode fiber. <i>Optics Letters</i> , 2012 , 37, 1514-6	3	6
128	A Full-Duplex Digitized RoF System for Millimeter-Wave OFDM Transmission 2012 ,		4
127	Localized P2P VoD Delivery Scheme with Pre-Fetching for Broadband Access Networks 2011 ,		3
126	. <i>Journal of Lightwave Technology</i> , 2011 , 29, 1988-1996	4	66
125	Cost-Effective Introduction and Energy-Efficient Operation of Long-Reach WDM/TDM PON Systems. <i>Journal of Lightwave Technology</i> , 2011 , 29, 3135-3143	4	15
124	Single-Channel Directly Detected Optical-OFDM Towards Higher Spectral Efficiency and Simplicity in 100 Gb/s Ethernet and Beyond. <i>Journal of Optical Communications and Networking</i> , 2011 , 3, 426	4-1	7
123	Scalable and Spectrally Efficient Long-Reach Optical Access Networks Employing Frequency Interleaved Directly Detected Optical OFDM. <i>Journal of Optical Communications and Networking</i> , 2011 , 3, 881	4-1	8
122	2011 ,		6
121	Indoor gigabit full-duplex optical wireless communication system with SCM based multiple-user access 2011 ,		2
120	2011 ,		1
119	Quality of service assurance in EPON-WiMAX converged network 2011 ,		4
118	Impact of background light induced shot noise in high-speed full-duplex indoor optical wireless communication systems. <i>Optics Express</i> , 2011 , 19, 21321-32	3-3	14
117	Energy efficiency of on-demand video caching systems and user behavior. <i>Optics Express</i> , 2011 , 19, B260-9	3-3	7
116	Local-Traffic-Redirection-Based Dynamic Bandwidth Assignment Scheme for EPON With Active Forwarding Remote Repeater Node. <i>Journal of Optical Communications and Networking</i> , 2011 , 3, 245	4-1	13

115	Improving Energy Efficiency of Video on Demand Services. <i>Journal of Optical Communications and Networking</i> , 2011 , 3, 870	4.1	12
114	Experimental Demonstration of Multi-Service Hybrid Fiber-Radio System Using Digitized RF-Over-Fiber Technique. <i>Journal of Lightwave Technology</i> , 2011 , 29, 2131-2137	4	16
113	Millimeter-Wave Radio-Over-Fiber System Based on Heterodyned Unlocked Light Sources and Self-Homodyned RF Receiver. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 459-461	2.2	13
112	. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 519-521	2.2	69
111	100 Gb/s 1024-way-split 100-km long-reach PON using spectrally efficient frequency interleaved directly detected optical OFDM 2011 ,		2
110	High-Speed Full-Duplex Optical Wireless Communication Systems for Indoor Applications 2011 ,		2
109	Popularity-Aware Caching Algorithm for Video-on-Demand Delivery over Broadband Access Networks 2010 ,		10
108	Frequency interleaved directly detected optical OFDM for next-generation optical access networks 2010 ,		3
107	Frequency interleaving towards spectrally efficient directly detected optical OFDM for next-generation optical access networks. <i>Optics Express</i> , 2010 , 18, 23161-72	3.3	5
106	High-speed duplex optical wireless communication system for indoor personal area networks. <i>Optics Express</i> , 2010 , 18, 25199-216	3.3	44
105	Remote Repeater-Based EPON With MAC Forwarding for Long-Reach and High-Split-Ratio Passive Optical Networks. <i>Journal of Optical Communications and Networking</i> , 2010 , 2, 28	4.1	9
104	Gigabit optical wireless communication system for indoor applications 2010 ,		3
103	Spectrally-efficient 100 Gb/s transmission in next-generation optical access networks employing directly detected optical-OFDM 2010 ,		1
102	Signal generation schemes for millimeter-wave radio-over-fiber system based on heterodyned unlocked light sources and RF homodyned receiver 2010 ,		1
101	Indoor gigabit optical wireless communication system for personal area networks 2010 ,		5
100	Multichannel Digitized RF-Over-Fiber Transmission Based on Bandpass Sampling and FPGA. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010 , 58, 3181-3188	4.1	15
99	Digitized Radio-Over-Fiber Technologies for Converged Optical Wireless Access Network. <i>Journal of Lightwave Technology</i> , 2010 , 28, 2366-2375	4	53
98	Gigabit Optical Wireless Communication System for Indoor Applications 2010 ,		1

97	115.2 Gb/s optical OFDM transmission with 4 bit/s/Hz spectral efficiency using IEEE 802.11a OFDM PHY 2009 ,		2
96	Cost-effective optical backhaul for broadband wireless 2009 ,		2
95	OSNR-independent chromatic dispersion monitoring on 40Gb/s DPSK signals using two RF filters 2009 ,		1
94	Optical Tandem Single-Sideband-Based WDM Interface for Millimeter-Wave Fiber-Radio Multisector Antenna Base Station. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2009 , 57, 725-732	4.1	10
93	Optical Layer Local Area Network Emulation in a Multifunctional Repeater-Based Optical Access Network. <i>Journal of Optical Communications and Networking</i> , 2009 , 1, 43	4.1	3
92	Mitigation strategy for transmission impairments in millimeter-wave radio-over-fiber networks [Invited]. <i>Journal of Optical Networking</i> , 2009 , 8, 201		32
91	Spectrally efficient hybrid multiplexing and demultiplexing schemes toward the integration of microwave and millimeter-wave radio-over-fiber systems in a WDM-PON infrastructure. <i>Journal of Optical Networking</i> , 2009 , 8, 462		2
90	Design and Analysis of Digitized RF-Over-Fiber Links. <i>Journal of Lightwave Technology</i> , 2009 , 27, 2052-2061		46
89	Simple VCSEL Base-Station Configuration for Hybrid Fiber-Wireless Access Networks. <i>IEEE Photonics Technology Letters</i> , 2009 , 21, 534-536	2.2	4
88	Experimental Demonstration of the Transport of Digitized Multiple Wireless Systems Over Fiber. <i>IEEE Photonics Technology Letters</i> , 2009 , 21, 691-693	2.2	4
87	Bit-Rate Identification Using Asynchronous Delayed Sampling. <i>IEEE Photonics Technology Letters</i> , 2009 , 21, 893-895	2.2	11
86	Local traffic prediction-based bandwidth allocation scheme in EPON with active forwarding remote repeater node 2009 ,		2
85	Multiple secure virtual private networks over passive optical networks using electronic CDMA 2009 ,		2
84	Digitized RF transmission over fiber. <i>IEEE Microwave Magazine</i> , 2009 , 10, 75-81	1.2	37
83	Performance Comparison of Directly Modulated VCSEL and DFB Lasers in Wired-Wireless Networks. <i>IEEE Photonics Technology Letters</i> , 2008 , 20, 2102-2104	2.2	9
82	Internetworking VCSEL-Based Hybrid Base Station Towards Simultaneous Wireless and Wired Transport for Converged Access Network. <i>IEEE Photonics Technology Letters</i> , 2008 , 20, 569-571	2.2	5
81	Multifunctional Optical Interface for Fiber-Radio Systems in Heterogeneous Access Networks. <i>Journal of Lightwave Technology</i> , 2008 , 26, 2857-2864	4	1
80	Upstream access and local area networking in passive optical networks with a single reflective semiconductor optical amplifier. <i>Journal of Optical Networking</i> , 2008 , 7, 513		1

79	Wavelength switchable base station architecture supporting upstream access and local internetworking with a single self-seeded reflective semiconductor optical amplifier 2008 ,		1
78	Investigating the performance of star-tree and ring-bus fibre-radio networks incorporated with cascaded WDM optical interfaces 2008 ,		1
77	Impact of chromatic dispersion on 60 GHz radio-over-fiber transmission 2008 ,		10
76	Active Remote Node with Layer Two Forwarding for Improving Performance of EPON 2008 ,		4
75	Multi-services distribution using power-efficient low-cost VCSELs 2008 ,		1
74	Experimental demonstration of digitized RF transport over optical fiber links 2008 ,		8
73	Performance analysis of electronic code division multiple access based virtual private networks over passive optical networks. <i>Optics Communications</i> , 2008 , 281, 1671-1678	2	2
72	Efficient Transmission Scheme for AWG-Based DWDM Millimeter-Wave Fiber-Radio Systems. <i>IEEE Photonics Technology Letters</i> , 2007 , 19, 206-208	2.2	11
71	Tunable All-Optical Wavelength Conversion of 160-Gb/s RZ Optical Signals by Cascaded SFG-DFG Generation in PPLN Waveguide. <i>IEEE Photonics Technology Letters</i> , 2007 , 19, 384-386	2.2	51
70	Investigation of Performance Enhancement of WDM Optical Interfaces for Millimeter-Wave Fiber-Radio Networks. <i>IEEE Photonics Technology Letters</i> , 2007 , 19, 843-845	2.2	2
69	Generation and Separation of Closely Separated Dual Baseband Channels for Provisioning of Independent Services in WDM-PON. <i>IEEE Photonics Technology Letters</i> , 2007 , 19, 1215-1217	2.2	4
68	Upstream Access and Local Area Networking in Passive Optical Networks Using Self-Seeded Reflective Semiconductor Optical Amplifier. <i>IEEE Photonics Technology Letters</i> , 2007 , 19, 1559-1561	2.2	12
67	Video Service Delivery Over a Repeater-Based Optical Access Network. <i>IEEE Photonics Technology Letters</i> , 2007 , 19, 1637-1639	2.2	0
66	Upstream access and local customer networking in passive optical networks using a single wavelength-seeded reflective semiconductor optical amplifier. <i>Optics Communications</i> , 2007 , 273, 246-251		2
65	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2007 , 55, 176-184	4.1	1
64	Laser-free operation of customer unit with local area network emulation in passive optical networks facilitated by reflective semiconductor optical amplifier. <i>Electronics Letters</i> , 2007 , 43, 407	1.1	3
63	Source-free Inter-networking Hybrid Base Stations towards the Convergence of Wireless and Wireline Access Networks 2007 ,		1
62	Optical Interface for IMD Reduction in Fiber-Radio Systems with Simultaneous Baseband Transmission for Heterogeneous Access Networks 2007 ,		2

61	Performance analysis of electronic code-division multiple-access control signaling for WDM packet networks. <i>Journal of Optical Networking</i> , 2007 , 6, 380		
60	Increasing upstream capacity in TDM-PON with multiple-wavelength transmission using Fabry-Perot laser diodes. <i>Optics Express</i> , 2007 , 15, 10247-52	3-3	8
59	Intermodulation Distortion Improvement for FiberRadio Applications Incorporating OSSB+C Modulation in an Optical Integrated-Access Environment. <i>Journal of Lightwave Technology</i> , 2007 , 25, 1602-1612	4	89
58	Inter-networking, VCSEL-Based Low-Cost Hybrid Base Stations Towards the Integration of Wireless and Wireline Access Networks 2007 ,		3
57	Analysis of optical carrier-to-sideband ratio for improving transmission performance in fiber-radio links. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2006 , 54, 2181-2187	4-1	118
56	Investigation of Intermodulation Distortion Reduction Technique for Multi-Channel Fiber-Radio Transmission in Heterogeneous Access Networks 2006 ,		1
55	Performance analysis of optimized millimeter-wave fiber radio links. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2006 , 54, 921-928	4-1	43
54	Upstream Transmission and Local Networking in Passive Optical Networks with a single RSOA 2006 ,		1
53	Analytical Characterization of Optical Pulse Propagation in Polarization-Sensitive Semiconductor Optical Amplifiers. <i>IEEE Journal of Quantum Electronics</i> , 2006 , 42, 1062-1077	2	16
52	Experimental characterization of single and cascaded WDM optical interfaces in a MM-wave fiber-radio network. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 115-117	2-2	8
51	Performance of WDM fiber-radio network using distributed Raman amplifier. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 553-555	2-2	2
50	Implementation of multiple secure virtual private networks over passive optical networks using electronic CDMA. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 484-486	2-2	17
49	Packet labeling technique using electronic code-division multiple-access for WDM packet-based access networks. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 607-609	2-2	2
48	WDM passive optical network with subcarrier transmission and baseband detection scheme for laser-free optical network units. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 1279-1281	2-2	13
47	Multiple Virtual Private Networks Over Passive Optical Networks Using RF Subcarrier Multiplexing and Fabry-Perot Laser Diodes. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 2044-2046	2-2	2
46	Hybrid Multiplexing of Multiband Optical Access Technologies Towards an Integrated DWDM Network. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 2311-2313	2-2	38
45	Technique to improve carrier-to-interference ratio of optical single sideband with carrier modulated signals. <i>Optics Express</i> , 2006 , 14, 11077-81	3-3	3
44	Extending optical transmission distance in fiber wireless links using passive filtering in conjunction with optimized modulation. <i>Journal of Lightwave Technology</i> , 2006 , 24, 1703-1709	4	27

43	Protection switching and local area network emulation in passive optical networks. <i>Journal of Lightwave Technology</i> , 2006 , 24, 1955-1967	4	18
42	Generalized analysis of subcarrier multiplexing in dispersive fiber-optic links using Mach-Zehnder external modulator. <i>Journal of Lightwave Technology</i> , 2006 , 24, 2296-2304	4	9
41	Simultaneous multiplexing and demultiplexing of wavelength-interleaved channels in DWDM millimeter-wave fiber-radio networks. <i>Journal of Lightwave Technology</i> , 2006 , 24, 3341-3352	4	24
40	Hybrid multiplexing towards the integration of millimeter-wave fiber-radio systems in DWDM access networks 2005 ,		2
39	Dispersion-tolerant multiple WDM channel millimeter-wave signal generation using a single monolithic mode-locked semiconductor laser. <i>Journal of Lightwave Technology</i> , 2005 , 23, 295-303	4	11
38	Multifunctional WDM optical interface for Millimeter-wave fiber-radio antenna base station. <i>Journal of Lightwave Technology</i> , 2005 , 23, 1210-1218	4	25
37	Novel schemes for local area network emulation in passive optical networks with RF subcarrier multiplexed customer traffic. <i>Journal of Lightwave Technology</i> , 2005 , 23, 2974-2983	4	22
36	Transmission improvement in fiber wireless links using fiber Bragg gratings. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 190-192	2.2	103
35	A novel local area network emulation technique on passive optical networks. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 1121-1123	2.2	19
34	An exact analytical model for dispersive transmission in microwave fiber-optic links using Mach-Zehnder external modulator. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 1525-1527	2.2	18
33	Power equalization using polarization rotation in semiconductor optical amplifiers. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 1695-1697	2.2	9
32	Efficient multiplexing scheme for wavelength-interleaved DWDM millimeter-wave fiber-radio systems. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 2718-2720	2.2	20
31	Impact of optical pulse shape on the performance of Long-Haul high capacity DWDM systems. <i>Optics Communications</i> , 2004 , 234, 217-227	2	3
30	FBG-based optical interface to support a multisector antenna in a spectrally efficient fiber radio system. <i>IEEE Photonics Technology Letters</i> , 2004 , 16, 254-256	2.2	2
29	Multichannel dual-mode-based optical pulse source from a single laser diode. <i>IEEE Photonics Technology Letters</i> , 2004 , 16, 894-896	2.2	4
28	Optical clock recovery at line rates via injection locking of a long cavity Fabry-Pe/spl acute/rot laser diode. <i>IEEE Photonics Technology Letters</i> , 2004 , 16, 1561-1563	2.2	12
27	Electrically band-limited CSRZ-DPSK signal with a simple transmitter configuration and reduced linear crosstalk in high spectral efficiency DWDM systems. <i>IEEE Photonics Technology Letters</i> , 2004 , 16, 2135-2137	2.2	3
26	RZ/CSRZ-DPSK and chirped NRZ signal generation using a single-stage dual-electrode Mach-Zehnder modulator. <i>IEEE Photonics Technology Letters</i> , 2004 , 16, 2466-2468	2.2	10

25	All-optical coding of mode-locked semiconductor laser pulse trains for high bit rate optical communications. <i>Optics Communications</i> , 2003 , 217, 161-167	2	4
24	Optical single-sideband modulator for broad-band subcarrier multiplexing systems. <i>IEEE Photonics Technology Letters</i> , 2003 , 15, 311-313	2.2	12
23	Correction to "Optical single-sideband modulator for broadband subcarrier multiplexing systems". <i>IEEE Photonics Technology Letters</i> , 2003 , 15, 626-626	2.2	
22	Electrically band-limited CSRZ signal with simple generation and large dispersion tolerance for 40-Gb/s WDM transmission systems. <i>IEEE Photonics Technology Letters</i> , 2003 , 15, 987-989	2.2	10
21	Wavelength-interleaved OADMs incorporating optimized multiple phase-shifted FBGs for fiber-radio systems. <i>Journal of Lightwave Technology</i> , 2003 , 21, 32-39	4	20
20	. <i>Journal of Lightwave Technology</i> , 2003 , 21, 1071-1082	4	20
19	On the merging of millimeter-wave fiber-radio backbone with 25-GHz WDM ring networks. <i>Journal of Lightwave Technology</i> , 2003 , 21, 2203-2210	4	40
18	Capacity analysis for WDM fiber-radio backbones with star-tree and ring architecture incorporating wavelength interleaving. <i>Journal of Lightwave Technology</i> , 2003 , 21, 3308-3315	4	30
17	Novel technique for reduction of amplitude modulation of pulse trains generated by subharmonic synchronous mode-locked laser. <i>IEEE Photonics Technology Letters</i> , 2002 , 14, 543-545	2.2	17
16	The impact of grating dispersion on transmission performance in a millimeter-wave fiber-radio system. <i>IEEE Photonics Technology Letters</i> , 2002 , 14, 1345-1347	2.2	4
15	All-optical clock recovery at line rate by narrow-band resonant modulation of a single-mode laser diode. <i>IEEE Photonics Technology Letters</i> , 2002 , 14, 1731-1733	2.2	4
14	Generation of 140 GHz optical pulses with suppressed amplitude modulation by subharmonic synchronous modelocking of Fabry-Perot semiconductor laser. <i>Electronics Letters</i> , 2001 , 37, 581	1.1	18
13	Progress in millimeter-wave fiber-radio access networks. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2001 , 56, 27-38	2	7
12	An all-optical WDM-to-TDM conversion scheme with simultaneous all-optical synchronization for WDM/OTDM network nodes. <i>Optical and Quantum Electronics</i> , 2001 , 33, 827-840	2.4	4
11	Dispersion-induced power penalties in millimeter-wave signal transmission using multisection DBR semiconductor laser. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2001 , 49, 288-296	4.1	10
10	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2001 , 49, 2030-2035	4.1	18
9	Suppression of amplitude modulation of pulses generated from a subharmonically mode-locked semiconductor laser. <i>IEEE Photonics Technology Letters</i> , 2001 , 13, 629-631	2.2	3
8	Robust all-optical harmonic clock signal generation through optical injection into passively mode-locked semiconductor lasers. <i>IEEE Photonics Technology Letters</i> , 2001 , 13, 1017-1019	2.2	3

7	Wavelength reuse in the WDM optical interface of a millimeter-wave fiber-wireless antenna base station. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2001 , 49, 2006-2012	4.1	51
6	Millimeter-wave broad-band fiber-wireless system incorporating baseband data transmission over fiber and remote LO delivery. <i>Journal of Lightwave Technology</i> , 2000 , 18, 1355-1363	4	76
5	Dispersion Effects in Millimeter-Wave Fiber-Radio Systems Employing Direct-Sequence Code Division Multiple Access. <i>Optical Fiber Technology</i> , 1999 , 5, 165-174	2.4	7
4	Techniques for multichannel data transmission using a multisection laser in millimeter-wave fiber-radio systems. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1999 , 47, 1351-1357	4.1	11
3	Subharmonic synchronous and hybrid mode-locking of a monolithic DBR laser operating at millimeter-wave frequencies. <i>IEEE Photonics Technology Letters</i> , 1997 , 9, 434-436	2.2	8
2	Subharmonic synchronous mode-locking of a monolithic semiconductor laser operating at millimeter-wave frequencies. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 1997 , 3, 261-269	3.8	15
1	Fibre Radio Technology 169-190		1