

Ampalavanapillai Nirmalathas

List of Publications by Year in descending order

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374
papers

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all docs

378
docs citations

378
times ranked

3035
citing authors

#	ARTICLE	IF	CITATIONS
1	Few-Mode Based Beam Shaping for Multi-User Indoor Optical Wireless Communications With Time-Slot Coding. IEEE Photonics Journal, 2022, 14, 1-9.	1.0	0
2	Intelligent Radio Resource Allocation for Human-Robot Collaboration. IEEE Open Journal of the Communications Society, 2022, 3, 144-158.	4.4	3
3	4G to 6G: disruptions and drivers for optical access [Invited]. Journal of Optical Communications and Networking, 2022, 14, A143.	3.3	31
4	Comparison of Adaptive Equalization Methods for Improving Indoor Optical Wireless Communications Employing Few-Mode Based Uniform Beam Shaping. Journal of Lightwave Technology, 2022, 40, 3768-3776.	2.7	2
5	IoT Device Integration and Payment via an Autonomic Blockchain-Based Service for IoT Device Sharing. Sensors, 2022, 22, 1344.	2.1	10
6	Radio-Over-Fiber Technology: Present and Future. Journal of Lightwave Technology, 2021, 39, 881-888.	2.7	60
7	CMY camera using a nanorod filter mosaic integrated on a CMOS image sensor. OSA Continuum, 2021, 4, 229.	1.8	5
8	Study on the impact of clustering for non-orthogonal multiple access based on multilevel code for radio-over-fiber fronthaul application. Journal of Optical Communications and Networking, 2021, 13, 25.	3.3	3
9	Energy-Aware Routing for Software-Defined Multihop Wireless Sensor Networks. IEEE Sensors Journal, 2021, 21, 10174-10182.	2.4	45
10	Investigation on NOMA based 60 GHz Radio-over-Fiber Fronthaul Links. , 2021, , .		0
11	Universal optical network architecture for future wireless LANs [Invited]. Journal of Optical Communications and Networking, 2021, 13, D93.	3.3	4
12	Indoor optical wireless access networksâ€™ recent progress [Invited]. Journal of Optical Communications and Networking, 2021, 13, A178.	3.3	14
13	Optical Wireless Communications Using Signal Space Diversity with Spatial Modulation. Photonics, 2021, 8, 468.	0.9	6
14	Application Based Energy Optimization for Computation Offloading in Hierarchical MEC Network. , 2021, , .		1
15	Analog optical generation and transport for 5G millimeter wave systems. , 2021, , .		0
16	A Software-Defined Management System for IP-Enabled WSNs. IEEE Systems Journal, 2020, 14, 2335-2346.	2.9	11
17	Performance Analysis of Software-Defined Multihop Wireless Sensor Networks. IEEE Systems Journal, 2020, 14, 4653-4662.	2.9	14
18	Mobility-Aware Energy Optimization in Hosts Selection for Computation Offloading in Multi-Access Edge Computing. IEEE Open Journal of the Communications Society, 2020, 1, 1056-1065.	4.4	15

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19	Hybrid Color Filters for Multispectral Imaging. <i>Advanced Theory and Simulations</i> , 2020, 3, 2000137.	1.3	7
20	Best optimizer selection for predicting bushfire occurrences using deep learning. <i>Natural Hazards</i> , 2020, 103, 845-860.	1.6	34
21	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.	2.7	4
22	Estimating Video Popularity From Past Request Arrival Times in a VoD System. <i>IEEE Access</i> , 2020, 8, 19934-19947.	2.6	2
23	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, .	3.0	37
24	Angle Independent Narrow Bandpass Filters based on the Localized Surface Plasmon. , 2020, , .		1
25	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.	0.4	0
26	Metallic Nanohole Integrated on a Dielectric Multilayer for IR Multispectral Imaging. , 2020, , .		0
27	Indoor Optical Wireless Communications using Few-mode Based Uniform Beam Shaping and LMS Based Adaptive Equalization. , 2020, , .		7
28	Demonstration of High-speed Indoor Optical Wireless Communications using Few-mode Based Uniform Beam Shaping. , 2020, , .		2
29	A Predictive Semi-Persistent Scheduling Scheme for Low-Latency Applications in LTE and NR Networks. , 2019, , .		10
30	Planning and Dimensioning of Optical Transport Networks for 5G and Beyond. , 2019, , .		0
31	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.	2.7	23
32	A Fully Printed Backscatter Radio Transceiver. , 2019, , .		1
33	A Novel Network Architecture for Indoor Optical Wireless Communication. , 2019, , .		6
34	Advancements towards Global IoT Device Discovery and Integration. , 2019, , .		12
35	A Feasibility Study of IEEE 802.11 HCCA for Low-Latency Applications. <i>IEEE Transactions on Communications</i> , 2019, 67, 4928-4938.	4.9	7
36	Optical Transport Network Design for 5G Fixed Wireless Access. <i>Journal of Lightwave Technology</i> , 2019, 37, 3893-3901.	2.7	27

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37	Modeling the Total Energy Consumption of Mobile Network Services and Applications. <i>Energies</i> , 2019, 12, 184.	1.6	70
38	MAC protocol for indoor optical wireless networks. <i>IET Communications</i> , 2019, 13, 3158-3167.	1.5	3
39	A Comparison of Optical Transport Technologies for Wireless Communications Using Optical Ground Wire in Smart Grid. , 2019, , .		2
40	Demonstration of Optical Wireless Communications using Spatial Modulation with Signal Space Diversity. , 2019, , .		4
41	Direct Electrohydrodynamic Patterning of High-Performance All Metal Oxide Thin-Film Electronics. <i>ACS Nano</i> , 2019, 13, 13957-13964.	7.3	34
42	Deployment and Resource Distribution of Mobile Edge Hosts Based on Correlated User Mobility. <i>IEEE Access</i> , 2019, 7, 148-159.	2.6	20
43	Evolution of Radio-Over-Fiber Technology. <i>Journal of Lightwave Technology</i> , 2019, 37, 1647-1656.	2.7	113
44	Delay-Tolerant Repetition-Coding for Optical Wireless Communications. , 2019, , .		1
45	5G C-RAN With Optical Fronthaul: An Analysis From a Deployment Perspective. <i>Journal of Lightwave Technology</i> , 2018, 36, 2059-2068.	2.7	126
46	Hierarchical aggregation method for a scalable implementation of demand side management. <i>Computers and Operations Research</i> , 2018, 96, 188-199.	2.4	8
47	Design and Planning for Fiber-Based Small Cell Backhauling. , 2018, , .		3
48	Demonstration of Indoor Optical Wireless Communications with Spatial Diversity Using Repetition-Coding and Space-Time-BlockCoding. , 2018, , .		0
49	High-speed Optical Wireless Communications for Local Area Networks. , 2018, , .		1
50	On the Performance of Probabilistically-shaped CAP over Optical Wireless Communications. , 2018, , .		0
51	Convergence of 5G RAN and Optical Access: A Coordinated Resource Allocation Framework. , 2018, , .		2
52	Evolution of Radio-Over-Fiber Technologies: Past and Present. , 2018, , .		3
53	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.	1.1	1
54	Transmission Enhancement in Coaxial Hole Array Based Plasmonic Color Filter for Image Sensor Applications. <i>IEEE Photonics Journal</i> , 2018, 10, 1-9.	1.0	13

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55	Multi-cell coordination for 60GHz RoF fronthaul enabled by a non-orthogonal multiple access scheme without successive interference cancellation. Optics Letters, 2018, 43, 4236.	1.7	8
56	A software-defined networking framework for IoT based on 6LoWPAN. , 2018, , .		9
57	Optical X-haul options for 5G fixed wireless access: Which one to choose?. , 2018, , .		12
58	High-speed indoor optical wireless communication system employing a silicon integrated photonic circuit. Optics Letters, 2018, 43, 3132.	1.7	35
59	Dynamic Tuning of Contention Window for Optical Wireless Networks. , 2018, , .		4
60	Demonstration of Non-Orthogonal Multiple Access Scheme using Multilevel Coding without Successive Interference Cancellation with 60 GHz Radio-over-Fiber Fronthaul. , 2018, , .		15
61	Experimental Demonstration of a 12.5 Gb/s Indoor Optical Wireless Communication System with Silicon Integrated Photonic Circuit. , 2018, , .		1
62	An Energy-Efficient Miniaturized Intracranial Pressure Monitoring System. IEEE Journal of Solid-State Circuits, 2017, 52, 720-734.	3.5	38
63	Dynamic scheduling algorithm for LTE uplink with smart metering traffic. Transactions on Emerging Telecommunications Technologies, 2017, 28, e3163.	2.6	4
64	Space-Time-Coded High-Speed Reconfigurable Card-to-Card Free-Space Optical Interconnects. Journal of Optical Communications and Networking, 2017, 9, A189.	3.3	7
65	Hybrid Fiber-Wireless Network: An Optimization Framework for Survivable Deployment. Journal of Optical Communications and Networking, 2017, 9, 466.	3.3	30
66	Analysis of large flood events: Based on flood data during 1985–2016 in Australia and India. International Journal of Disaster Risk Reduction, 2017, 24, 1-11.	1.8	61
67	Transport schemes for fiber-based fronthaul for transporting 60 GHz wireless signals. , 2017, , .		1
68	60 GHz Analog Radio-Over-Fiber Fronthaul Investigations. Journal of Lightwave Technology, 2017, 35, 4304-4310.	2.7	36
69	Time-Slot Coding Scheme With Adaptive Loading Function for Multiple Access in Indoor Optical Wireless Communications. Journal of Lightwave Technology, 2017, 35, 4079-4086.	2.7	3
70	A 60-GHz Radio-Over-Fiber Fronthaul Using Integrated Microwave Photonics Filters. IEEE Photonics Technology Letters, 2017, 29, 1663-1666.	1.3	17
71	Silicon Integrated Optical Isolator With Dynamic Non-Reciprocity. IEEE Photonics Technology Letters, 2017, 29, 1261-1264.	1.3	3
72	Performance evaluation of CoMP for downlink 60-GHz radio-over-fiber fronthaul. , 2017, , .		7

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73	Silicon integrated optical devices. , 2017, , .		0
74	Hybrid Coordination Function Controlled Channel Access for Latency-Sensitive Tactile Applications. , 2017, , .		11
75	Negative differential resistance in planar graphene quantum dot resonant tunneling diodes. , 2017, , .		1
76	Experimental demonstration of time-slot coding scheme for multiple access in high-speed optical wireless communications with imaging receiver. , 2017, , .		0
77	IEEE 802.11 HCCA for tactile applications. , 2017, , .		5
78	Space-time-coded reconfigurable card-to-card optical interconnects with broadcast capability. , 2017, , .		0
79	Secure multiple access for indoor optical wireless communications with time-slot coding and chaotic phase. Optics Express, 2017, 25, 22046.	1.7	16
80	Indoor infrared optical wireless localization system with background light power estimation capability. Optics Express, 2017, 25, 22923.	1.7	26
81	5G C-RAN architecture: A comparison of multiple optical fronthaul networks. , 2017, , .		38
82	Integration of optical-wireless networks for broadband mobile networks. , 2017, , .		0
83	A Dual-Infrared-Transmitter Optical Wireless Based Indoor User Localization System with High Accuracy. , 2017, , .		0
84	High-speed optical wireless personal area communication system supporting multiple users. , 2016, , .		1
85	MFPT calculation for random walks in inhomogeneous networks. Physica A: Statistical Mechanics and Its Applications, 2016, 462, 986-1002.	1.2	4
86	Performance Enhanced Butt Coupling for Effective Interconnection Between Fiber and Silicon Nanowire. IEEE Journal of Quantum Electronics, 2016, 52, 1-6.	1.0	10
87	High-speed optical wireless communications for in-building personal area networks. , 2016, , .		2
88	Recent progresses in Gigabit wireless access using millimetre-wave RoFs. , 2016, , .		0
89	Multi-gigabit indoor optical wireless networks – Feasibility and challenges. , 2016, , .		9
90	Optical wireless communications for high-speed in-building personal area networks. , 2016, , .		3

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91	Short-range infrared optical wireless communications " Systems and integration. , 2016, , .		1
92	Network Energy Consumption Assessment of Conventional Mobile Services and Over-the-Top Instant Messaging Applications. IEEE Journal on Selected Areas in Communications, 2016, 34, 3168-3180.	9.7	38
93	Four-Wave-Mixing-Based Silicon Integrated Optical Isolator With Dynamic Non-Reciprocity. IEEE Photonics Technology Letters, 2016, 28, 1739-1742.	1.3	18
94	All-Graphene Planar Double-Quantum-Dot Resonant Tunneling Diodes. IEEE Journal of the Electron Devices Society, 2016, 4, 30-39.	1.2	14
95	Tuneable graphene nanopores for single biomolecule detection. Nanoscale, 2016, 8, 10066-10077.	2.8	19
96	Telecommunications energy and greenhouse gas emissions management for future network growth. Applied Energy, 2016, 166, 174-185.	5.1	12
97	Optical Wireless-Based Indoor Localization System Employing a Single-Channel Imaging Receiver. Journal of Lightwave Technology, 2016, 34, 1141-1149.	2.7	20
98	Full-Duplex Gigabit Indoor Optical Wireless Communication System With CAP Modulation. IEEE Photonics Technology Letters, 2016, 28, 790-793.	1.3	55
99	Radio-Over-Fiber Technologies for Emerging Wireless Systems. IEEE Journal of Quantum Electronics, 2016, 52, 1-11.	1.0	180
100	Time-slot coding scheme for multiple access in indoor optical wireless communications. Optics Letters, 2016, 41, 5166.	1.7	6
101	Highly Effective Conductance Modulation in Planar Silicene Field Effect Devices Due to Buckling. Scientific Reports, 2015, 5, 14815.	1.6	12
102	Experimental Demonstration of Optical Wireless Indoor Localization System with Background Light Power Estimation. , 2015, , .		4
103	Special issue on energy-efficient optical networks. Photonic Network Communications, 2015, 30, 1-3.	1.4	0
104	Experimental demonstration of indoor optical wireless based 3-D localization system. , 2015, , .		0
105	Experimental demonstration of space-time-coded robust high-speed indoor optical wireless communication system. , 2015, , .		2
106	High-speed optical wireless communications in personal areas (Invited). , 2015, , .		0
107	Microwave Photonics-Double Magic [From the Guest Editor's Desk]. IEEE Microwave Magazine, 2015, 16, 24-26.	0.7	0
108	2Å–2 silicon integrated optical phased array for beam steering applications. , 2015, , .		2

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109	Experimental demonstration of a novel indoor optical wireless localization system for high-speed personal area networks. <i>Optics Letters</i> , 2015, 40, 1246.	1.7	20
110	Review of physical layer networking for optical-wireless integration. <i>Optical Engineering</i> , 2015, 55, 031113.	0.5	8
111	Fiber-wireless technology for small cell backhauling. , 2015, , .		1
112	Cost-Optimal Placement and Backhauling of Small-Cell Networks. <i>Journal of Lightwave Technology</i> , 2015, 33, 3850-3857.	2.7	35
113	Photonics for Gigabit Wireless Networks. , 2015, , .		4
114	Recirculating Frequency Shifter-Based Hybrid Electro-Optic Probing System with Ultra-Wide Bandwidth. <i>IEICE Transactions on Electronics</i> , 2015, E98.C, 857-865.	0.3	2
115	Transport Schemes for Fiber-Wireless Technology: Transmission Performance and Energy Efficiency. <i>Photonics</i> , 2014, 1, 67-82.	0.9	8
116	Experimental demonstration of free-space based 120 Gb/s reconfigurable card-to-card optical interconnects. <i>Optics Letters</i> , 2014, 39, 5717.	1.7	8
117	Analysis of ip-based communication backbone over shared wide area-network for Smart Grid applications. , 2014, , .		2
118	Digitized RF over Fiber Systems. , 2014, , .		2
119	Free-Space 120 Gb/s Reconfigurable Card-to-Card Optical Wireless Interconnects with 16-CAP Modulation. , 2014, , .		3
120	Si integrated optical phased array for efficient beam steering in optical wireless communications. , 2014, , .		1
121	High-speed optical wireless communications in personal area networks. , 2014, , .		0
122	Wireless signals transport in fiber-wireless links: Digitized versus analog. , 2014, , .		5
123	Graphene field effect Nanopore glycine detector. , 2014, , .		0
124	An Efficient Resource Allocation Mechanism for LTE-GEPON Converged Networks. <i>Journal of Network and Systems Management</i> , 2014, 22, 437-461.	3.3	9
125	120 Gb/s reconfigurable optical interconnect based on hybrid free-space and MMF propagations. , 2014, , .		0
126	Asymmetrically-gated graphene self-switching diodes as negative differential resistance devices. <i>Nanoscale</i> , 2014, 6, 7628-7634.	2.8	25

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127	All-Graphene Planar Double Barrier Resonant Tunneling Diodes. IEEE Journal of the Electron Devices Society, 2014, 2, 118-122.	1.2	16
128	A flexible wide bandwidth electro-optic probing system using a recirculating frequency shifter. , 2014, , .		3
129	All-Graphene Planar Self-Switching MISFEDs, Metal-Insulator-Semiconductor Field-Effect Diodes. Scientific Reports, 2014, 4, 3983.	1.6	42
130	Experimental demonstration of high-speed reconfigurable card-to-card optical interconnects with broadcast capability. , 2013, , .		1
131	Converged fiber-wireless access networks for next generation mobile backhaul enabling CoMP. , 2013, , .		7
132	Quasi-phase matching with tapered waveguides for Terahertz generation. , 2013, , .		0
133	Performance of High-Speed Reconfigurable Free-Space Card-to-Card Optical Interconnects Under Air Turbulence. Journal of Lightwave Technology, 2013, 31, 1687-1693.	2.7	12
134	Optical generation of microwave carrier using optically injection-locked fabry-perot laser diodes in tandem. , 2013, , .		0
135	Balanced heterodyne architecture for improving the noise performance of electro-optic probing systems. , 2013, , .		3
136	Methodologies for Assessing the Use-Phase Power Consumption and Greenhouse Gas Emissions of Telecommunications Network Services. Environmental Science & Technology, 2013, 47, 485-492.	4.6	37
137	Digitized RF-over-fiber as a cost-effective and energy-efficient backhaul option for wireless communications. Annales Des Telecommunications/Annals of Telecommunications, 2013, 68, 23-39.	1.6	5
138	Graphene Self Switching Diodes with high rectification ratios. , 2013, , .		6
139	Experimental demonstration of high-speed free-space reconfigurable card-to-card optical interconnects. Optics Express, 2013, 21, 2850.	1.7	16
140	High-speed free-space based reconfigurable card-to-card optical interconnects with broadcast capability. Optics Express, 2013, 21, 15395.	1.7	11
141	High-speed reconfigurable card-to-card optical interconnects based on hybrid free-space and multi-mode fiber propagations. Optics Express, 2013, 21, 31166.	1.7	3
142	Architecture Discovery Enabled Resource Allocation Mechanism for Next Generation Optical-Wireless Converged Networks. Journal of Optical Communications and Networking, 2013, 5, 1083.	3.3	11
143	Energy Audit Models for Telecommunications Networks and Services. , 2013, , .		0
144	High-Speed Full-Duplex Optical Wireless Communication System with Single Channel Imaging Receiver for Personal Area Networks. IEICE Transactions on Electronics, 2013, E96.C, 180-186.	0.3	0

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145	High-Speed Indoor Optical Wireless Communication System with a Steering Mirror Based Up-Link Receiver. , 2012, , .		5
146	Multilevel Intensity Modulations for Simplified Full-Duplex Millimeter-Wave Radio-Over-Fiber System for Gigabit Access. IEEE Photonics Journal, 2012, 4, 1956-1972.	1.0	9
147	Simplification of millimeter-wave radio-over-fiber system employing heterodyning of uncorrelated optical carriers and self-homodyning of RF signal at the receiver. Optics Express, 2012, 20, 5707.	1.7	28
148	High-speed indoor optical wireless communication system with single channel imaging receiver. Optics Express, 2012, 20, 8442.	1.7	27
149	High-speed indoor optical wireless communication system with single channel imaging receiver: erratum. Optics Express, 2012, 20, 25356.	1.7	0
150	OFDM Versus Single Carrier Towards Spectrally Efficient 100ÂGb/s Transmission With Direct Detection. Journal of Optical Communications and Networking, 2012, 4, 779.	3.3	7
151	Experimental demonstration of 3Å—310â€‰Gb/s reconfigurable free space optical card-to-card interconnects. Optics Letters, 2012, 37, 2553.	1.7	13
152	Ultra-broadband indoor optical wireless communication system with multimode fiber. Optics Letters, 2012, 37, 1514.	1.7	8
153	Millimeter-wave signal transmission using digitized radio-over-fiber technique. , 2012, , .		1
154	Indoor WDM optical wireless communication system with single channel imaging receiver. , 2012, , .		1
155	High-speed optical wireless communication system with steering-mirror based receiver for personal area applications. , 2012, , .		0
156	High-Speed Reconfigurable Free-Space Card-to-Card Optical Interconnects. IEEE Photonics Journal, 2012, 4, 1407-1419.	1.0	16
157	Performance of reconfigurable free-space card-to-card optical interconnects under atmospheric turbulence. , 2012, , .		1
158	In-house seamless and transparent internet on the move through cordless access to FTTH. , 2012, , .		0
159	Bandwidth improvement of digitized RoF system using track-and-hold amplifier. , 2012, , .		0
160	Multilevel Modulations for Gigabit Access in a Simple Millimeter-Wave Radio-Over-Fiber Link. IEEE Photonics Technology Letters, 2012, 24, 1860-1863.	1.3	7
161	Multi-level ASK demonstrations in millimeter-wave radio-over-fiber system using free-running lasers and RF self-homodyning. , 2012, , .		1
162	Digitized RF-over-Fiber for efficient fiber-wireless signal transport. , 2012, , .		3

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163	Simplified Generation, Transport, and Data Recovery of Millimeter-Wave Signal in a Full-Duplex Bidirectional Fiber-Wireless System. IEEE Photonics Technology Letters, 2012, 24, 1428-1430.	1.3	17
164	Next generation optical-wireless converged network architectures. IEEE Network, 2012, 26, 22-27.	4.9	67
165	Indoor optical wireless localization system with height estimation for high-speed wireless communications in personal areas. , 2012, , .		3
166	Indoor optical wireless localization system for high-speed personal area networks. , 2012, , .		0
167	Experimental Demonstration of a Full-Duplex Indoor Optical Wireless Communication System. IEEE Photonics Technology Letters, 2012, 24, 188-190.	1.3	35
168	QoS performance of next generation optical-wireless converged network and PON cycle length. , 2012, , .		2
169	Experimental Demonstration of 3 Å– 10 Gbps Reconfigurable High-Speed Optical Wireless Interconnects. , 2012, , .		0
170	Differential group delay monitoring for high-speed data based on a low-frequency radio-frequency tone power measurement. IET Optoelectronics, 2012, 6, 102.	1.8	0
171	Impact of Crosstalk on Indoor WDM Optical Wireless Communication Systems. IEEE Photonics Journal, 2012, 4, 375-386.	1.0	11
172	A Full-Duplex Digitized RoF System for Millimeter-Wave OFDM Transmission. , 2012, , .		5
173	Impact of Polarization State on High-Speed Indoor Optical Wireless Communication System. , 2012, , .		0
174	Millimeter-Wave Radio-Over-Fiber System Based on Heterodyned Unlocked Light Sources and Self-Homodyned RF Receiver. IEEE Photonics Technology Letters, 2011, 23, 459-461.	1.3	21
175	Provisioning in-house mobility for FTTH customers by incorporating modifications in optical network unit (ONU). , 2011, , .		2
176	Digitized RF-over-fiber transport for hybrid fiber-wireless links. , 2011, , .		1
177	Ultra-broadband indoor full-duplex WDM optical wireless communication with multi-mode fiber. , 2011, , .		0
178	High-Speed Optical Wireless Communication System for Indoor Applications. IEEE Photonics Technology Letters, 2011, 23, 519-521.	1.3	93
179	Localized P2P VoD Delivery Scheme with Pre-Fetching for Broadband Access Networks. , 2011, , .		5
180	4\$,imes,\$12.5 Gb/s WDM Optical Wireless Communication System for Indoor Applications. Journal of Lightwave Technology, 2011, 29, 1988-1996.	2.7	84

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181	Cost-Effective Introduction and Energy-Efficient Operation of Long-Reach WDM/TDM PON Systems. Journal of Lightwave Technology, 2011, 29, 3135-3143.	2.7	16
182	Single-Channel Directly Detected Optical-OFDM Towards Higher Spectral Efficiency and Simplicity in 100 Gb/s Ethernet and Beyond. Journal of Optical Communications and Networking, 2011, 3, 426.	3.3	11
183	Scalable and Spectrally Efficient Long-Reach Optical Access Networks Employing Frequency Interleaved Directly Detected Optical OFDM. Journal of Optical Communications and Networking, 2011, 3, 881.	3.3	9
184	Radio-over-fiber as the energy efficient backhaul option for mobile base stations. , 2011, , .		9
185	Indoor gigabit full-duplex optical wireless communication system with SCM based multiple-user access. , 2011, , .		3
186	DRoF incorporating multi-level modulation for radio-over-fiber. , 2011, , .		6
187	Quality of service assurance in EPON-WiMAX converged network. , 2011, , .		11
188	Simplification of base station and uplink optical transport in millimeter-wave radio-over-fiber system employing RF self-homodyning. , 2011, , .		2
189	Impact of background light induced shot noise in high-speed full-duplex indoor optical wireless communication systems. Optics Express, 2011, 19, 21321.	1.7	20
190	Energy efficiency of on-demand video caching systems and user behavior. Optics Express, 2011, 19, B260.	1.7	8
191	Background Light Induced Noise and Its Effects on Indoor Gigabit Optical Wireless Communication Systems. , 2011, , .		0
192	12.5 Gbps Indoor Optical Wireless Communication System with Single Channel Imaging Receiver. , 2011, , .		1
193	Local-Traffic-Redirection-Based Dynamic Bandwidth Assignment Scheme for EPON With Active Forwarding Remote Repeater Node. Journal of Optical Communications and Networking, 2011, 3, 245.	3.3	16
194	Improving Energy Efficiency of Video on Demand Services. Journal of Optical Communications and Networking, 2011, 3, 870.	3.3	18
195	Experimental Demonstration of Multi-Service Hybrid Fiber-Radio System Using Digitized RF-Over-Fiber Technique. Journal of Lightwave Technology, 2011, 29, 2131-2137.	2.7	22
196	Transmission schemes for millimeter-wave radio-over-fiber system using remote and local heterodyning of free-running lasers and self-homodyning RF receiver. , 2011, , .		0
197	Experimental demonstration of a novel indoor optical wireless localization system for tracking multiple users. , 2011, , .		1
198	Digitized wireless transport for fiber-wireless systems. , 2011, , .		1

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199	100 Gb/s 1024-way-split 100-km long-reach PON using spectrally efficient frequency interleaved directly detected optical OFDM. , 2011, , .		2
200	High-Speed Full-Duplex Optical Wireless Communication Systems for Indoor Applications. , 2011, , .		3
201	Ultra-broadband Optical Wireless For Indoor Applications. , 2011, , .		0
202	Gigabit optical wireless communication system for indoor applications. , 2010, , .		3
203	Multichannel Digitized RF-Over-Fiber Transmission Based on Bandpass Sampling and FPGA. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 3181-3188.	2.9	24
204	Digitized Radio-Over-Fiber Technologies for Converged Optical Wireless Access Network. Journal of Lightwave Technology, 2010, 28, 2366-2375.	2.7	78
205	Experimental demonstration of a downlink multi-channel Hybrid Fiber-Radio using digitized RF-over-fiber technique. , 2010, , .		1
206	Popularity-Aware Caching Algorithm for Video-on-Demand Delivery over Broadband Access Networks. , 2010, , .		11
207	Future prospects for optical transport networks beyond OADM ring network era. , 2010, , .		1
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