

Ampalavanapillai Nirmalathas

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258
papers

3,092
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378
ext. papers

4,011
ext. citations

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avg, IF

5.43
L-index

#	Paper	IF	Citations
258	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
257	Radio-Over-Fiber Technologies for Emerging Wireless Systems. <i>IEEE Journal of Quantum Electronics</i> , 2016 , 52, 1-11	2	115
256	Transmission improvement in fiber wireless links using fiber Bragg gratings. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 190-192	2.2	103
255	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
254	5G C-RAN With Optical Fronthaul: An Analysis From a Deployment Perspective. <i>Journal of Lightwave Technology</i> , 2018 , 36, 2059-2068	4	81
253	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
252	. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 519-521	2.2	69
251	. <i>Journal of Lightwave Technology</i> , 2011 , 29, 1988-1996	4	66
250	Evolution of Radio-Over-Fiber Technology. <i>Journal of Lightwave Technology</i> , 2019 , 37, 1647-1656	4	62
249	Digitized Radio-Over-Fiber Technologies for Converged Optical Wireless Access Network. <i>Journal of Lightwave Technology</i> , 2010 , 28, 2366-2375	4	53
248	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
247	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
246	Next generation optical-wireless converged network architectures. <i>IEEE Network</i> , 2012 , 26, 22-27	11.4	46
245	Design and Analysis of Digitized RF-Over-Fiber Links. <i>Journal of Lightwave Technology</i> , 2009 , 27, 2052-2061	4.1	46
244	High-speed duplex optical wireless communication system for indoor personal area networks. <i>Optics Express</i> , 2010 , 18, 25199-216	3.3	44
243	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
242	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

241	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
240	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
239	Digitized RF transmission over fiber. <i>IEEE Microwave Magazine</i> , 2009 , 10, 75-81	1.2	37
238	Modeling the Total Energy Consumption of Mobile Network Services and Applications. <i>Energies</i> , 2019 , 12, 184	3.1	35
237	All-graphene planar self-switching MISFEDs, Metal-Insulator-Semiconductor Field-Effect Diodes. <i>Scientific Reports</i> , 2014 , 4, 3983	4.9	34
236	. <i>IEEE Photonics Technology Letters</i> , 2016 , 28, 790-793	2.2	32
235	Mitigation strategy for transmission impairments in millimeter-wave radio-over-fiber networks [Invited]. <i>Journal of Optical Networking</i> , 2009 , 8, 201		32
234	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
233	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
232	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
231	An Energy-Efficient Miniaturized Intracranial Pressure Monitoring System. <i>IEEE Journal of Solid-State Circuits</i> , 2017 , 52, 720-734	5.5	25
230	Cost-Optimal Placement and Backhauling of Small-Cell Networks. <i>Journal of Lightwave Technology</i> , 2015 , 33, 3850-3857	4	25
229	60 GHz Analog Radio-Over-Fiber Fronthaul Investigations. <i>Journal of Lightwave Technology</i> , 2017 , 35, 4304-4310	4	25
228	Multifunctional WDM optical interface for Millimeter-wave fiber-radio antenna base station. <i>Journal of Lightwave Technology</i> , 2005 , 23, 1210-1218	4	25
227	High-speed indoor optical wireless communication system employing a silicon integrated photonic circuit. <i>Optics Letters</i> , 2018 , 43, 3132-3135	3	24
226	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
225	. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 188-190	2.2	23
224	Asymmetrically-gated graphene self-switching diodes as negative differential resistance devices. <i>Nanoscale</i> , 2014 , 6, 7628-34	7.7	22

223	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
222	Direct Electrohydrodynamic Patterning of High-Performance All Metal Oxide Thin-Film Electronics. <i>ACS Nano</i> , 2019 , 13, 13957-13964	16.7	22
221	5G C-RAN architecture: A comparison of multiple optical fronthaul networks 2017 ,		21
220	High-speed indoor optical wireless communication system with single channel imaging receiver. <i>Optics Express</i> , 2012 , 20, 8442-56	3.3	21
219	Indoor infrared optical wireless localization system with background light power estimation capability. <i>Optics Express</i> , 2017 , 25, 22923-22931	3.3	20
218	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
217	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
216	. <i>Journal of Lightwave Technology</i> , 2003 , 21, 1071-1082	4	20
215	A novel local area network emulation technique on passive optical networks. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 1121-1123	2.2	19
214	Hybrid Fiber-Wireless Network: An Optimization Framework for Survivable Deployment. <i>Journal of Optical Communications and Networking</i> , 2017 , 9, 466	4.1	18
213	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
212	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
211	Protection switching and local area network emulation in passive optical networks. <i>Journal of Lightwave Technology</i> , 2006 , 24, 1955-1967	4	18
210	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
209	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2001 , 49, 2030-2035	4.1	18
208	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
207	Optical Wireless-Based Indoor Localization System Employing a Single-Channel Imaging Receiver. <i>Journal of Lightwave Technology</i> , 2016 , 34, 1141-1149	4	17
206	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

205	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
204	Tuneable graphene nanopores for single biomolecule detection. <i>Nanoscale</i> , 2016 , 8, 10066-77	7.7	16
203	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
202	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
201	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
200	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	15
199	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
198	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
197	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
196	Energy-Aware Routing for Software-Defined Multihop Wireless Sensor Networks. <i>IEEE Sensors Journal</i> , 2021 , 21, 10174-10182	4	15
195	. <i>IEEE Access</i> , 2019 , 7, 148-159	3.5	15
194	All-Graphene Planar Double Barrier Resonant Tunneling Diodes. <i>IEEE Journal of the Electron Devices Society</i> , 2014 , 2, 118-122	2.3	14
193	Experimental demonstration of high-speed free-space reconfigurable card-to-card optical interconnects. <i>Optics Express</i> , 2013 , 21, 2850-61	3.3	14
192	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
191	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
190	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
189	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
188	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

187	Optical Transport Network Design for 5G Fixed Wireless Access. <i>Journal of Lightwave Technology</i> , 2019 , 37, 3893-3901	4	12
186	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
185	. <i>IEEE Photonics Journal</i> , 2012 , 4, 1407-1419	1.8	12
184	Improving Energy Efficiency of Video on Demand Services. <i>Journal of Optical Communications and Networking</i> , 2011 , 3, 870	4.1	12
183	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
182	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
181	Optical single-sideband modulator for broad-band subcarrier multiplexing systems. <i>IEEE Photonics Technology Letters</i> , 2003 , 15, 311-313	2.2	12
180	Radio-Over-Fiber Technology: Present and Future. <i>Journal of Lightwave Technology</i> , 2021 , 39, 881-888	4	12
179	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
178	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
177	Bit-Rate Identification Using Asynchronous Delayed Sampling. <i>IEEE Photonics Technology Letters</i> , 2009 , 21, 893-895	2.2	11
176	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
175	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
174	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
173	Demonstration of Non-Orthogonal Multiple Access Scheme using Multilevel Coding without Successive Interference Cancellation with 60 GHz Radio-over-Fiber Fronthaul 2018 ,		11
172	Popularity-Aware Caching Algorithm for Video-on-Demand Delivery over Broadband Access Networks 2010 ,		10
171	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
170	Impact of chromatic dispersion on 60 GHz radio-over-fiber transmission 2008 ,		10

169	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
168	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
167	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
166	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
165	Highly Effective Conductance Modulation in Planar Silicene Field Effect Devices Due to Buckling. <i>Scientific Reports</i> , 2015 , 5, 14815	4.9	9
164	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
163	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
162	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
161	Power equalization using polarization rotation in semiconductor optical amplifiers. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 1695-1697	2.2	9
160	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
159	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
158	Best optimizer selection for predicting bushfire occurrences using deep learning. <i>Natural Hazards</i> , 2020 , 103, 845-860	3	8
157	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
156	Impact of Crosstalk on Indoor WDM Optical Wireless Communication Systems. <i>IEEE Photonics Journal</i> , 2012 , 4, 375-386	1.8	8
155	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
154	Hybrid Coordination Function Controlled Channel Access for Latency-Sensitive Tactile Applications 2017 ,		8
153	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
152	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

151	Experimental demonstration of digitized RF transport over optical fiber links 2008 ,		8
150	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
149	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
148	. <i>IEEE Systems Journal</i> , 2020 , 14, 4653-4662	4.3	8
147	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
146	Advancements towards Global IoT Device Discovery and Integration 2019 ,		7
145	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
144	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
143	Energy efficiency of on-demand video caching systems and user behavior. <i>Optics Express</i> , 2011 , 19, B260-33	3.3	7
142	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
141	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
140	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
139	Progress in millimeter-wave fiber-radio access networks. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2001 , 56, 27-38	2	7
138	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
137	Transport Schemes for Fiber-Wireless Technology: Transmission Performance and Energy Efficiency. <i>Photonics</i> , 2014 , 1, 67-82	2.2	6
136	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}	4.1	6
135	2011 ,		6
134	Ultra-broadband indoor optical wireless communication system with multimode fiber. <i>Optics Letters</i> , 2012 , 37, 1514-6	3	6

133	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
132	A software-defined networking framework for IoT based on 6LoWPAN 2018 ,		6
131	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
130	Review of physical layer networking for optical-wireless integration. <i>Optical Engineering</i> , 2015 , 55, 031113	13.1	5
129	Hierarchical aggregation method for a scalable implementation of demand side management. <i>Computers and Operations Research</i> , 2018 , 96, 188-199	4.6	5
128	Optical X-haul options for 5G fixed wireless access: Which one to choose? 2018 ,		5
127	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
126	IEEE 802.11 HCCA for tactile applications 2017 ,		5
125	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
124	Graphene Self Switching Diodes with high rectification ratios 2013 ,		5
123	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
122	Indoor gigabit optical wireless communication system for personal area networks 2010 ,		5
121	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
120	Multi-gigabit indoor optical wireless networks [Feasibility and challenges] 2016 ,		4
119	Telecommunications energy and greenhouse gas emissions management for future network growth. <i>Applied Energy</i> , 2016 , 166, 174-185	10.7	4
118	A Predictive Semi-Persistent Scheduling Scheme for Low-Latency Applications in LTE and NR Networks 2019 ,		4
117	Converged fiber-wireless access networks for next generation mobile backhaul enabling CoMP 2013 ,		4
116	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

115	Quality of service assurance in EPON-WiMAX converged network 2011 ,		4
114	Simple VCSEL Base-Station Configuration for Hybrid Fiber-Wireless Access Networks. <i>IEEE Photonics Technology Letters</i> , 2009 , 21, 534-536	2.2	4
113	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
112	Active Remote Node with Layer Two Forwarding for Improving Performance of EPON 2008 ,		4
111	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
110	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
109	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
108	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
107	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
106	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
105	A Full-Duplex Digitized RoF System for Millimeter-Wave OFDM Transmission 2012 ,		4
104	Time-slot coding scheme for multiple access in indoor optical wireless communications. <i>Optics Letters</i> , 2016 , 41, 5166-5169	3	4
103	A Software-Defined Management System for IP-Enabled WSNs. <i>IEEE Systems Journal</i> , 2020 , 14, 2335-2346	3	4
102	Hybrid Color Filters for Multispectral Imaging. <i>Advanced Theory and Simulations</i> , 2020 , 3, 2000137	3.5	4
101	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
100	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
99	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
98	Silicon Integrated Optical Isolator With Dynamic Non-Reciprocity. <i>IEEE Photonics Technology Letters</i> , 2017 , 29, 1261-1264	2.2	3

97	Performance evaluation of CoMP for downlink 60-GHz radio-over-fiber fronthaul 2017 ,		3
96	Free-Space 120 Gb/s Reconfigurable Card-to-Card Optical Wireless Interconnects with 16-CAP Modulation 2014 ,		3
95	Localized P2P VoD Delivery Scheme with Pre-Fetching for Broadband Access Networks 2011 ,		3
94	Frequency interleaved directly detected optical OFDM for next-generation optical access networks 2010 ,		3
93	Gigabit optical wireless communication system for indoor applications 2010 ,		3
92	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
91	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
90	Inter-networking, VCSEL-Based Low-Cost Hybrid Base Stations Towards the Integration of Wireless and Wireline Access Networks 2007 ,		3
89	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
88	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
87	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
86	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
85	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
84	Indoor Optical Wireless Communications using Few-mode Based Uniform Beam Shaping and LMS Based Adaptive Equalization 2020 ,		3
83	MFPT calculation for random walks in inhomogeneous networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016 , 462, 986-1002	3.3	3
82	Dynamic scheduling algorithm for LTE uplink with smart-metering traffic. <i>Transactions on Emerging Telecommunications Technologies</i> , 2017 , 28, e3163	1.9	2
81	A Novel Network Architecture for Indoor Optical Wireless Communication 2019 ,		2
80	A flexible wide bandwidth electro-optic probing system using a recirculating frequency shifter 2014 ,		2

79	Balanced heterodyne architecture for improving the noise performance of electro-optic probing systems 2013 ,		2
78	Experimental Demonstration of Optical Wireless Indoor Localization System with Background Light Power Estimation 2015 ,		2
77	Wireless signals transport in fiber-wireless links: Digitized versus analog 2014 ,		2
76	Digitized RF-over-Fiber for efficient fiber-wireless signal transport 2012 ,		2
75	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
74	Indoor gigabit full-duplex optical wireless communication system with SCM based multiple-user access 2011 ,		2
73	115.2 Gb/s optical OFDM transmission with 4 bit/s/Hz spectral efficiency using IEEE 802.11a OFDM PHY 2009 ,		2
72	Cost-effective optical backhaul for broadband wireless 2009 ,		2
71	100 Gb/s 1024-way-split 100-km long-reach PON using spectrally efficient frequency interleaved directly detected optical OFDM 2011 ,		2
70	High-Speed Indoor Optical Wireless Communication System with a Steering Mirror Based Up-Link Receiver 2012 ,		2
69	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
68	Local traffic prediction-based bandwidth allocation scheme in EPON with active forwarding remote repeater node 2009 ,		2
67	Multiple secure virtual private networks over passive optical networks using electronic CDMA 2009 ,		2
66	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
65	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
64	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
63	Optical Interface for IMD Reduction in Fiber-Radio Systems with Simultaneous Baseband Transmission for Heterogeneous Access Networks 2007 ,		2
62	Hybrid multiplexing towards the integration of millimeter-wave fiber-radio systems in DWDM access networks 2005 ,		2

61	Performance of WDM fiber-radio network using distributed Raman amplifier. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 553-555	2.2	2
60	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
59	Multiple Virtual Private Networks Over Passive Optical Networks Using RF Subcarrier Multiplexing and Fabry-Pérot Laser Diodes. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 2044-2046	2.2	2
58	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
57	4G to 6G: disruptions and drivers for optical access [Invited]. <i>Journal of Optical Communications and Networking</i> , 2022 , 14, A143	4.1	2
56	IoT Device Integration and Payment via an Autonomic Blockchain-Based Service for IoT Device Sharing.. <i>Sensors</i> , 2022 , 22,	3.8	2
55	High-Speed Full-Duplex Optical Wireless Communication Systems for Indoor Applications 2011 ,		2
54	Indoor optical wireless access networksRecent progress [Invited]. <i>Journal of Optical Communications and Networking</i> , 2021 , 13, A178	4.1	2
53	Photonics for Gigabit Wireless Networks 2015 ,		2
52	Dynamic Tuning of Contention Window for Optical Wireless Networks 2018 ,		2
51	Optical Wireless Communications Using Signal Space Diversity with Spatial Modulation. <i>Photonics</i> , 2021 , 8, 468	2.2	2
50	Design and Planning for Fiber-Based Small Cell Backhauling 2018 ,		2
49	Evolution of Radio-Over-Fiber Technologies: Past and Present 2018 ,		2
48	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
47	Transport schemes for fiber-based fronthaul for transporting 60 GHz wireless signals 2017 ,		1
46	Estimating Video Popularity From Past Request Arrival Times in a VoD System. <i>IEEE Access</i> , 2020 , 8, 19934-19947	3.5	1
45	Optical wireless communications for high-speed in-building personal area networks 2016 ,		1
44	A Fully Printed Backscatter Radio Transceiver 2019 ,		1

43	Experimental demonstration of high-speed reconfigurable card-to-card optical interconnects with broadcast capability 2013 ,		1
42	Experimental demonstration of space-time-coded robust high-speed indoor optical wireless communication system 2015 ,		1
41	Analysis of ip-based communication backbone over shared wide area-network for Smart Grid applications 2014 ,		1
40	Digitized RF over Fiber Systems 2014 ,		1
39	Performance of reconfigurable free-space card-to-card optical interconnects under atmospheric turbulence 2012 ,		1
38	Indoor optical wireless localization system with height estimation for high-speed wireless communications in personal areas 2012 ,		1
37	2011 ,		1
36	Spectrally-efficient 100 Gb/s transmission in next-generation optical access networks employing directly detected optical-OFDM 2010 ,		1
35	Signal generation schemes for millimeter-wave radio-over-fiber system based on heterodyned unlocked light sources and RF homodyned receiver 2010 ,		1
34	OSNR-independent chromatic dispersion monitoring on 40Gb/s DPSK signals using two RF filters 2009 ,		1
33	Fibre Radio Technology 169-190		1
32	Multifunctional Optical Interface for Fiber-Radio Systems in Heterogeneous Access Networks. <i>Journal of Lightwave Technology</i> , 2008 , 26, 2857-2864	4	1
31	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
30	Wavelength switchable base station architecture supporting upstream access and local internetworking with a single self-seeded reflective semiconductor optical amplifier 2008 ,		1
29	Investigating the performance of star-tree and ring-bus fibre-radio networks incorporated with cascaded WDM optical interfaces 2008 ,		1
28	Multi-services distribution using power-efficient low-cost VCSELs 2008 ,		1
27	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2007 , 55, 176-184	4.1	1
26	Investigation of Intermodulation Distortion Reduction Technique for Multi-Channel Fiber-Radio Transmission in Heterogeneous Access Networks 2006 ,		1

25	Source-free Inter-networking Hybrid Base Stations towards the Convergence of Wireless and Wireline Access Networks 2007 ,		1
24	Upstream Transmission and Local Networking in Passive Optical Networks with a single RSOA 2006 ,		1
23	Demonstration of High-speed Indoor Optical Wireless Communications using Few-mode Based Uniform Beam Shaping 2020 ,		1
22	Delay-Tolerant Repetition-Coding for Optical Wireless Communications 2019 ,		1
21	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
20	Gigabit Optical Wireless Communication System for Indoor Applications 2010 ,		1
19	Universal optical network architecture for future wireless LANs [Invited]. <i>Journal of Optical Communications and Networking</i> , 2021 , 13, D93	4.1	1
18	MAC protocol for indoor optical wireless networks. <i>IET Communications</i> , 2019 , 13, 3158-3167	1.3	1
17	2019 ,		1
16	Demonstration of Optical Wireless Communications using Spatial Modulation with Signal Space Diversity 2019 ,		1
15	CMY camera using a nanorod filter mosaic integrated on a CMOS image sensor. <i>OSA Continuum</i> , 2021 , 4, 229	1.4	1
14	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
13	Video Service Delivery Over a Repeater-Based Optical Access Network. <i>IEEE Photonics Technology Letters</i> , 2007 , 19, 1637-1639	2.2	0
12	Intelligent Radio Resource Allocation for Human-Robot Collaboration. <i>IEEE Open Journal of the Communications Society</i> , 2022 , 1-1	6.7	0
11	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
10	Coordinated Multi-point (CoMP) Systems. <i>Optical Networks Series</i> , 2017 , 337-358		
9	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	
8	Microwave Photonics-Double Magic [From the Guest Editor's Desk]. <i>IEEE Microwave Magazine</i> , 2015 , 16, 24-26	1.2	

7	High-speed indoor optical wireless communication system with single channel imaging receiver: erratum. <i>Optics Express</i> , 2012 , 20, 25356	3.3
6	Performance analysis of electronic code-division multiple-access control signaling for WDM packet networks. <i>Journal of Optical Networking</i> , 2007 , 6, 380	
5	Correction to "Optical single-sideband modulator for broadband subcarrier multiplexing systems". <i>IEEE Photonics Technology Letters</i> , 2003 , 15, 626-626	2.2
4	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
3	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
2	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
1	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