Zabih Ghassemlooy

List of Publications by Year
in descending order

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803	11,956	53794 45	74163 75
papers	citations	h-index	g-index

816	816	816	5345
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	BPSK Subcarrier Intensity Modulated Free-Space Optical Communications in Atmospheric Turbulence. Journal of Lightwave Technology, 2009, 27, 967-973.	4.6	455
2	Emerging Optical Wireless Communications-Advances and Challenges. IEEE Journal on Selected Areas in Communications, 2015, 33, 1738-1749.	14.0	353
3	Optical Wireless Communications. , 0, , .		349
4	Performance Analysis of Gammaâ€“Gamma Fading FSO MIMO Links With Pointing Errors. Journal of Lightwave Technology, 2016, 34, 2158-2169.	4.6	197
5	Experimental Demonstration of 50-Mb/s Visible Light Communications Using 4<inline-formula> <tex-math notation="TeX">$,imes,$ </tex-math></inline-formula>4 MIMO. IEEE Photonics Technology Letters, 2014, 26, 945-948.	2.5	193
6	Free-space optical communication employing subcarrier modulation and spatial diversity in atmospheric turbulence channel. IET Optoelectronics, 2008, 2, 16-23.	3.3	183
7	Artificial Neural Network Nonlinear Equalizer for Coherent Optical OFDM. IEEE Photonics Technology Letters, 2015, 27, 387-390.	2.5	154
8	Modeling of Fog and Smoke Attenuation in Free Space Optical Communications Link Under Controlled Laboratory Conditions. Journal of Lightwave Technology, 2013, 31, 1720-1726.	4.6	153
9	Pilot-Assisted PAPR Reduction Technique for Optical OFDM Communication Systems. Journal of Lightwave Technology, 2014, 32, 1374-1382.	4.6	143
10	Visible Light Communication for Vehicular Networking: Performance Study of a V2V System Using a Measured Headlamp Beam Pattern Model. IEEE Vehicular Technology Magazine, 2015, 10, 45-53.	3.4	138
11	Channel Characteristics of Visible Light Communications Within Dynamic Indoor Environment. Journal of Lightwave Technology, 2015, 33, 1719-1725.	4.6	135
12	Digital pulse interval modulation for optical communications. , 1998, 36, 95-99.		123
13	Visible Light Communications: 170 Mb/s Using an Artificial Neural Network Equalizer in a Low Bandwidth White Light Configuration. Journal of Lightwave Technology, 2014, 32, 1807-1813.	4.6	109
14	Experimental Demonstration of RGB LED-Based Optical Camera Communications. IEEE Photonics Journal, 2015, 7, 1-12.	2.0	107
15	A VLC Smartphone Camera Based Indoor Positioning System. IEEE Photonics Technology Letters, 2018, 30, 1171-1174.	2.5	107
16	Performance analysis of a car-to-car visible light communication system. Applied Optics, 2015, 54, 1696.	1.8	101
17	Multihop Free-Space Optical Communications Over Turbulence Channels with Pointing Errors using Heterodyne Detection. Journal of Lightwave Technology, 2014, 32, 2597-2604.	4.6	99
18	An Indoor Visible Light Positioning System Based on Optical Camera Communications. IEEE Photonics Technology Letters, 2017, 29, 579-582.	2.5	95

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19	Experimental Demonstration of an Indoor VLC Positioning System Based on OFDMA. IEEE Photonics Journal, 2017, 9, 1-9.	2.0	94
20	Experimental demonstration of bidirectional NOMA-OFDMA visible light communications. Optics Express, 2017, 25, 4348.	3.4	88
21	Undersampled phase shift ON-OFF keying for camera communication. , 2014, , .		86
22	Visible light communications using organic light emitting diodes. , 2013, 51, 148-154.		77
23	Experimental Investigation of All-Optical Relay-Assisted 10 Gb/s FSO Link Over the Atmospheric Turbulence Channel. Journal of Lightwave Technology, 2017, 35, 45-53.	4.6	76
24	Smartphone Camera Based Visible Light Communication. Journal of Lightwave Technology, 2016, 34, 4121-4127.	4.6	75
25	Visible light communications: real time 10 Mb/s link with a low bandwidth polymer light-emitting diode. Optics Express, 2014, 22, 2830.	3.4	73
26	Exploiting Equalization Techniques for Improving Data Rates in Organic Optoelectronic Devices for Visible Light Communications. Journal of Lightwave Technology, 2012, 30, 3081-3088.	4.6	72
27	Wide-FOV and High-Gain Imaging Angle Diversity Receiver for Indoor SDM-VLC Systems. IEEE Photonics Technology Letters, 2016, 28, 2078-2081.	2.5	72
28	Performance Analysis of Ethernet/Fast-Ethernet Free Space Optical Communications in a Controlled Weak Turbulence Condition. Journal of Lightwave Technology, 2012, 30, 2188-2194.	4.6	71
29	Multi-band carrier-less amplitude and phase modulation for bandlimited visible light communications systems. IEEE Wireless Communications, 2015, 22, 46-53.	9.0	68
30	Visible Light Communications towards 5G. Radioengineering, 2015, 24, 1-9.	0.6	67
31	Modelling of long-period fibre grating response to refractive index higher than that of cladding. Measurement Science and Technology, 2001, 12, 1709-1713.	2.6	66
32	Standards for indoor Optical Wireless Communications. , 2015, 53, 24-31.		65
33	Coherent Heterodyne Multilevel Polarization Shift Keying With Spatial Diversity in a Free-Space Optical Turbulence Channel. Journal of Lightwave Technology, 2012, 30, 2689-2695.	4.6	64
34	Undersampled-Based Modulation Schemes for Optical Camera Communications. , 2018, 56, 204-212.		63
35	Performance of sub-carrier modulated Free-Space Optical communication link in negative exponential atmospheric turbulence environment. International Journal of Autonomous and Adaptive Communications Systems, 2008, 1, 342.	0.3	60
36	Underwater Optical Wireless Communications With Optical Amplification and Spatial Diversity. IEEE Photonics Technology Letters, 2016, 28, 2613-2616.	2.5	60

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37	Scintillation effect on intensity modulated laser communication systemsâ€"a laboratory demonstration. Optics and Laser Technology, 2010, 42, 682-692.	4.6	59
38	Single-conductor co-planar quasi-symmetry unequal power divider based on spoof surface plasmon polaritons of bow-tie cells. AIP Advances, 2016, 6, .	1.3	58
39	Generalized Dual-Band Unequal Filtering Power Divider With Independently Controllable Bandwidth. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 3838-3848.	4.6	58
40	Compensating for Optical Beam Scattering and Wandering in FSO Communications. Journal of Lightwave Technology, 2014, 32, 1323-1328.	4.6	57
41	24â€"26â€‰â€‰GHz radio-over-fiber and free-space optics for fifth-generation systems. Optics Letters, 2018, 43, 1035.	3.3	57
42	Fundamental analysis of a car to car visible light communication system. , 2014, , .		56
43	Experimental Demonstration of High-Speed 4 Ã— 4 Imaging Multi-CAP MIMO Visible Light Communications. Journal of Lightwave Technology, 2018, 36, 1944-1951.	4.6	56
44	Wideband Filtering Power Divider With Ultra-Wideband Harmonic Suppression and Isolation. IEEE Access, 2016, 4, 6876-6882.	4.2	55
45	Modelling of free space optical link for groundâ€toâ€train communications using a Gaussian source. IET Optoelectronics, 2013, 7, 1-8.	3.3	51
46	Enhancing the Atmospheric Visibility and Fog Attenuation Using a Controlled FSO Channel. IEEE Photonics Technology Letters, 2013, 25, 1262-1265.	2.5	51
47	Design and analysis of an angularâ€segmented fullâ€mobility visible light communications receiver. Transactions on Emerging Telecommunications Technologies, 2014, 25, 591-599.	3.9	51
48	PAM- and CAP-Based Transmission Schemes for Visible-Light Communications. IEEE Access, 2017, 5, 27002-27013.	4.2	51
49	Visible Light Communications for Industrial Applicationsâ€"Challenges and Potentials. Electronics (Switzerland), 2020, 9, 2157.	3.1	50
50	Experimental study of the turbulence effect on underwater optical wireless communications. Applied Optics, 2018, 57, 8314.	1.8	50
51	Bandwidth-efficient indoor optical wireless communications with white light-emitting diodes. , 2008, , .		49
52	Graphene-based Yagi-Uda antenna with reconfigurable radiation patterns. AIP Advances, 2016, 6, .	1.3	47
53	Modeling turbulence in underwater wireless optical communications based on Monte Carlo simulation. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2017, 34, 1187.	1.5	47
54	Optical Camera Communications: Principles, Modulations, Potential and Challenges. Electronics (Switzerland), 2020, 9, 1339.	3.1	46

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55	A MATLAB-based simulation program for indoor visible light communication system. , 2010, , .		46
56	Performance evaluation of receive-diversity free-space optical communications over correlated Gammaâ€“Gamma fading channels. Applied Optics, 2013, 52, 5903.	1.8	45
57	Wideband Filtering Power Divider With Embedded Transversal Signal-Interference Sections. IEEE Microwave and Wireless Components Letters, 2017, 27, 1068-1070.	3.2	45
58	Experimental characterization and mitigation of turbulence induced signal fades within an ad hoc FSO network. Optics Express, 2014, 22, 3208.	3.4	44
59	Fading correlation and analytical performance evaluation of the space-diversity free-space optical communications system. Journal of Optics (United Kingdom), 2014, 16, 035403.	2.2	44
60	Experimental Demonstration of a 1024-QAM Optical Camera Communication System. IEEE Photonics Technology Letters, 2016, 28, 139-142.	2.5	43
61	Ethernet FSO Communications Link Performance Study Under a Controlled Fog Environment. IEEE Communications Letters, 2012, 16, 408-410.	4.1	42
62	Free-Space Optical Communication Using Subearrier Modulation in Gamma-Gamma Atmospheric Turbulence. , 2007, , .		41
63	Experimental Demonstration of IFDMA for Uplink Visible Light Communication. IEEE Photonics Technology Letters, 2016, 28, 2218-2220.	2.5	41
64	M-QAM transmission over hybrid microwave photonic links at the K-band. Optics Express, 2019, 27, 33745.	3.4	41
65	Indoor Gigabit optical wireless communications: Challenges and possibilities. , 2010, , .		39
66	10â€‰â€‰Mb/s visible light transmission system using a polymer light-emitting diode with orthogonal frequency division multiplexing. Optics Letters, 2014, 39, 3876.	3.3	39
67	A European view on the next generation optical wireless communication standard. , 2015, , .		39
68	Experimental verification of an all-optical dual-hop 10â€‰â€‰Gbit/s free-space optics link under turbulence regimes. Optics Letters, 2015, 40, 391.	3.3	38
69	Position encoded asymmetrically clipped optical orthogonal frequency division multiplexing in visible light communications. Journal of Communications and Information Networks, 2017, 2, 1-10.	5.2	38
70	Effects of aperture averaging and beam width on a partially coherent Gaussian beam over free-space optical links with turbulence and pointing errors. Applied Optics, 2016, 55, 1.	2.1	37
71	Experimental demonstration of optical MIMO NOMA-VLC with single carrier transmission. Optics Communications, 2017, 402, 52-55.	2.1	37
72	Orthogonal frequency division multiplexing for indoor optical wireless communications using visible light LEDs. , 2008, , .		36

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73	Experimental Error Performance of Modulation Schemes Under a Controlled Laboratory Turbulence FSO Channel. Journal of Lightwave Technology, 2015, 33, 244-250.	4.6	36
74	SVM-based detection in visible light communications. Optik, 2017, 151, 55-64.	2.9	35
75	The effect of NO2 on optical absorption in Langmuirâ€“Blodgett films of octa-substituted amphiphilic copper phthalocyanine molecules. Sensors and Actuators B: Chemical, 1998, 49, 235-239.	7.8	34
76	Theoretical and Experimental Optimum System Design for LTE-RoF Over Varying Transmission Span and Identification of System Nonlinear Limit. IEEE Photonics Journal, 2012, 4, 1560-1571.	2.0	34
77	Performance analysis of free space optical links over turbulence and misalignment induced fading channels. , 2012, , .		34
78	Coherent Polarization Modulated Transmission through MIMO Atmospheric Optical Turbulence Channel. Journal of Lightwave Technology, 2013, 31, 3221-3228.	4.6	34
79	1.4-Mb/s White Organic LED Transmission System Using Discrete Multitone Modulation. IEEE Photonics Technology Letters, 2013, 25, 615-618.	2.5	34
80	Quantized Feedback-Based Differential Signaling for Free-Space Optical Communication System. IEEE Transactions on Communications, 2016, 64, 5176-5188.	7.8	34
81	Demonstration of a Hybrid FSO/VLC Link for the Last Mile and Last Meter Networks. IEEE Photonics Journal, 2019, 11, 1-7.	2.0	34
82	Dual header pulse interval modulation for dispersive indoor optical wireless communication systems. IET Circuits, Devices and Systems, 2002, 149, 187-192.	0.6	33
83	Hybrid wireless optics (HWO): Building the next-generation home network. , 2008, , .		33
84	Optical Camera Communications. Signals and Communication Technology, 2016, , 547-568.	0.5	33
85	Experimental Investigation of Environment Effects on the FSO Link With Turbulence. IEEE Photonics Technology Letters, 2017, 29, 1435-1438.	2.5	33
86	Seamless 25 GHz Transmission of LTE 4/16/64-QAM Signals Over Hybrid SMF/FSO and Wireless Link. Journal of Lightwave Technology, 2019, 37, 6040-6047.	4.6	33
87	Data Rate Enhancement in Optical Camera Communications Using an Artificial Neural Network Equaliser. IEEE Access, 2020, 8, 42656-42665.	4.2	33
88	FSO Detection Using Differential Signaling in Outdoor Correlated-Channels Condition. IEEE Photonics Technology Letters, 2016, 28, 55-58.	2.5	32
89	Optical Power Domain NOMA for Visible Light Communications. IEEE Wireless Communications Letters, 2019, 8, 1260-1263.	5.0	32
90	Effective Denoising and Adaptive Equalization of Indoor Optical Wireless Channel With Artificial Light Using the Discrete Wavelet Transform and Artificial Neural Network. Journal of Lightwave Technology, 2009, 27, 4493-4500.	4.6	31

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91	A Hybrid Optical Fiber and FSO System for Bidirectional Communications Used in Bridges. IEEE Photonics Journal, 2015, 7, 1-9.	2.0	31
92	Combined effect of turbulence and aerosol on free-space optical links. Applied Optics, 2017, 56, 336.	2.1	31
93	The effect of atmospheric turbulence on the performance of the free space optical communications. , 2008, , .		30
94	Analysis and evaluation of optimum wavelengths for free-space optical transceivers. , 2010, , .		30
95	Experimental investigation of polarisation modulated free space optical communication with direct detection in a turbulence channel. IET Communications, 2012, 6, 1489.	2.2	30
96	Undersampled-PAM with subcarrier modulation for camera communications. , 2015, , .		30
97	PAPR reduction scheme for ACO-OFDM based visible light communication systems. Optics Communications, 2017, 383, 75-80.	2.1	30
98	Design Methodology for Six-Port Equal/Unequal Quadrature and Rat-Race Couplers With Balanced and Unbalanced Ports Terminated by Arbitrary Resistances. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 1249-1262.	4.6	30
99	Performance improvement of FSO system using multiâ€pulse pulse position modulation and SIMO under atmospheric turbulence conditions and with pointing errors. IET Networks, 2018, 7, 165-172.	1.8	30
100	Pulse time modulation techniques for optical communications: a review. IEE Proceedings, Part J: Optoelectronics, 1993, 140, 346.	0.4	29
101	Performance of BPSK Subcarrier Intensity Modulation Free-Space Optical Communications using a Log-normal Atmospheric Turbulence Model. , 2010, , .		29
102	Experimental demonstration of a 10BASEâ€T Ethernet visible light communications system using white phosphor lightâ€emitting diodes. IET Circuits, Devices and Systems, 2014, 8, 322-330.	1.4	29
103	A new location system for an underground mining environment using visible light communications. , 2014, , .		29
104	Investigating channel frequency selectivity in indoor visibleâ€light communication systems. IET Optoelectronics, 2016, 10, 80-88.	3.3	29
105	Shortâ€range visible light ranging and detecting system using illumination light emitting diodes. IET Optoelectronics, 2016, 10, 94-99.	3.3	29
106	Optical Internet of Things within 5G: Applications and Challenges. , 2018, , .		29
107	A Machine Learning Based Signal Demodulator in NOMA-VLC. Journal of Lightwave Technology, 2021, 39, 3081-3087.	4.6	29
108	Joint optimization of a partially coherent Gaussian beam for free-space optical communication over turbulent channels with pointing errors. Optics Letters, 2013, 38, 350.	3.3	28

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109	BER and Outage Probability of DPSK Subcarrier Intensity Modulated Free Space Optics in Fully Developed Speckle. Journal of Communications, 2009, 4, .	1.6	28
110	2.7 Mb/s With a 93-kHz White Organic Light Emitting Diode and Real Time ANN Equalizer. IEEE Photonics Technology Letters, 2013, 25, 1687-1690.	2.5	27
111	400â€‰â€‰m rolling-shutter-based optical camera communications link. Optics Letters, 2020, 45, 1059.	3.3	27
112	Chaotic Communications, their applications and advantages over traditional methods of communication. , 2008, , .		26
113	Hybrid pulse position modulation and binary phase shift keying subcarrier intensity modulation for free space optics in a weak and saturated turbulence channel. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2012, 29, 1680.	1.5	26
114	Error performance of terrestrial free space optical links with subcarrier time diversity. IET Communications, 2012, 6, 499.	2.2	26
115	Impact of Link Parameters and Channel Correlation on the Performance of FSO Systems With the Differential Signaling Technique. Journal of Optical Communications and Networking, 2017, 9, 138.	4.8	26
116	Error performance of dual header pulse interval modulation (DH-PIM) in optical wireless communications. IEE Proceedings: Optoelectronics, 2001, 148, 91.	0.8	25
117	A 20-Mb/s VLC Link With a Polymer LED and a Multilayer Perceptron Equalizer. IEEE Photonics Technology Letters, 2014, 26, 1975-1978.	2.5	25
118	Experimental Demonstration of OFDM/OQAM Transmission for Visible Light Communications. IEEE Photonics Journal, 2016, 8, 1-10.	2.0	25
119	Effect of Correlation on BER Performance of the FSO-MISO System With Repetition Coding Over Gammaâ€“Gamma Turbulence. IEEE Photonics Journal, 2017, 9, 1-15.	2.0	25
120	On the m-CAP Performance with Different Pulse Shaping Filters Parameters for Visible Light Communications. IEEE Photonics Journal, 2017, 9, 1-12.	2.0	25
121	On the performance of a mixed RF/MIMO FSO variable gain dual-hop transmission system. Optics Communications, 2018, 420, 59-64.	2.1	25
122	Analysis of Nyquist Pulse Shapes for Carrierless Amplitude and Phase Modulation in Visible Light Communications. Journal of Lightwave Technology, 2018, 36, 5023-5029.	4.6	25
123	Non-Line-of-Sight MIMO Space-Time Division Multiplexing Visible Light Optical Camera Communications. Journal of Lightwave Technology, 2019, 37, 2409-2417.	4.6	25
124	Digital pulse interval modulation for IR communication systems?a review. International Journal of Communication Systems, 2000, 13, 519-536.	2.5	24
125	Characterization and performance analysis of a TOAD switch employing a dual control pulse scheme in high-speed OTDM demultiplexer. IEEE Communications Letters, 2008, 12, 316-318.	4.1	24
126	Challenges in establishing free space optical communications between flying vehicles. , 2008, , .		24

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127	A modified model of the atmospheric effects on the performance of FSO links employing single and multiple receivers. Journal of Modern Optics, 2010, 57, 37-42.	1.3	24
128	Approximation to the Sum of Two Correlated Gamma-Gamma Variates and its Applications in Free-Space Optical Communications. IEEE Wireless Communications Letters, 2012, 1, 621-624.	5.0	24
129	Experimental Full Duplex Simultaneous Transmission of LTE Over a DWDM Directly Modulated RoF System. Journal of Optical Communications and Networking, 2014, 6, 8.	4.8	24
130	Performance analysis of spaceâ€diversity freeâ€space optical systems over the correlated Gammaâ€“Gamma fading channel using PadÃ© approximation method. IET Communications, 2014, 8, 2246-2255.	2.2	24
131	Experimental demonstration of an NOMA-PON with single carrier transmission. Optics Communications, 2017, 396, 66-70.	2.1	24
132	Efficient frequencyâ€domain channel equalisation methods for OFDM visible light communications. IET Communications, 2017, 11, 25-29.	2.2	24
133	Optical Camera Communications for IoTâ€“Rolling-Shutter Based MIMO Scheme with Grouped LED Array Transmitter. Sensors, 2020, 20, 3361.	3.8	24
134	Baseline-wander effects on systems employing digital pulse-interval modulation. IEE Proceedings: Optoelectronics, 2000, 147, 295-300.	0.8	23
135	Reducing the effects of intersymbol interference in diffuse DPIM optical wireless communications. IEE Proceedings: Optoelectronics, 2003, 150, 445-452.	0.8	23
136	Comparison of hardâ€decision and softâ€decision channel coded Mâ€ary PPM performance over free space optical links. European Transactions on Telecommunications, 2009, 20, 746-757.	1.2	23
137	Sum-rate maximization of multi-user MIMO visible light communications. , 2015, , .		23
138	The role and interactions of process parameters on the nature of alkoxide derived solâ€“gel films. Journal of Materials Processing Technology, 1998, 77, 86-94.	6.3	22
139	Laser attenuation by falling snow. , 2008, , .		22
140	Route diversity analyses for free-space optical wireless links within turbulent scenarios. Optics Express, 2013, 21, 7641.	3.4	22
141	Visible light communications: 375ÂMbits/s data rate with a 160ÂkHz bandwidth organic photodetector and artificial neural network equalization [Invited]. Photonics Research, 2013, 1, 65.	7.0	22
142	Experimental demonstration of an indoor visible light communication positioning system using dual-tone multi-frequency technique. , 2014, , .		22
143	An Indoor Visible Light Positioning System Using Tilted LEDs with High Accuracy. Sensors, 2021, 21, 920.	3.8	22
144	Comparing the fog effects on hybrid network using optical wireless and GHz links. , 2008, , .		21

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145	Experimental investigation of the performance of different modulation techniques under controlled FSO turbulence channel. , 2010, , .		21
146	Performance analysis for 180° receiver in visible light communications. , 2012, , .		21
147	Optimization of Optical Modulator for LTE RoF in Nonlinear Fiber Propagation. IEEE Photonics Technology Letters, 2012, 24, 617-619.	2.5	21
148	A MIMO-ANN system for increasing data rates in organic visible light communications systems. , 2013, , .		21
149	Secured communications-zone multiple input multiple output visible light communications. , 2014, , .		21
150	Investigation of Optical Modulators in Optimized Nonlinear Compensated LTE RoF System. Journal of Lightwave Technology, 2014, 32, 1944-1950.	4.6	21
151	A 1-Mb/s Visible Light Communications Link With Low Bandwidth Organic Components. IEEE Photonics Technology Letters, 2014, 26, 1295-1298.	2.5	21
152	Experimental verification of long-term evolution radio transmissions over dual-polarization combined fiber and free-space optics optical infrastructures. Applied Optics, 2016, 55, 2109.	2.1	21
153	Dual Purpose Antenna for Hybrid Free Space Optics/RF Communication Systems. Journal of Lightwave Technology, 2016, 34, 3432-3439.	4.6	21
154	OFDM-PWM scheme for visible light communications. Optics Communications, 2017, 385, 213-218.	2.1	21
155	Vehicular VLC: A Ray Tracing Study Based on Measured Radiation Patterns of Commercial Taillights. IEEE Photonics Technology Letters, 2021, 33, 904-907.	2.5	21
156	Visible light communications: multi-band super-Nyquist CAP modulation. Optics Express, 2019, 27, 8912.	3.4	21
157	Visible light communications: increasing data rates with polarization division multiplexing. Optics Letters, 2020, 45, 2977.	3.3	21
158	Contrasting space-time schemes for MIMO FSO systems with non-coherent modulation. , 2012, , .		20
159	Visible light communications employing PPM and PWM formats for simultaneous data transmission and dimming. Optical and Quantum Electronics, 2015, 47, 561-574.	3.3	20
160	Effect of optimal Lambertian order for cellular indoor optical wireless communication and positioning systems. Optical Engineering, 2016, 55, 066114.	1.0	20
161	Hard switching in hybrid FSO/RF link: Investigating data rate and link availability. , 2017, , .		20
162	Outage Analysis of a SIMO FSO System Over an Arbitrarily Correlated $mathcal {M}$ -Distributed Channel. IEEE Photonics Technology Letters, 2018, 30, 141-144.	2.5	20

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163	Mobile User Connectivity in Relay-Assisted Visible Light Communications. Sensors, 2018, 18, 1125.	3.8	20
164	Experimental Demonstration of Vehicle to Road Side Infrastructure Visible Light Communications. , 2019, , .		20
165	Utilization of an OLED-Based VLC System in Office, Corridor, and Semi-Open Corridor Environments. Sensors, 2020, 20, 6869.	3.8	20
166	Coverage of a shopping mall with flexible OLED-based visible light communications. Optics Express, 2020, 28, 10015.	3.4	20
167	A Comprehensive Modeling of Vehicle-to-Vehicle Based VLC System Under Practical Considerations, an Investigation of Performance, and Diversity Property. IEEE Transactions on Communications, 2022, 70, 3320-3332.	7.8	20
168	Evaluation of intraband crosstalk in an FBG-OC-based optical cross connect. IEEE Photonics Technology Letters, 2002, 14, 212-214.	2.5	19
169	Optimisation of Lambertian order for indoor non-directed optical wireless communication. , 2012, , .		19
170	Improvement of the Transmission Bandwidth for Indoor Optical Wireless Communication Systems Using a Diffused Gaussian Beam. IEEE Communications Letters, 2012, 16, 1316-1319.	4.1	19
171	Guest Editorial: Optical Wireless Communications. IEEE Journal on Selected Areas in Communications, 2015, 33, 1733-1737.	14.0	19
172	Use of Gaussian beam divergence to compensate for misalignment of underwater wireless optical communication links. IET Optoelectronics, 2017, 11, 171-175.	3.3	19
173	Experimental Investigation of the Effects of Fog on Optical Camera-based VLC for a Vehicular Environment. , 2019, , .		19
174	A synopsis of modulation techniques for wireless infrared communication. , 2007, , .		18
175	Comparison of 830 nm and 1550 nm based free space optical communications link under controlled fog conditions. , 2012, , .		18
176	Routing and wavelength assignment in optical networks using Artificial Bee Colony algorithm. Optik, 2013, 124, 1243-1249.	2.9	18
177	2 $imes$ 80 Gbit/s DWDM Bidirectional Wavelength Reuse Optical Wireless Transmission. IEEE Photonics Journal, 2013, 5, 7901708-7901708.	2.0	18
178	Investigation of a hybrid OFDM-PWM/PPM visible light communications system. Optics Communications, 2018, 429, 65-71.	2.1	18
179	Performance evaluation of neural network assisted motion detection schemes implemented within indoor optical camera based communications. Optics Express, 2019, 27, 24082.	3.4	18
180	Polyelectrolyte self-assembled thin films containing cyclo-tetrachromotropylene for chemical and bio-sensing. Materials Science and Engineering C, 1999, 8-9, 123-126.	7.3	17

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181	Analysis of fog and smoke attenuation in a free space optical communication link under controlled laboratory conditions. , 2012, , .		17
182	A NOMA scheme for visible light communications using a single carrier transmission. , 2017, , .		17
183	A Complete Model for Underwater Optical Wireless Communications System. , 2018, , .		17
184	Non-line-of-sight 2â€‰Ã—â€‰N indoor optical camera communications. Applied Optics, 2018, 57, B144.	1.8	17
185	Experimental analysis of a triple-hop relay-assisted FSO system with turbulence. Optical Switching and Networking, 2019, 33, 194-198.	2.0	17
186	Spectrum-Efficient Triple-Layer Hybrid Optical OFDM for IM/DD-Based Optical Wireless Communications. IEEE Access, 2020, 8, 10352-10362.	4.2	17
187	Distribution function for continental and maritime fog environments for optical wireless communication. , 2008, , .		16
188	Coherent optical binary polarisation shift keying heterodyne system in the free-space optical turbulence channel. IET Microwaves, Antennas and Propagation, 2011, 5, 1031.	1.4	16
189	Development of a Visible Light Communications system for optical wireless local area networks. , 2012, , .		16
190	Experimental validation of fog models for FSO under laboratory controlled conditions. , 2013, , .		16
191	Characterization of dual-polarization LTE radio over a free-space optical turbulence channel. Applied Optics, 2015, 54, 7082.	2.1	16
192	Adaptation of Mode Filtering Technique in 4G-LTE Hybrid RoMMF-FSO for Last-Mile Access Network. Journal of Lightwave Technology, 2017, 35, 3758-3764.	4.6	16
193	Experimental demonstration of SCMA-OFDM for passive optical network. Optical Fiber Technology, 2017, 39, 1-4.	2.7	16
194	Multiple Access Techniques for VLC in Large Space Indoor Scenarios: A Comparative Study. , 2019, , .		16
195	Vehicular Visible Light Communications: The Impact of Taillight Radiation Pattern. , 2020, , .		16
196	The Utilization of Artificial Neural Network Equalizer in Optical Camera Communications. Sensors, 2021, 21, 2826.	3.8	16
197	Experimental all-optical relay-assisted FSO link with regeneration and forward scheme for ultra-short pulse transmission. Optics Express, 2019, 27, 22127.	3.4	16
198	Waveletâ€”Artificial Neural Network Receiver for Indoor Optical Wireless Communications. Journal of Lightwave Technology, 2011, 29, 2651-2659.	4.6	15

#	Article	IF	Citations
199	Multi-band carrier-less amplitude and phase modulation with decision feedback equalization for bandlimited VLC systems. , 2015, , .		15
200	Performance of carrier-less amplitude and phase modulation with frequency domain equalization for indoor visible light communications. , 2015, , .		15
201	Optimising OFDM based visible light communication for high throughput and reduced PAPR. , 2015, , .		15
202	Real-Time 262-Mb/s Visible Light Communication With Digital Predistortion Waveform Shaping. IEEE Photonics Journal, 2018, 10, 1-10.	2.0	15
203	Arbitrary Multi-way Parallel Mathematical Operations Based on Planar Discrete Metamaterials. Plasmonics, 2018, 13, 599-607.	3.4	15
204	Wideband bandpassâ€toâ€allâ€stop reconfigurable filtering power divider with bandwidth control and allâ€passband isolation. IET Microwaves, Antennas and Propagation, 2018, 12, 1852-1858.	1.4	15
205	The Spatial Dimming Scheme for the MU-MIMO-OFDM VLC System. IEEE Photonics Journal, 2018, 10, 1-13.	2.0	15
206	Equivalent Circuit Model of High Power LEDs for VLC Systems. , 2019, , .		15
207	A Simplified Model for the Rolling Shutter Based Camera in Optical Camera Communications. , 2019, , .		15
208	A Power Domain Sparse Code Multiple Access Scheme for Visible Light Communications. IEEE Wireless Communications Letters, 2020, 9, 61-64.	5.0	15
209	Wideband QAM-over-SMF/turbulent FSO downlinks in a PON architecture for ubiquitous connectivity. Optics Communications, 2020, 475, 126281.	2.1	15
210	Polarization Division Multiplexing-Based Hybrid Microwave Photonic Links for Simultaneous mmW and Sub-6 GHz Wireless Transmissions. IEEE Photonics Journal, 2020, 12, 1-14.	2.0	15
211	Power-code division non-orthogonal multiple access scheme for next-generation passive optical networks. Optics Express, 2019, 27, 35740.	3.4	15
212	Performance Evaluation of Seamless 5G Outdoor RoFSO Transmission at 39 GHz. IEEE Photonics Technology Letters, 2022, 34, 7-10.	2.5	15
213	<title>Optical wireless communication using digital pulse interval modulation</title>. , 1999, 3532, 61.		14
214	<title>Performance of dual header-pulse interval modulation (DH-PIM) for optical wireless communication systems</title>. , 2001, 4214, 144.		14
215	A feature extraction and pattern recognition receiver employing wavelet analysis and artificial intelligence for signal detection in diffuse optical wireless communications. IEEE Wireless Communications, 2003, 10, 64-72.	9.0	14
216	Indoor optical wireless communication systems and networks. International Journal of Communication Systems, 2005, 18, 191-193.	2.5	14

#	Article	IF	Citations
217	Performance study of non-binary LDPC Codes over GF(q). , 2008, , .		14
218	High quality low order nonrecursive digital filters design using modified Kaiser window. , 2008, , .		14
219	Bit error performance of diffuse indoor optical wireless channel pulse position modulation system employing artificial neural networks for channel equalisation. IET Optoelectronics, 2009, 3, 169-179.	3.3	14
220	Equalization for organic light emitting diodes in visible light communications. , 2011, , .		14
221	Wavelet-Neural Network VLC Receiver in the Presence of Artificial Light Interference. IEEE Photonics Technology Letters, 2013, 25, 1424-1427.	2.5	14
222	Performance evaluation of FSO MIMO links in Gamma-Gamma fading with pointing errors. , 2015, , .		14
223	Dual-Band Dual-Mode Substrate Integrated Waveguide Filters with Independently Reconfigurable TE101 Resonant Mode. Scientific Reports, 2016, 6, 31922.	3.3	14
224	Metameric Indoor Localization Schemes Using Visible Lights. Journal of Lightwave Technology, 2017, 35, 2933-2942.	4.6	14
225	A Broadband Graphene-Based THz Coupler with Wide-Range Tunable Power-Dividing Ratios. Plasmonics, 2017, 12, 1487-1492.	3.4	14
226	Non-Orthogonal Multi-band CAP for Highly Spectrally Efficient VLC Systems. , 2018, , .		14
227	An Equivalent Circuit Model of a Commercial LED With an ESD Protection Component for VLC. IEEE Photonics Technology Letters, 2021, 33, 777-779.	2.5	14
228	Temperature characterisation of long-period gratings for sensor applications. Microwave and Optical Technology Letters, 2004, 42, 402-405.	1.4	13
229	Indoor optical wireless systems employing dual header pulse interval modulation (DH-PIM). International Journal of Communication Systems, 2005, 18, 285-305.	2.5	13
230	Automatic impedance matching for 13.56 MHz NFC antennas. , 2008, , .		13
231	ML and EM algorithm for non-data-aided SNR estimation of linearly modulated signals. , 2008, , .		13
232	Improvement of Transmission Bandwidth for Indoor Optical Wireless Communication Systems Using an Elliptical Lambertian Beam. IEEE Photonics Technology Letters, 2013, 25, 107-110.	2.5	13
233	Experimental Verification of Visible Light Communications based on Multi-Band CAP Modulation. , 2015, , .		13
234	Indoor free space optics link under the weak turbulence regime: measurements and model validation. IET Communications, 2015, 9, 62-70.	2.2	13

#	Article	IF	Citations
235	SVM detection for superposed pulse amplitude modulation in visible light communications. , 2016, , .		13
236	System parameters effect on the turbulent underwater optical wireless communications link. Optik, 2019, 198, 163153.	2.9	13
237	A 40 Mb/s VLC System Reusing an Existing Large LED Panel in an Indoor Office Environment. Sensors, 2021, 21, 1697.	3.8	13
238	Performance of Vehicular Visible Light Communications under the Effects of Atmospheric Turbulence with Aperture Averaging. Sensors, 2021, 21, 2751.	3.8	13
239	A new modulation technique based on digital pulse interval modulation (DPIM) for optical-fiber communication. Microwave and Optical Technology Letters, 1995, 10, 1-4.	1.4	12
240	Spectral characteristics of dual header pulse interval modulation (DH-PIM). IET Communications, 2001, 148, 280.	1.0	12
241	Performance of the passive recirculating fiber loop buffer within an OTDM transmission link. Optics Communications, 2002, 209, 137-147.	2.1	12
242	Multilevel Digital Pulse Interval Modulation Scheme for Optical Wireless Communications. , 2006, , .		12
243	Equalisation for high-speed Visible Light Communications using white-LEDs. , 2008, , .		12
244	Fuzzy Vault Crypto Biometric Key Based on Fingerprint Vector Features. , 2008, , .		12
245	Antenna representation in twoâ€port network scattering parameter. Microwave and Optical Technology Letters, 2011, 53, 1404-1409.	1.4	12
246	Smart receiver for visible light communications: Design and analysis. , 2012, , .		12
247	Impact of Optical Modulators in LTE RoF System with Nonlinear Compensator for Enhanced Power Budget. , 2013, , .		12
248	Practical implementation and performance study of a hard-switched hybrid FSO/RF link under controlled fog environment. , 2014, , .		12
249	Research on channel-related polar code with an optimum code length for wireless ultraviolet communications. Optics Express, 2017, 25, 28630.	3.4	12
250	Dynamic Physical-Layer Secured Link in a Mobile MIMO VLC System. IEEE Photonics Journal, 2020, 12, 1-14.	2.0	12
251	Analysis and Demonstration of Quasi Trace Orthogonal Space Time Block Coding for Visible Light Communications. IEEE Access, 2020, 8, 77164-77170.	4.2	12
252	Design and Demonstration of a TDD-Based Central-Coordinated Resource-Reserved Multiple Access (CRMA) Scheme for Bidirectional VLC Networking. IEEE Access, 2021, 9, 7856-7868.	4.2	12

#	Article	IF	Citations
253	Optical camera communications link using an LED-coupled illuminating optical fiber. Optics Letters, 2021, 46, 2622.	3.3	12
254	Interference cancellation in MIMO NLOS optical-camera-communication-based intelligent transport systems. Applied Optics, 2019, 58, 9384.	1.8	12
255	System requirements for optical HAP-satellite links. , 2008, , .		11
256	Channel estimation for indoor diffuse optical OFDM wireless communications. , 2008, , .		11
257	Investigation of the baseline wander effect on indoor optical wireless system employing digital pulse interval modulation. IET Communications, 2008, 2, 53.	2.2	11
258	From power to performance in 13.56 MHz Contactless Credit Card technology. , 2008, , .		11
259	BER performance of DPSK subcarrier modulated free space optics in fully developed speckle. , 2008, , .		11
260	Reduced model channel method for impulse response: Characterization of indoor wireless optical channels. , 2008, , .		11
261	Automatic segmentation for Arabic characters in handwriting documents. , 2011, , .		11
262	Lambertian source modelling of free space optical ground-to-train communications. , 2012, , .		11
263	Comparative study of classifiers to mitigate intersymbol interference in diffuse indoor optical wireless communication links. Optik, 2013, 124, 4192-4196.	2.9	11
264	Simultaneous transmission of audio and video signals using visible light communications. Eurasip Journal on Wireless Communications and Networking, 2013, 2013, .	2.4	11
265	Indoor localization system utilizing two visible light emitting diodes. Optical Engineering, 2016, 55, 116114.	1.0	11
266	A new concept of multi-band carrier-less amplitude and phase modulation for bandlimited visible light communications. , 2016, , .		11
267	Experimental demonstration of optical camera communications based indoor visible light positioning system. , 2017, , .		11
268	Experimental validation of indoor relay-assisted visible light communications for a last-meter access network. Optics Communications, 2019, 451, 319-322.	2.1	11
269	Li-Tect: 3-D Monitoring and Shape Detection Using Visible Light Sensors. IEEE Sensors Journal, 2019, 19, 940-949.	4.7	11
270	Optical Axons for Electro-Optical Neural Networks. Sensors, 2020, 20, 6119.	3.8	11

#	Article	IF	Citations
271	Should Analogue Pre-Equalisers be Avoided in VLC Systems?. IEEE Photonics Journal, 2020, 12, 1-14.	2.0	11
272	A SIMO Hybrid Visible-Light Communication System for Optical IoT. IEEE Internet of Things Journal, 2022, 9, 3548-3558.	8.7	11
273	An Optical Technique for Springback Measurement in Axisymmetrical Deep Drawing Operations. Journal of Manufacturing Processes, 2001, 3, 29-37.	5.9	10
274	Wavelet-AI equalization and detection for indoor diffuse infrared wireless systems. International Journal of Communication Systems, 2005, 18, 247-266.	2.5	10
275	Experimental analysis of VoIP call quality support in IEEE 802.11 DCF. , 2008, , .		10
276	Properties of a test bench to verify standard compliance of proximity transponders. , 2008, , .		10
277	Modelling of systems with overflow multi-rate traffic and finite number of traffic sources. , 2008, , .		10
278	High data-rate optical wireless communications in passenger aircraft: Measurements and simulations. , 2008, , .		10
279	Response time analysis for composite Web services. , 2008, , .		10
280	Experimental study of bit error rate of free space optics communications in laboratory controlled turbulence. , 2010, , .		10
281	Wavelength-selection for high data rate Free Space Optics (FSO) in next generation wireless communications. , 2012, , .		10
282	Outage performance of MIMO free-space optical systems in gamma-gamma fading channels. , 2013, , .		10
283	Investigation of the Equivalent Circuit Parameters and Design of a Dual Polarised Dual Frequency Aperture Coupled Microstrip Antenna. IEEE Transactions on Antennas and Propagation, 2013, 61, 2304-2308.	5.1	10
284	A 10 Mb/s visible light communication system using a low bandwidth polymer light-emitting diode. , 2014, , .		10
285	Investigation on iterative multiuser detection physical layer network coding in two-way relay free-space optical links with turbulences and pointing errors. Applied Optics, 2016, 55, 9396.	2.1	10
286	Chaos synchronization in vertical-cavity surface-emitting laser based on rotated polarization-preserved optical feedback. Chaos, 2016, 26, 013109.	2.5	10
287	An Overview of Optical Wireless Communications. Signals and Communication Technology, 2016, , 1-23.	0.5	10
288	FBG-based reconfigurable bidirectional OXC for 8Ã—10Gb/s DWDM transmission. Optics Communications, 2016, 358, 154-159.	2.1	10

#	Article	IF	Citations
289	The irradiating field of view of imaging laser radar under fog conditions in a controlled laboratory environment. Journal of Optics (United Kingdom), 2017, 19, 045605.	2.2	10
290	An Indoor Visible Light Positioning System Using Artificial Neural Network. , 2018, , .		10
291	Experimental and Analytical Investigations of an Optically Pre-Amplified FSO-MIMO System With Repetition Coding Over Non-Identically Distributed Correlated Channels. IEEE Access, 2020, 8, 12188-12203.	4.2	10
292	Experimental Demonstration of Compressive Sensing-Based Channel Estimation for MIMO-OFDM VLC. IEEE Wireless Communications Letters, 2020, , 1-1.	5.0	10
293	A hybrid VLP and VLC system using m-CAP modulation and fingerprinting algorithm. Optics Communications, 2020, 473, 125699.	2.1	10
294	Optical OFDM based on the fractional Fourier transform for an indoor VLC system. Applied Optics, 2021, 60, 2664.	1.8	10
295	Analysis and simulation of a hybrid visible-light/infrared optical wireless network for IoT applications. Journal of Optical Communications and Networking, 2022, 14, 69.	4.8	10
296	A fluorescenceâ€based fiberâ€optic flow sensorâ€”Design considerations. Review of Scientific Instruments, 1991, 62, 1321-1325.	1.3	9
297	Digital pulse interval and width modulation. Microwave and Optical Technology Letters, 1996, 11, 231-236.	1.4	9
298	Optical absorption in metal bisphthalocyanine sublimed films. Vacuum, 2001, 61, 19-27.	3.5	9
299	OPN06-3: Multiple-Hop Routing Based on the Pulse-Position Modulation Header Processing Scheme in All-Optical Ultrafast Packet Switching Network. , 2006, , .		9
300	All-optical flip flop based on a symmetric Mach-Zehnder switch with a feedback loop and multiple forward set/reset signals. Optical Engineering, 2007, 46, 040501.	1.0	9
301	Call Blocking Probabilities in a W-CDMA cell with fixed number of channels and finite number of traffic sources. , 2008, , .		9
302	PWM-based PPM format for dimming control in visible light communication system. , 2012, , .		9
303	Effects of aperture averaging and beam width on Gaussian free space optical links in the presence of atmospheric turbulence and pointing error. , 2012, , .		9
304	Investigation of polarization switching of VCSEL subject to intensity modulated and optical feedback. Optics and Laser Technology, 2015, 75, 240-245.	4.6	9
305	Efficient road surface detection using visible light communication. , 2015, , .		9
306	Investigation of moderate-to-strong turbulence effects on free space optics — A laboratory demonstration. , 2015, , .		9

#	Article	IF	Citations
307	Using differential signalling to mitigate pointing errors effect in FSO communication link. , 2016, , .		9
308	Experimental investigation of scintillation effect on FSO channel. , 2016, , .		9
309	Training with synthesised data for disaggregated event classification at the water meter. Expert Systems With Applications, 2016, 43, 15-22.	7.6	9
310	Experimental demonstration of SCMA for visible light communications. Optics Communications, 2018, 419, 36-40.	2.1	9
311	Hybrid RoF-RoFSO System Using Directly Modulated Laser for 24 â€“ 26 GHz 5G Networks. , 2018, , .		9
312	Differential Signalling in Free-Space Optical Communication Systems. Applied Sciences (Switzerland), 2018, 8, 872.	2.5	9
313	Mitigation of dispersion and turbulence in a hybrid optical fibre and free-space optics link using electronic equalisation. Optik, 2019, 196, 163154.	2.9	9
314	A 3 Ã— 25 Mbps WDM-Ro-VLC System for Amateur Radio Applications. , 2019, , .		9
315	Implementation and Evaluation of a Gigabit Ethernet FSO Link for 'The Last Metre and Last Mile Access Network'. , 2019, , .		9
316	Optical Filter-Less WDM for Visible Light Communications Using Defocused MIMO. Electronics (Switzerland), 2021, 10, 1065.	3.1	9
317	Experimental comparison of DSB and CS-DSB mmW formats over a hybrid fiber and FSO fronthaul network for 5G. Optics Express, 2021, 29, 27768.	3.4	9
318	Spatial frequency-based angular behavior of a short-range flicker-free MIMOâ€“OCC link. Applied Optics, 2020, 59, 10357.	1.8	9
319	Convolutional neural network-based signal demodulation method for NOMA-PON. Optics Express, 2020, 28, 14357.	3.4	9
320	Non-line-of-sight WDM-MIMO optical camera communications with the DBPWR algorithm. Optics Communications, 2022, 518, 128371.	2.1	9
321	Modeling of a Vehicle-to-Vehicle Based Visible Light Communication System Under Shadowing and Investigation of the Diversity-Multiplexing Tradeoff. IEEE Transactions on Vehicular Technology, 2022, 71, 9460-9474.	6.3	9
322	Optical pulse width modulation for electrically isolated analogue transmission. Journal of Physics E: Scientific Instruments, 1985, 18, 954-958.	0.7	8
323	Probe design aspects of ruby decayâ€time fluorescent sensors. Review of Scientific Instruments, 1989, 60, 87-89.	1.3	8
324	Spectral structure of multitone pulse width modulation. Electronics Letters, 1991, 27, 702.	1.0	8

#	Article	IF	Citations
325	Optical pulse interval and width modulation for analogue fibre communications. IEE Proceedings, Part J: Optoelectronics, 1992, 139, 376.	0.4	8
326	Optical PWM data link for high quality video and audio signals. IEEE Transactions on Consumer Electronics, 1994, 40, 55-63.	3.6	8
327	Modelling of semiconductor laser amplifier for the terahertz optical asymmetric demultiplexer. IET Circuits, Devices and Systems, 1998, 145, 61.	0.6	8
328	A novel method for determining the mutual inductance for 13.56MHz RFID systems. , 2008, , .		8
329	Cognitive radio access discovery strategies. , 2008, , .		8
330	Indirect coupled oscillators for keystream generation in secure chaotic communication. , 2009, , .		8
331	Experimental demonstration of polarisation shift keying in the free space optical turbulence channel. , 2012, , .		8
332	A 100 Mb/s visible light communications system using a linear adaptive equalizer. , 2014, , .		8
333	Data detection for Smartphone visible light communications. , 2014, , .		8
334	10 Gbps all-optical relay-assisted FSO system over a turbulence channel. , 2015, , .		8
335	Variable m-CAP for bandlimited Visible Light Communications. , 2017, , .		8
336	Impact of Camera Lens Aperture and the Light Source Size on Optical Camera Communications. , 2018, , .		8
337	Undersampled Pulse Width Modulation for Optical Camera Communications. , 2018, , .		8
338	Flight: A Flexible Light Communications network architecture for indoor environments. , 2019, , .		8
339	Impact of Channel Correlation on Different Performance Metrics of OSSK-Based FSO Systems. IEEE Transactions on Wireless Communications, 2020, 19, 1593-1609.	9.2	8
340	Impact of Transmitter Positioning and Orientation Uncertainty on RSS-Based Visible Light Positioning Accuracy. Sensors, 2021, 21, 3044.	3.8	8
341	Evaluation of Multi-band Carrier-less Amplitude and Phase Modulation Performance for VLC under Various Pulse Shaping Filter Parameters. , 2016, , .		8
342	Experimental demonstration of an indoor positioning system based on artificial neural network. Optical Engineering, 2019, 58, 1.	1.0	8

#	Article	IF	Citations
343	Optical PWM data link for high quality analogue and video signals. Journal of Physics E: Scientific Instruments, 1987, 20, 841-845.	0.7	7
344	Simulation of 1Ã—2 OTDM router employing symmetric Machâ€“Zehnder switches. IET Circuits, Devices and Systems, 2005, 152, 171.	0.6	7
345	Accurate optical fiber refractive index reconstruction from near field. , 2008, , .		7
346	An interoperable GMPLS/OBS Control Plane: RSVP and OSPF extensions proposal. , 2008, , .		7
347	Compensation of distortions caused by periodic nonuniform holding signals. , 2008, , .		7
348	On stopping criteria for Low-Density Parity-Check Codes. , 2008, , .		7
349	Investigation of FSO ground-to-train communications in a laboratory environment. , 2011, , .		7
350	Investigation of data encryption impact on broadcasting visible light communications. , 2014, , .		7
351	Comparison of different combining methods for space-diversity FSO systems. , 2014, , .		7
352	1.2 Gbps non-imaging MIMO-OFDM scheme based VLC over indoor lighting LED arrangments. , 2015, , .		7
353	Experimental analysis of EVM and BER for indoor radio-over-fibre networks using polymer optical fibre. , 2015, , .		7
354	Optical single carrier-interleaved frequency division multiplexing for visible light communication systems. Optik, 2019, 194, 162910.	2.9	7
355	A NOMA scheme for visible light communications with single carrier transmission and frequency-domain successive interference cancellation. Optik, 2019, 183, 445-450.	2.9	7
356	The first tests of smartphone camera exposure effect on optical camera communication links. , 2019, , .		7
357	Expanded Multiband Super-Nyquist CAP Modulation for Highly Bandlimited Organic Visible Light Communications. IEEE Systems Journal, 2020, 14, 2544-2550.	4.6	7
358	Fundamental Analysis of Vehicular Light Communications and the Mitigation of Sunlight Noise. IEEE Transactions on Vehicular Technology, 2021, 70, 5932-5943.	6.3	7
359	Joint Dimming Control and Optimal Power Allocation for THO-OFDM Visible Light Communications. IEEE Transactions on Communications, 2021, 69, 5352-5366.	7.8	7
360	FDLA: A Novel Frequency Diversity and Link Aggregation Solution for Handover in an Indoor Vehicular VLC Network. IEEE Transactions on Network and Service Management, 2021, 18, 3556-3566.	4.9	7

#	Article	IF	Citations
361	UAV Location Optimization in MISO ZF Pre-Coded VLC Networks. IEEE Wireless Communications Letters, 2022, 11, 28-32.	5.0	7
362	Visible Light Communications for 6G Wireless Networks. , 2021, , .		7
363	BER performance of 166â€…Mbitâˆ•s OOK diffuse indoor IR link employing wavelets and neural networks. Electronics Letters, 2004, 40, 753.	1.0	6
364	BER performance analysis of 100 and 200â€‰Gbitâˆ•s all-optical OTDM node using symmetric Machâ€“Zehnder switches. IET Circuits, Devices and Systems, 2006, 153, 361.	0.6	6
365	Ultrafast All-optical Self Clock Extraction Based on Two Inline Symmetric Mach-Zehnder Switches. , 2006, , .		6
366	Dynamic buffer management using per-queue thresholds. International Journal of Communication Systems, 2007, 20, 571-587.	2.5	6
367	Analytical modelling of the Iub interface in the UMTS network. , 2008, , .		6
368	Wiener’s loop filter for PLL-based carrier recovery with OQPSK and MSK. , 2008, , .		6
369	Broadband NFC - A system analysis for the uplink. , 2008, , .		6
370	A Recursive Prediction Error algorithm for digital predistortion of FIR Wiener systems. , 2008, , .		6
371	All-optical router with pulse-position modulation header processing in high-speed photonic packet switching networks. IET Communications, 2009, 3, 465.	2.2	6
372	Artificial Bee Colony model for routing and wavelength assignment problem. , 2011, , .		6
373	Theoretical and experimental design of an alternative system to 2×2 MIMO for LTE over 60 km directly modulated RoF link. , 2012, , .		6
374	Experimental Verification of Optimized LTE-RoF System for eNB Cell Radius Improvement. IEEE Photonics Technology Letters, 2012, 24, 2210-2213.	2.5	6
375	OLED-based visible light communications. , 2012, , .		6
376	Chaos synchronization on Visible Light Communication with application for secure data communications. , 2013, , .		6
377	Experimental wavelet based denoising for indoor infrared wireless communications. Optics Express, 2013, 21, 13779.	3.4	6
378	Channel characterization for indoor visible light communications. , 2014, , .		6

#	Article	IF	Citations
379	Smoke attenuation in free space optical communication under laboratory controlled conditions. , 2014, , .		6
380	Organic visible light communications: Recent progress. , 2014, , .		6
381	Self-correcting MIMO visible light communications system using localization. , 2015, , .		6
382	Multi-band carrier-less amplitude and phase modulation for highly bandlimited visible light communications — Invited paper. , 2015, , .		6
383	Optical MIMO NOMA-PON based on single carrier transmission and polarization interleaving. Optical Fiber Technology, 2017, 36, 412-416.	2.7	6
384	Experimental demonstration of block interleaved frequency division multiple access for bidirectional visible light communications. Optical Engineering, 2017, 56, 016112.	1.0	6
385	Performance evaluation of the received power based on the transmitter position in a visible light communications system. , 2017, , .		6
386	Effect of transmitter and receiver parameters on the output signal to noise ratio in visible light communications. , 2017, , .		6
387	Polarization Switching Dependence of VCSEL on Variable Polarization Optical Feedback. IEEE Journal of Quantum Electronics, 2017, 53, 1-7.	1.9	6
388	Polar coding performance for indoor LOS VLC system. , 2017, , .		6
389	Experimental demonstration of undersampled color-shift keying optical camera communications. , 2017, , .		6
390	The effect of fog on the probability density distribution of the ranging data of imaging laser radar. AIP Advances, 2018, 8, .	1.3	6
391	An Image Sensor Based Indoor VLP System. , 2018, , .		6
392	Influence of fog on the signal to interference plus noise ratio of the imaging laser radar using a 16-element APD array. Optics Express, 2018, 26, 22030.	3.4	6
393	Dimming-Aware Interference Mitigation for NOMA-Based Multi-Cell VLC Networks. IEEE Communications Letters, 2020, 24, 2541-2545.	4.1	6
394	Performance Analysis and Software-Defined Implementation of Real-Time MIMO FSO With Adaptive Switching in GNU Radio Platform. IEEE Access, 2021, 9, 92168-92177.	4.2	6
395	Low-Complexity Receiver for HACO-OFDM in Optical Wireless Communications. IEEE Wireless Communications Letters, 2021, 10, 572-575.	5.0	6
396	Digital Pulse Interval Modulation: Spectral Behaviour. , 1997, , 65-72.		6

#	Article	IF	Citations
397	Influence of Camera Setting on Vehicle-to-Vehicle VLC Employing Undersampled Phase Shift On-Off Keying. Radioengineering, 2017, 26, 946-953.	0.6	6
398	Experimental multi-user VLC system using non-orthogonal multi-band CAP modulation. Optics Express, 2020, 28, 18241.	3.4	6
399	<title>Digital pulse interval modulation for fiber transmission</title>. , 1995, 2614, 53.		5
400	<title>Digital pulse interval modulation for transmission over optical fiber with direct detection</title>. , 1996, , .		5
401	A low cost sub-carrier multiplexed PPM for optical fibre transmission systems. IEEE Transactions on Consumer Electronics, 1998, 44, 99-107.	3.6	5
402	Editorial: Optical Wireless Communications. IEE Proceedings: Optoelectronics, 2000, 147, 279-279.	0.8	5
403	Performance analysis of non-directed equalized indoor optical wireless systems. , 2008, , .		5
404	Design of multiple-accessing chaotic digital communication system based on Interleaved Chaotic Differential Peaks Keying (I-CDPK). , 2008, , .		5
405	Forecasting of traffic load in a live 3G packet switched core network. , 2008, , .		5
406	Visibility and attenuation due to hydrometeors at 850 nm mEASURED on an 850 m path. , 2008, , .		5
407	Techno-economic study of a modeled active Ethernet FTTB deployment. , 2008, , .		5
408	Personal optical wireless communications: LOS/WLOS/DIF propagation model and QOFI. , 2008, , .		5
409	Improving the chromatic dispersion tolerance in long-haul fibre links using the coherent optical orthogonal frequency division multiplexing. IET Microwaves, Antennas and Propagation, 2010, 4, 651.	1.4	5
410	Secure digital communication using discrete-time chaotic systems via indirect coupling synchronization. , 2010, , .		5
411	An evaluation of half-cut technique for microwave-photonic access-point antenna miniaturization. , 2011, , .		5
412	Channel characteristics analysis of diffuse indoor cellular optical wireless communication systems. Proceedings of SPIE, 2011, , .	0.8	5
413	Hybrid 2-PPM-BPSK-SIM with the spatial diversity for free space optical communications. , 2012, , .		5
414	Performance evaluation of correlated-fading space-diversity FSO links. , 2013, , .		5

#	Article	IF	Citations
415	Next Generation Visible Light Communications: 10 Mb/s with Polymer Light-Emitting Diodes. , 2014, , .		5
416	Physical layer network coding with two-way relay free space optical communication link. , 2015, , .		5
417	Forward error correction with physical layer network coding in two-way relay free space optical links. , 2016, , .		5
418	Laboratory demonstration of FSO ground-to-train communications with multiple base stations. , 2016, , .		5
419	Characterization of the organic LED based visible light communications. , 2016, , .		5
420	Comparison of optical and electrical based amplify-and-forward relay-assisted FSO links over gamma-gamma channels. , 2016, , .		5
421	Experimental demonstration of interleave division multiple access visible light communication. Optical Engineering, 2017, 56, 056101.	1.0	5
422	Adaptation of transmitting signals over joint aged optical fiber and free space optical network under harsh environments. Optik, 2017, 151, 7-17.	2.9	5
423	Visible light communications with hybrid OFDM-PTM. , 2017, , .		5
424	Experimental demonstration of IDMA-OFDM for passive optical network. Optics Communications, 2017, 403, 222-225.	2.1	5
425	A Survey on Recent Advances in Organic Visible Light Communications. , 2018, , .		5
426	Optical fibre sensors for monitoring phase transitions in phase changing materials. Smart Materials and Structures, 2018, 27, 105021.	3.5	5
427	Experimental demonstration of a non-orthogonal multiple access scheme for visible light communications with SCFDM transmission. Physical Communication, 2018, 31, 181-186.	2.1	5
428	Experimental Demonstration of Staggered CAP Modulation for Low Bandwidth Red-Emitting Polymer-LED Based Visible Light Communications. , 2019, , .		5
429	An Adaptive Turbo Coded-OFDM Scheme for Visible Light Communications. , 2019, , .		5
430	Fog Mitigation Using SCM and Lens in FSO Communications. , 2019, , .		5
431	Performance evaluation and comparison of spatial modulation and nonâ€ĐC MIMO m â€CAP techniques in indoor VLC system. IET Optoelectronics, 2019, 13, 281-287.	3.3	5
432	Sectorised base stations for FSO groundâ€toâ€train communications. IET Optoelectronics, 2020, 14, 312-318.	3.3	5

#	Article	IF	Citations
433	Modeling turbulence in underwater wireless optical communications based on Monte Carlo simulation: erratum. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2021, 38, 1130.	1.5	5
434	Experimental demonstration of multiple-inputs multiple-outputs OFDM/OQAM visible light communications. Optical Engineering, 2017, 56, 1.	1.0	5
435	Analysis of nonline-of-sight visible light communications. Optical Engineering, 2017, 56, 1.	1.0	5
436	Filter-less WDM for visible light communications using colored pulse amplitude modulation. Optics Letters, 2019, 44, 4849.	3.3	5
437	Comprehensive optical and electrical characterization and evaluation of organic light-emitting diodes for visible light communication. Optical Engineering, 2020, 59, 1.	1.0	5
438	Optimization of Receivers' Field of Views in Multi-User VLC Networks: A Bio-Inspired Approach. IEEE Wireless Communications, 2022, 29, 132-139.	9.0	5
439	Digitally generated pulse width modulation transmitted over optical fibre. International Journal of Electronics, 1993, 75, 433-436.	1.4	4
440	Crosstalk in the interconnection bus for a high-speed digital logic circuit. International Journal of Electronics, 1994, 76, 265-269.	1.4	4
441	Software Simulation Techniques for Teaching Communication Systems. International Journal of Electrical Engineering and Education, 1999, 36, 287-297.	0.8	4
442	Bit-error-rate analysis for a 100-Gbit/s nonlinear optical loop mirror demultiplexer employing soliton control and signal pulses. Optics Letters, 1999, 24, 1817.	3.3	4
443	Ultrafast header processing in all-optical packet switched-network. , 0, , .		4
444	Performance of diffused indoor optical wireless links employing neural and adaptive linear equalizers. , 2007, , .		4
445	Characterisation of a parallel optical all pass filter for chromatic dispersion equalisation in 10â€…Gb/s system. IET Circuits, Devices and Systems, 2008, 2, 112.	1.4	4
446	HAP-GEO optical links: Performance analysis under weak turbulence conditions. , 2008, , .		4
447	Impact of dependent failures on the availability of the optical network. , 2008, , .		4
448	Wireless synchronous broadband last mile access solutions for multimedia applications in license free frequency spectrums. , 2008, , .		4
449	A public key encryption model for wireless sensor networks. , 2008, , .		4
450	Modelling of all-optical symmetric Mach-Zehnder switch with asymmetric coupler. , 2008, , .		4

#	Article	IF	Citations
451	Optimization of beam width, bit error rate and availability for free-space optical links. , 2008, , .		4
452	Extending the lifetime of multi hop ad hoc networks by managing the use of relay nodes. , 2008, , .		4
453	Implementation of a secure digital chaotic communication scheme on a DSP board. , 2010, , .		4
454	Experimental Investigation of Wavelet-Based Denoising Receiver for LOS Indoor Optical Wireless Communications Links. IEEE Photonics Technology Letters, 2011, 23, 1502-1504.	2.5	4
455	Green-inspired hybrid FSO/RF wireless backhauling and basic access signalling for next generation metrozones. , 2012, , .		4
456	Outage probability of multihop free space optical communications over nakagami fading channels. , 2013, , .		4
457	Bayesian model for mobility prediction to support routing in Mobile Ad-Hoc Networks. , 2013, , .		4
458	100ÂGbit/s optical wireless communication system link throughput. Electronics Letters, 2014, 50, 1220-1222.	1.0	4
459	Adaptive correction model for indoor MIMO VLC using positioning technique with node knowledge. , 2015, , .		4
460	Performance analysis of all-optical amplify-and-forward FSO relaying over atmospheric turbulence. , 2015, , .		4
461	Spectral Shape Impact of Nonlinear Compensator Signal in LTE RoF System. IEEE Photonics Technology Letters, 2015, 27, 2481-2484.	2.5	4
462	An Indoor VLC Positioning System Based on OFDMA. , 2016, , .		4
463	Single carrier optical FDM in visible light communication. , 2016, , .		4
464	A review on effects of the atmospheric turbulence on laser beam propagation â€" An analytic approach. , 2016, , .		4
465	Performance evaluation of free space optical communication under the weak turbulence regime. , 2016, , .		4
466	Data encryption with chaotic Colpitts oscillators via power supply modulation. , 2016, , .		4
467	Reducing pointing errors in free-space optical communication links over turbulences with a partially coherent Gaussian beam. , 2016, , .		4
468	Suppressing the Nonlinearity of Free Running VCSEL Using Selective-Optical Feedback. IEEE Photonics Technology Letters, 2016, 28, 185-188.	2.5	4

#	Article	IF	Citations
469	BER of an optically pre-amplified FSO system under MÃ¡laga turbulence, pointing errors, and ASE noise. , 2017, , .		4
470	Chaos Synchronization in Visible Light Communications with Variable Delays Induced by Multipath Fading. Applied System Innovation, 2018, 1, 45.	4.6	4
471	Polarization output power stabilization of a vertical-cavity surface-emitting laser. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 1615.	2.1	4
472	Investigation into Using Compensation for the Nonlinear Effects of the Output of LEDs in Visible Light Communication Systems. , 2019, , .		4
473	Investigation of the Scattering Noise in Underwater Optical Wireless Communications. Sci, 2021, 3, 27.	3.0	4
474	A Full-Digital M-CAP Receiver With Synchronisation and Adaptive Blind Equalisation for Visible Light Communications. Journal of Lightwave Technology, 2022, 40, 2409-2426.	4.6	4
475	Differential phase error in pulse-width-modulated TV transmission systems. Electronics Letters, 1987, 23, 1133.	1.0	3
476	<title>High-speed pulse time modulation techniques</title>. , 1992, , .		3
477	Noise performance of the pulse slope modulation system. Electronics Letters, 1993, 29, 2171.	1.0	3
478	<title>Digital pulse interval and width modulation for optical fiber communications</title>. , 1995, , .		3
479	Optical fibre transmission of a broadband subcarrier multiplexed signal using PTM techniques. IEEE Transactions on Consumer Electronics, 1996, 42, 229-238.	3.6	3
480	Modeling of an all-optical time-division demultiplexer. Microwave and Optical Technology Letters, 1997, 15, 380-384.	1.4	3
481	<title>Simulation of all-optical time division multiplexed router</title>. , 2001, , .		3
482	Tunable fiber Bragg gratings modeling and simulation. , 0, , .		3
483	Symbol and Bit Error Rates Analysis of Hybrid PIM-CDMA. Eurasip Journal on Wireless Communications and Networking, 2005, 2005, 1.	2.4	3
484	An Ultrafast with High Contrast Ratio 1×2 All-optical Switch based on Tri-arm Mach-Zehnder employing All-optical Flip-flop. , 2007, , .		3
485	An experimental diffuse optical wireless link employing DPIM. International Journal of Electronics, 2007, 94, 961-971.	1.4	3
486	The Performance of PPM using Neural Network and Symbol Decoding for Diffused Indoor Optical Wireless Links. , 2007, , .		3

#	Article	IF	Citations
487	Efficient fingerprint feature extraction: Algorithm and performance evaluation. , 2008, , .		3
488	Avoiding adjacent channel interference in static RWA. , 2008, , .		3
489	Adaptive predistortion of IIR Hammerstein systems using the Nonlinear Filtered-x LMS algorithm. , 2008, , .		3
490	Comparative investigation of coded cooperative communication systems. , 2008, , .		3
491	A novel method for determining the resonance frequency of PICCs. , 2008, , .		3
492	Quantum-Dot Cellular ROM: A nano-scale level approach to digital data storage. , 2008, , .		3
493	Using presence information for an effective collaboration. , 2008, , .		3
494	On the bounds of the Titchener T-complexity. , 2008, , .		3
495	Optical burst-switched WDM networks with channel bonding. , 2008, , .		3
496	Open Diameter conformance testing. , 2008, , .		3
497	A new chaos-based communication scheme using observers. , 2008, , .		3
498	Laser Doppler Vibrometry system using the synthetic-heterodyne interferometric demodulation scheme implemented on a CMOS DSP camera. , 2008, , .		3
499	A high gain active photonic antenna for high speed backhaul link: A system analysis. , 2010, , .		3
500	Effect of number of sub-carriers, cyclic prefix and analogue to digital converter parameters on coherent optical orthogonal frequency division multiplexing modem's transmission performance. IET Communications, 2010, 4, 213.	2.2	3
501	Dynamic routing and wavelength assignment: Artificial bee colony optimization. , 2011, , .		3
502	Adaptive â€˜softâ€™ sliding block decoding of convolutional code using the artificial neural network. Transactions on Emerging Telecommunications Technologies, 2012, 23, 672-677.	3.9	3
503	DWDM bidirectional wavelength reuse optical wireless transmission in 2×80 Gbit/s capacity. , 2013, , .		3
504	A new power line communication modem design with applications to vast solar farm management. , 2013, , .		3

#	Article	IF	Citations
505	Experimental demonstration of the compensation of nonlinear propagation in a LTE RoF system with a directly modulated laser. , 2013, , .		3
506	BPSK-SIM- PPM modulation for free space optical communications. , 2014, , .		3
507	Fibre impairment compensation using artificial neural network equalizer for high-capacity coherent optical OFDM signals. , 2014, , .		3
508	Error mitigation using RaptorQ codes in an experimental indoor free space optical link under the influence of turbulence. IET Communications, 2015, 9, 1800-1806.	2.2	3
509	Novel detection technique for smartphone to smartphone visible light communications. , 2016, , .		3
510	Solution to reduce nonlinearity in LTE RoF system for an efficient DAS topology: A brief review (Invited). , 2016, , .		3
511	Performance analysis of QPSK FSO system with various operating wavelengths and adaptive optics over fog channel. , 2016, , .		3
512	LiCompass: Extracting orientation from polarized light. , 2017, , .		3
513	Underwater visible light communications based on spatial diversity. , 2017, , .		3
514	MMSE Based Spatial Dimming Scheme for Multiuser MISO VLC Systems. , 2017, , .		3
515	Dual-polarization OFDM/OQAM-PON with efficient channel equalization methods. , 2017, , .		3
516	Experimental demonstration of PAM-DWMT for passive optical network. Optics Communications, 2018, 418, 93-97.	2.1	3
517	Investigation of WDM VLC Using Standard 5 mm RGB LEDs. , 2018, , .		3
518	A Spiking Neural Network with Visible Light Communications. , 2018, , .		3
519	Experimental demonstration of IDMAâ€OFDM for visible light communications. IET Communications, 2018, 12, 2099-2103.	2.2	3
520	Optimization of intensities and locations of diffuse spots in indoor optical wireless communications. Optical Switching and Networking, 2019, 33, 177-183.	2.0	3
521	Hybrid Super-Nyquist CAP Modulation based VLC with Low Bandwidth Polymer LEDs. , 2019, , .		3
522	A Head/Taillight Featuring Hybrid Planar Visible Light Communications/Millimetre Wave Antenna for Vehicular Communications. IEEE Access, 2020, 8, 135722-135729.	4.2	3

#	Article	IF	Citations
523	A Flexible Transport Layer Protocol Architecture for Handover in a Vehicular VLC Network. , 2020, , .		3
524	Vehicle-to-Vehicle Relay-Assisted VLC With Misalignment Induced Azimuth or Elevation Offset Angles. IEEE Photonics Technology Letters, 2021, 33, 908-911.	2.5	3
525	The BER performance of a FSO system with polar codes under weak turbulence. IET Optoelectronics, 0, , .	3.3	3
526	Experimental Demonstration of a 40 Mb/s VLC System Using a Large Off-the-Shelf LED Panel. , 2020, , .		3
527	Antiphase chaotic synchronization enhancement in a vertical cavity surface emitting laser. Applied Optics, 2019, 58, 9491.	1.8	3
528	Impact of Transmitter Positioning Uncertainty on RSS-based Visible Light Positioning Accuracy. , 2020, , .		3
529	Performance Evaluation of a MIMO VLC System Employing Single Carrier Modulation with Frequency Domain Equalization. , 2020, , .		3
530	Investigation of a WDM M-QAM RoF-RoFSO System. , 2020, , .		3
531	Experimental Characterization of Fiber Optic Lighting - Optical Camera Communications. , 2021, , .		3
532	The Usage of ANN for Regression Analysis in Visible Light Positioning Systems. Sensors, 2022, 22, 2879.	3.8	3
533	The Sum Secrecy Rate of NOMA-Enabled VLC Network with the Random-Way Point Mobility Model. , 2021, , .		3
534	Neuromorphic Sensors with Visible Light Communications. , 2022, , .		3
535	Squarewave FM optical fibre transmission for high-definition television signals. , 1990, , .		2
536	Optical fibre transmission of video and audio signals using square wave frequency modulation. IEEE Transactions on Consumer Electronics, 1993, 39, 33-39.	3.6	2
537	Mathematical modelling and BER analysis of 100 Gbs NOLM demultiplexer using a soliton-shaped pulse for control and data. IEE Proceedings: Optoelectronics, 2000, 147, 245-250.	0.8	2
538	Tunable fibre Bragg grating based optical cross connects using multi-port optical circulators: structure and crosstalk analyses. International Journal of Communication Systems, 2002, 15, 203-220.	2.5	2
539	Cascaded optical delay line architectures in the performance of optical MIN. , 0, , .		2
540	FUZZY BASED DESIGN OPTIMIZATION TO REDUCE THE CROSSTALK IN MICROSTRIP LINES. Journal of Circuits, Systems and Computers, 2004, 13, 121-136.	1.5	2

#	Article	IF	Citations
541	Hardware implementation of pragmatic Trellis Coded Modulation applied to 8PSK and 16QAM for DVB standard. , 2008, , .		2
542	A novel design of sharp transition FIR filter for digital beamforming. , 2008, , .		2
543	Diffuse Infrared Personal optical wireless based on modified OFDM/OQAM. , 2008, , .		2
544	SDR direct-sampling device for multistandard GNSS signals. , 2008, , .		2
545	Embedded node around a DSP core for mobile sensor networks over 802.11 infrastructure. , 2008, , .		2
546	An investigation of coded OFDM and CEOFDM waveforms utilizing different modulation schemes on HF channels. , 2008, , .		2
547	A multi-objective optimization framework for video compression and transmission. , 2008, , .		2
548	Development of a competition model for a cryptosystem based on the analytical hierarchic process. , 2008, , .		2
549	Two Dimensional Principle Component Analysis of Gabor features for face representation and recognition. , 2008, , .		2
550	System analysis of non-mechanical compact optical transceiver for wireless communications with a VCSEL array. , 2008, , .		2
551	Improvement on Cooperative Balanced Space-Time Block Coding with relay selection. , 2008, , .		2
552	An adaptive burst assembly scheme for OBS-GRID networks. , 2008, , .		2
553	Digitization of chaotic signal for reliable communication in non-ideal channels. , 2008, , .		2
554	A new miniaturized LTCC transversal bandpass filter for RF and microwave applications. , 2008, , .		2
555	Loss models in traffic-groomed WDM all-optical networks. , 2008, , .		2
556	Controlled loops: A new QoS differentiation framework for delay-sensitive OBS networks. , 2008, , .		2
557	Evaluation of a call admission control scheme in W-CDMA cellular networks. , 2008, , .		2
558	Wavelength requirements in optical transport networks based on high-altitude platforms. , 2008, , .		2

#	Article	IF	Citations
559	Identifying differentiating characteristics of internet applications using Principal Component Analysis. , 2008, , .		2
560	An analog front-end receiver with desensitization to input capacitance for free space optical communication. , 2008, , .		2
561	Experimental development and study of Wi-Fi and FSO links. , 2008, , .		2
562	Convolutional coded dual header pulse interval modulation for line of sight photonic wireless links. IET Optoelectronics, 2009, 3, 142-148.	3.3	2
563	Optimising the performance of digital pulse interval modulation with guard slots for diffuse indoor optical wireless links. IET Microwaves, Antennas and Propagation, 2011, 5, 1025.	1.4	2
564	A Fast Ethernet FSO Link Performance Under the Fog Controlled Environment. , 2011, , .		2
565	Investigation of imperfect control pulse effect on performance of the all-optical pulse-position-modulation routing scheme. , 2011, , .		2
566	Statistical analysis and modelling of one-minute global solar irradiance for a tropical country. , 2012, , .		2
567	Optimised non-uniform biasing technique for a high-speed optical router to achieve uniform semiconductor optical amplifier gain. IET Communications, 2012, 6, 484.	2.2	2
568	FFT size optimization for LTE RoF in nonlinear fibre propagation. , 2012, , .		2
569	Online artificial neural network equalization for a visible light communications system with an organic light emitting diode based transmitter. , 2013, , .		2
570	Investigation of Transformer Turns Ratio Between Feed and Slot of Aperture Coupled Slot Antenna by Using S_{11} Parameter. IEEE Transactions on Antennas and Propagation, 2013, 61, 5785-5787.	5.1	2
571	A report on H-FSO/RF antenna measurement for outdoor applications. , 2013, , .		2
572	Isolation enhancement and size reduction of printed-antenna pairs for broadband microwave-photonic access-point. , 2013, , .		2
573	Cellular indoor OWC systems with an optimal lambertian order and a handover algorithm. , 2014, , .		2
574	Experimental analysis of fibre nonâ€linearity on second harmonic optical microwave radioâ€overâ€fibre system. IET Circuits, Devices and Systems, 2014, 8, 334-338.	1.4	2
575	Hysteresis properties induced by variable polarization angle in the polarization switching of VCSELs. , 2014, , .		2
576	LED arrangement optimization for visible light communication systems. , 2015, , .		2

#	Article	IF	Citations
577	Chaotic signal dynamics of VCSEL for secure optical communication. , 2016, , .		2
578	Fundamental investigation of extending 4G-LTE signal over MMF/SMF-FSO under controlled turbulence conditions. , 2016, , .		2
579	Diversity for Mitigating Channel Effects. Signals and Communication Technology, 2016, , 431-450.	0.5	2
580	Visible Light indoor positioning through colored LEDs. , 2017, , .		2
581	Multi-band carrier-less amplitude and phase modulation for VLC: An overview. , 2017, , .		2
582	Indoor positioning using single transmitter for visible light communications system. , 2017, , .		2
583	Experimental research on SOPP-OSTBC scheme in UV communication with concise 2-PPM. , 2017, , .		2
584	Experimental demonstration of bidirectional IDMA for visible light communication. , 2017, , .		2
585	Optimization of locations of diffusion spots in indoor optical wireless local area networks. Optics Communications, 2018, 410, 577-584.	2.1	2
586	A brief survey and some discussions on chaos-based communication schemes. , 2018, , .		2
587	Comparative Study of Image Processing Performance of Camera-Based Visible Light Communication Using Android Acceleration Frameworks. , 2018, , .		2
588	Visible Light Communications: Simplified Co-Equalisation of Fast OFDM in a Multiple-Input Multiple-Output Configuration. , 2019, , .		2
589	The Channel Impulse Response of SIMO Underwater Optical Wireless Communication Link based on Monte Carlo Simulation. , 2019, , .		2
590	Impact of Camera Parameters on the OCC based Indoor Positioning System. , 2019, , .		2
591	A Flexible OLED based VLC Link with m-CAP Modulation. , 2019, , .		2
592	Optical Hybrid Fiber/Free-Space and 25 GHz Wireless Transmission using LTE M-QAM Signals. , 2019, , .		2
593	On Optically Pre-Amplified FSO-MISO Non-Identical Links with Correlation: Experiment and Analysis. , 2019, , .		2
594	Experimental Results on the Mitigation of Turbulence in Free Space Optics using Spatial Diversity. , 2020, , .		2

#	Article	IF	Citations
595	Editorial to the Special Issue on â€œVisible Light Communications, Networking, and Sensingâ€• Sensors, 2021, 21, 4004.	3.8	2
596	Pulse time modulation techniques for optical fibre communications. , 1995, , 89-121.		2
597	A Relay-Assisted Vehicular Visible Light Communications Network. , 2020, , .		2
598	Undersampled Digital PAM Subcarrier Modulation for Optical Camera Communications. , 2015, , .		2
599	Impact of Receiver Orientation on OLED-based Visible-Light D2D Communications. , 2021, , .		2
600	Power Allocation Optimization in NOMA-Based Multi-Cell VLC Networks. , 2021, , .		2
601	Influence of optical axons on the synaptic weights. , 2021, , .		2
602	Spectral predictions for pulse interval and width modulation. Electronics Letters, 1991, 27, 580.	1.0	2
603	An Artificial Neural Network Equalizer for Constant Power 4-PAM in Optical Camera Communications. , 2020, , .		2
604	Unipolar-pulse amplitude modulation frequency division multiplexing for visible light communication systems. Optical Engineering, 2020, 59, .	1.0	2
605	A Flexible OLED VLC System for an Office Environment. , 2020, , .		2
606	Analyzing Interface Bonding Schemes for VLC with Mobility and Shadowing. , 2020, , .		2
607	Visible light communication with OLEDs for D2D communications considering user movement and receiver orientations. Applied Optics, 2022, 61, 676.	1.8	2
608	On N-PAM and M-QAM implementation within the hybrid RoF-FSO-PON system. , 2020, , .		2
609	A Visible Light Positioning System based on Support Vector Machines. , 2021, , .		2
610	VLC frontends for IoT applications. , 2022, , .		2
611	Pulse position modulation spectral investigation. International Journal of Electronics, 1993, 74, 153-158.	1.4	1
612	<title>Hybrid pulse time modulation techniques</title>. , 1993, , .		1

#	Article	IF	Citations
613	Modeling of NOLM demultiplexers employing optical soliton control pulse. Microwave and Optical Technology Letters, 1999, 21, 205-208.	1.4	1
614	Analysis of optical time division multiplexed transmission. , 2000, , .		1
615	<title>Simulation of the passive recirculating fiber loop buffer</title>. , 2001, 4532, 500.		1
616	<title>Bit-error-rate analysis for PIM-CDMA optical wireless communication systems</title>. , 2001, 4214, 153.		1
617	Bit-error-rate analysis for hybrid PIM-CDMA optical wireless communication systems. Microwave and Optical Technology Letters, 2001, 31, 40-44.	1.4	1
618	Cross-talk analysis of optical time-division demultiplexer. Optical Engineering, 2001, 40, 1357.	1.0	1
619	BER analysis of a packet-based high-speed OTDM system employing all optical routers. Microwave and Optical Technology Letters, 2004, 41, 60-63.	1.4	1
620	Simulation of All-Optical Routing Employing PPM-based Header Processing in Photonic Packet Switched Core Network. , 2006, , .		1
621	Artificial-light-interference effects on indoor optical wireless links employing DH-PIM. Journal of Optical Networking, 2006, 5, 103.	2.5	1
622	Editorial: Communication systems, networks and digital signal processing. IET Circuits, Devices and Systems, 2008, 2, 37.	1.4	1
623	Chaos communication performance analysis: Taking advantage of statistical theory. , 2008, , .		1
624	A BIBD based MAC protocol for wireless ad hoc networks with directional antennas. , 2008, , .		1
625	An adaptive multi-purpose transmission scheme for H.264 encoded video in wireless networks. , 2008, , .		1
626	Influence of RF EMI filter structures on high speed digital signals. , 2008, , .		1
627	A lossless compression method for data from a spaceborne magnetometer. , 2008, , .		1
628	Performance investigation of pattern effect suppression in semiconductor optical amplifier using optical delay interferometer. , 2008, , .		1
629	Performance of DWT-ANN based signal detector/equalizer for DPIM in practical indoor optical wireless links. , 2008, , .		1
630	A separable kernel filter design procedure for signal time-frequency analysis. , 2008, , .		1

#	Article	IF	Citations
631	Space and atmospheric planetary communication links as scientific tools. , 2008, , .		1
632	Ultra-fast all-optical packet-switched routing with a hybrid header address correlation Scheme. , 2008, , .		1
633	Two links robot controlling based on time Petri net. , 2008, , .		1
634	Performance analysis of decentralized user information management system for peer-to-peer real-time communication services. , 2008, , .		1
635	Capacity-maximized MPPM constellations for free-space optical communications. , 2008, , .		1
636	Simulation of an all-optical 1 × 2 SMZ switch with a high contrast ratio. , 2008, , .		1
637	A novel approach to implementation of quantum entanglement purification in optical quantum communication. , 2008, , .		1
638	Blind seismic deconvolution of single channel using instantaneous independent component analysis. , 2008, , .		1
639	Numerical investigation and optimization of a 2D-Photonic Crystal Fiber with ultra-low confinement loss and ultra-flattened dispersion. , 2008, , .		1
640	Reduction of non-orthogonality effect in nanometrology system by modified optics and signal conditioner. , 2008, , .		1
641	Modeling the effects of DLTs and carrier transport on the turn-on delay, steady-state time and wavelength chirp of SCH-QW lasers. , 2009, , .		1
642	Slot error rate performance of DHâ€PIM with symbol retransmission for optical wireless links. European Transactions on Telecommunications, 2009, 20, 217-225.	1.2	1
643	The effect of the turn â€˜Onâ€™ resistance of an active device and the Q factor of the load harmonic network on the efficiency and efficiency bandwidth of a class E amplifier. , 2010, , .		1
644	Impact of signalwavelength on the semiconductor opticalamplifier gain uniformity for high speed optical routers employing the segmentation model. , 2010, , .		1
645	Analysis of RF power optimisation for SCM-based free space optical systems for IM3. Electronics Letters, 2011, 47, 1087.	1.0	1
646	Observer-based secure communication using indirect coupled synchronization. , 2012, , .		1
647	Optimisation of transmission bandwidth for indoor cellular OWC system using a dynamic handover decision-making algorithm. , 2012, , .		1
648	Monte-Carlo-based method for group delay ripple reduction in cascaded dispersion compensation FBGs. , 2013, , .		1

#	Article	IF	Citations
649	Evaluation of the beam wondering in free space optics by image analysis. , 2013, , .		1
650	Experimental study of the performance for BPSK subcarrier intensity modulation free space optics communications in a laboratory controlled turbulence channel. , 2013, , .		1
651	Bidirectional Wavelength Reconfigurable Module Based on Tunable Fiber Bragg Grating and Remote Pump Amplifier. Fiber and Integrated Optics, 2014, 33, 383-394.	2.5	1
652	Evaluation of the spherical concave mirror and convex lens in compensating turbulence effect on FSO systems. , 2014, , .		1
653	Relative intensity noise of vertical-cavity surface-emitting lasers subject to variable polarization-optical feedback. , 2014, , .		1
654	Performance evaluation of IDMA implementation with physical layer network coding. , 2014, , .		1
655	Channel characterization of a last-mile access radio over combined fibre and free-space optics system. , 2015, , .		1
656	Variable-polarization optical feedback induced high-quality polarization-resolved chaos synchronization in VCSEL. , 2015, , .		1
657	DBA with consideration of energy, delay and BW for community WDM-OFDM PON. , 2015, , .		1
658	Experimental demonstration of transmitting LTE over FSO for in-building POF networks. , 2015, , .		1
659	Optimal combiners in optical wireless systems with spatial diversity and pre-amplification. , 2016, , .		1
660	Spread spectrum-based white light communication with experiments. , 2016, , .		1
661	MIMO visible light communications system using imaging receiver with angle diversity detectors. , 2016, , .		1
662	Iterative multiuser detection with physical layer network coding for multi-pair communications. , 2016, , .		1
663	Time domain reshuffling for OFDM based indoor visible light communications. , 2016, , .		1
664	Efficient transmission under low dimming control levels in indoor visible light communications. , 2016, , .		1
665	Performance Analysis of FSO Communications Under Correlated Fading Conditions. Signals and Communication Technology, 2016, , 209-229.	0.5	1
666	Optimal Combiners in Pre-Amplified Optical Wireless Systems under Medium-to-Strong Atmospheric Turbulence. Image Processing & Communications, 2016, 21, 25-34.	0.3	1

#	Article	IF	Citations
667	Harmonic distortion dependent on optical feedback, temperature and injection current in a vertical cavity surface emitting laser. Journal Physics D: Applied Physics, 2016, 49, 145107.	2.8	1
668	Analysis of Rytov variance in free space optical communication under the weak turbulence. , 2017, , .		1
669	Introduction to the Feature Issue on IEEE ICC 2016 ONS Symposium and OWC Workshop. Journal of Optical Communications and Networking, 2017, 9, ICC1.	4.8	1
670	BICM-ID with Physical Layer Network Coding in TWR Free Space Optical Communication Links. Computers, 2017, 6, 24.	3.3	1
671	Organic visible light communications: Methods to achieve 10 Mb/s. , 2017, , .		1
672	An Interleave Division Multiple Access Based Scheme for Passive Optical Network. , 2018, , .		1
673	Investigating the optimal SCL decoding algorithm for polar codes in ultraviolet communication. , 2018, , .		1
674	Performance of Space Shift Keying over a Correlated Gamma-Gamma FSO-MISO Channel. , 2018, , .		1
675	Performance Evaluation of Various Training Algorithms for ANN Equalization in Visible Light Communications with an Organic LED. , 2019, , .		1
676	A Visible Light Positioning System with a Novel Positioning Algorithm and Two LEDs. , 2019, , .		1
677	Special Issue on: Optical Wireless Communications for Emerging Connectivity Requirements. IEEE Open Journal of the Communications Society, 2021, 2, 82-86.	6.9	1
678	A Real-time Vehicular Visible Light Communications for Smart Transportation. , 2020, , .		1
679	Experimental Evaluation of a Hermite Function-Based Multicarrier Scheme for VLC. , 2021, , .		1
680	Influence of Shielding in Asymmetric Planar Structures for MMICs Applications. Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium, 2009, 5, 181-186.	0.4	1
681	Modified chaotic shift keying using indirect coupled chaotic synchronization for secure digital communication. , 2011, , .		1
682	Multiple sidetone structure in pulse width modulation. Electronics Letters, 1988, 24, 516.	1.0	1
683	Analogue optical fibre communications. IEE Proceedings, Part J: Optoelectronics, 1993, 140, 345.	0.4	1
684	Efficient Frequency Domain Channel Equalization Methods for OFDM Visible Light Communications. , 2016, , .		1

#	Article	IF	Citations
685	Experimental Demonstration of Optical MIMO NOMA Passive Optical Network. , 2018, , .		1
686	Relayed FSO Links for Ground-to-Train Communications. , 2020, , .		1
687	Communication characteristics of high-brightness light sources based on luminescence concentration. , 2020, , .		1
688	Turbulence mitigation in a 28ÂGHz radioâ€overâ€freeâ€space optics link using an integrated Machâ€“Zehnder interferometer and a diversity combining receiver. IET Communications, 2020, 14, 3373-3379.	2.2	1
689	A Hybrid Variable m-CAP-Based Indoor Visible Light Communications and Fingerprint Positioning System. , 2020, , .		1
690	Implementation and Evaluation of a 10 Gbps Real-time FSO Link. , 2020, , .		1
691	Adaptive Equalization for Visible Light Communications with Power over Ethernet Backhaul. , 2020, , .		1
692	Impact of Number of LEDs on An Optical Camera Communication Based Indoor Positioning System. , 2020, , .		1
693	Performance Analysis of Indoor Vehicular VLC Links for Autonomous Driving. , 2021, , .		1
694	The Impact of Blocking and Shadowing on the Indoor Visible Light Positioning System. , 2021, , .		1
695	Special Issue on Light Communications: Latest Advances and Prospects. Applied Sciences (Switzerland), 2022, 12, 2349.	2.5	1
696	The effect of exposure time on the performance of an underwater optical camera communication system. , 2022, , .		1
697	Performance improvement of a CAP VLC system employing a deep learning-based post equalizer. Optics Communications, 2022, 524, 128741.	2.1	1
698	Pulse Width Modulation Laboratory Experiment Using an Optical Fibre Communication Link. International Journal of Electrical Engineering and Education, 1990, 27, 318-325.	0.8	0
699	Optical compound pulse time modulation for analogue fibre transmission. , 0, , .		0
700	Pulse time modulation techniques for low cost analog signal transmission systems. , 0, , .		0
701	<title>DC-to-wideband modulation in fiber systems</title>. , 1993, 1974, 90.		0
702	Spectral predictions for hybrid pulse frequency and width modulation. Electronics Letters, 1994, 30, 933-935.	1.0	0

#	Article	IF	Citations
703	<title>Pulse-time modulation for subcarrier-multiplexed systems</title>. , 1995, , .		0
704	<title>Pulse position modulation for a subcarrier-multiplexed optical fiber transmission system</title>. , 1996, , .		0
705	Optical characterization of amphiphilic, metal-free, nonperipheral phthalocyanine in Langmuir-Blodgett films. , 1996, 2852, 81.		0
706	The effect of rise time upon pulse shape and cross talk in high-speed digital interconnects. Microwave and Optical Technology Letters, 1997, 15, 328-331.	1.4	0
707	A voltage-controlled oscillator for use within a pulse frequency modulation system. International Journal of Electronics, 1998, 84, 37-44.	1.4	0
708	<title>Chemical sensors for the detection of organic pollutants</title>. , 1999, , .		0
709	<title>Minimizing the power penalty of a 100-Gb/s NOLM demultiplexer employing an optical soliton control pulse</title>. , 1999, 3847, 148.		0
710	Optical wireless communications: Systems and networks. International Journal of Communication Systems, 2000, 13, 517-518.	2.5	0
711	<title>Optical cross-connect crosstalk analysis based on scattering matrix</title>. , 2001, , .		0
712	<title>Effect of Gordon-Haus jitter on nonlinear optical loop mirror (NOLM) demultiplexing</title>. , 2001, , .		0
713	<title>Performance analysis of all-optical time division multiplexed router based on terahertz optical asymmetric demultiplexer</title>. , 2001, 4582, 152.		0
714	<title>Intraband and interband optical crosstalk in multiwavelength optical cross connects using tunable fiber Bragg gratings and optical circulators</title>. , 2001, 4598, 1.		0
715	Simulation of an all optical time division multiplexing router employing symmetric Mach-Zehnder (SMZ). , 0, , .		0
716	Adaptive dispersion compensation devices for optical communication systems. , 2002, , .		0
717	Performance characteristics of cascaded delay-line node architectures in single-path interconnection networks. International Journal of Communication Systems, 2004, 17, 447-457.	2.5	0
718	Self-Synchronization Scheme for OTDM Packet Signal Using a Symmetric Mach Zehnder Switch. , 0, , .		0
719	Editorial: Communication systems, networks and digital signal processing. IET Circuits, Devices and Systems, 2006, 153, 289.	0.6	0
720	Performance Analysis of the Parallel Optical All-Pass Filter Equalizer for Chromatic Dispersion Compensation at 10 Gb/s. , 2007, , .		0

#	Article	IF	Citations
721	Bit Error Rate Performance of Multiple-Channel OTDM Demultiplexer Employing A Chained Symmetric Mach-Zehnder Switch. , 2007, , .		0
722	Simulations of all-optical multiple-input AND-gate based on four wave mixing in a single semiconductor optical amplifier. , 2007, , .		0
723	WAP over TETRA trial services. , 2008, , .		0
724	Design of a communication and power supply system providing the spaceborne Magnetometer Front-end ASIC at remote locations. , 2008, , .		0
725	Simulated S-band satellite-to-indoor link, measurement results and channel characterization. , 2008, , .		0
726	New design process for optical chips. , 2008, , .		0
727	Decrease of Oscillator Phase Noise and I/Q Imbalance impacts on a WLAN transmitter using appropriate predistortion. , 2008, , .		0
728	All-optical decrementing of a packet’s time-to-live (TTL) field using logic XOR gates. , 2008, , .		0
729	Maximum entropy playout delay distribution for real-time speech communication in packet networks. , 2008, , .		0
730	Performance analysis of over-determined noisy ICA: Bayesian approach versus signal transformation. , 2008, , .		0
731	Distributed mobility management for fast terminals in an IP-based micro-cellular network along roads. , 2008, , .		0
732	LP decoding of LDPC codes in HARQ systems. , 2008, , .		0
733	Performance study of the Mobile IPv6 protocol and its variations. , 2008, , .		0
734	Dispersion-managed ring laser using SOA and dispersion-compensating fibre for pulse reshaping and clock recovery. , 2008, , .		0
735	Multi-space random projection of face biometric in the radon domain. , 2008, , .		0
736	Impact of physical effects onto the optimal signal power in CWDM optical networks. , 2008, , .		0
737	Characterization of the semiconductor optical amplifier for amplification and photonic switching employing the segmentation model. , 2008, , .		0
738	Authentication process based on the synchronization of chaotic oscillator networks. , 2008, , .		0

#	Article	IF	Citations
739	End-to-end service availability guarantee with Generalized Dedicated Protection. , 2008, , .		0
740	Asymptotic ergodic capacity of multidimensional vector-sensor array MIMO channels. , 2008, , .		0
741	Triple-wavelength fiber ring laser based on a hybrid gain medium actively mode-locked at 10 GHz. , 2008, , .		0
742	Performance analysis of an interferometric scheme for media with limited cross-phase modulation nonlinearity. , 2008, , .		0
743	Facility location and mobile transactions in a university environment. , 2008, , .		0
744	Fractal analysis of internet traffic using a parallel processing network simulator. , 2008, , .		0
745	Efficient recurrence relations for sinc^N FIR filter coefficients. , 2008, , .		0
746	Analytical model of the address auto-configuration protocol LHA in Ad hoc NEtworks. , 2008, , .		0
747	Dynamic traffic control for QoS-Aware IP networks using flatness based trajectory tacking controller. , 2008, , .		0
748	Adaptive electronic equalization for non-ideal optical coherent receivers. , 2008, , .		0
749	Performance evaluation of parallel download in streaming services. , 2008, , .		0
750	Characterization of set of vectors represented by lattices. , 2008, , .		0
751	Near field antenna development for metal and semiconductor detection. , 2008, , .		0
752	Multiple-Hop Routing in Ultrafast All-Optical Packet Switching Network Using Multiple PPM Routing Tables. , 2008, , .		0
753	Code design for coordinate interleaved coded cooperation. , 2008, , .		0
754	Physical architectures for packet-switching network nodes based on nonlinear logic gates. , 2008, , .		0
755	Employing concatenated-FEC to mitigate polarization-sensitivity in all-optical wavelength-conversion. , 2008, , .		0
756	Pulsed Digital Oscillators. , 2008, , .		0

#	Article	IF	Citations
757	A mixed data flow and local feedback in the resource allocation of Ad Hoc Networks. , 2008, , .		0
758	Spectral analysis of convolutional coded DPIM for indoor optical wireless communications. , 2008, , .		0
759	Towards real-time measurement of information in a scientific setting. , 2008, , .		0
760	Symbol synchronizers based on filter with Phase Lock Loop. , 2008, , .		0
761	Full-vectorial finite difference for optical analysis of travelling wave electroabsorption modulators. , 2008, , .		0
762	Chromatic dispersion compensation employing cascaded parallel optical all-pass filter. , 2010, , .		0
763	Radio over fibre transmission using optical millimeter wave in nonlinear fibre propagation. , 2012, , .		0
764	Bidirectional wavelength reconfigurable optical network using remote pump amplifier and tunable fiber Bragg gratings. , 2013, , .		0
765	Capacity analysis of free space optical links for a partially coherent Gaussian beam over a turbulent channel with pointing errors. , 2013, , .		0
766	BER evaluation/or 3×3 reconfigurable multiwavelength bidirectional optical cross-connect. , 2013, , .		0
767	Experimental study of coherent detection BPSK modulated communication link under controlled fog atmospheric conditions. , 2014, , .		0
768	Guest Editorial: Special Issue on Opticalâ€Wireless Communications. IET Optoelectronics, 2015, 9, 169-171.	3.3	0
769	Polarization RIN of VCSEL subject to modulation signal with variable polarization angle of optical feedback. , 2015, , .		0
770	An optimized Gaussian beam for multicell indoor optical wireless communications. Microwave and Optical Technology Letters, 2015, 57, 1049-1052.	1.4	0
771	Improvements in combined radio over multimode fibre and radio over FSO systems by applying mode filtering. , 2015, , .		0
772	A Real-Time 106ÂMbit/S Visible Light Communication System Design Using General Lighting LED with Analog Pre-emphasis. Lecture Notes in Electrical Engineering, 2016, , 51-57.	0.4	0
773	Experimental optimization of the hybrid RoMMF-FSO system using mode filtering techniques. , 2016, , .		0
774	Implementation and experimental demonstration of a real-time 7-DSSS VLC system based on FPGA. , 2016, , .		0

#	Article	IF	Citations
775	Interleaved frequency division multiple access for uplink VLC. , 2016, , .		0
776	Experimental study of a 2Ã—2 MIMO scheme for ultraviolet communications. , 2016, , .		0
777	Physical layer solutions for optical communications in space. , 2016, , .		0
778	Investigation on the error performance of modulation formats in free-space optical communication links with turbulences. , 2016, , .		0
779	Experimental demonstration of visible light communications with OFDM/OQAM modulation. , 2017, , .		0
780	Block interleaved frequency division multiple access for visible light communications. , 2017, , .		0
781	Receiver Parameters Effect on Underwater Optical Wireless Communication Performance in the Presence of Transmitted Gaussian Beam. , 2018, , .		0
782	UPWM-based Pulse Position Modulation for Optical Camera Communications. , 2018, , .		0
783	OFDM/OQAM for MIMO Visible Light Communications. , 2018, , .		0
784	Duobinary Modulation for Visible Light Communications. , 2019, , .		0
785	Optoelectronic Modelling, Circuit Design and Modulation for Polymer-Light Emitting Diodes for Visible Light Communication Systems. , 2019, , .		0
786	Non-Orthogonal Variable Multi-Band Carrier-Less Amplitude and Phase Modulation with Reduced Subcarriers. , 2019, , .		0
787	Experimental Investigation of Neuron Based Motion Detection in Internet of Things using Optical Camera Communications. , 2019, , .		0
788	Corrections to â€œChannel Characteristics of Visible Light Communications Within Dynamic Indoor Environmentâ€•[May 15 1719-1725]. Journal of Lightwave Technology, 2019, 37, 3435-3435.	4.6	0
789	Reinforcement Learning Adaptive Vertical Handover Scheme for Hybrid VLC-IR Networks in Ship Cabins. , 2021, , .		0
790	The Evaluation of an RoF System Using FSO and a Seamless Antenna Link for the 5G RAN. , 2021, , .		0
791	Evolution of ultra-short optical pulses in active DFB waveguides. European Physical Journal Special Topics, 2002, 12, 187-188.	0.2	0
792	Experimental Demonstration of IDMA-OFDM for Downlink Visible Light Communication. , 2017, , .		0

#	Article	IF	Citations
793	VLC with Organic Photonic Components. , 2017, , 521-548.		0
794	Flicker-free Multi-channel Transmitter Orientation in Camera based Optical Wireless Communications. , 2020, , .		0
795	Antnet Routing Algorithm with Link Evaporation and Multiple Ant Colonies to Overcome Stagnation Problem. , 0, , 255-274.		0
796	All-Optical Resilient Pulse-Position-Modulation-Based Packet-Switched Routing. , 0, , 109-133.		0
797	Performance of an Indoor Flexible OLED-based VLC Link. , 2020, , .		0
798	Performance Investigation of OCC-based Vehicle to Vehicle Communications. , 2020, , .		0
799	Bandwidth Dependency of (O)LEDs on Bias current. , 2020, , .		0
800	The Utilization of a Depth Sensor in Visible light Communications. , 2022, , .		0
801	On the Performance of Multi - Hop Radio and Optical Wireless Relaying Systems. , 2022, , .		0
802	Experimental real-time GbE MIMO FSO under fog conditions with software defined GNU Radio platform-based adaptive switching. Journal of Optical Communications and Networking, 2022, 14, 629.	4.8	0
803	Optimization and Design of a Diffuse OpticalWireless Sensor Network. Applied Optics, 0, , .	1.8	0