

Zabih Ghassemlooy

List of Publications by Year in descending order

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803
papers

11,956
citations

53751

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74108

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816
all docs

816
docs citations

816
times ranked

5345
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.	2.7	455
2	Emerging Optical Wireless Communications-Advances and Challenges. IEEE Journal on Selected Areas in Communications, 2015, 33, 1738-1749.	9.7	353
3	Optical Wireless Communications. , 0, , .		349
4	Performance Analysis of Gamma Fading FSO MIMO Links With Pointing Errors. Journal of Lightwave Technology, 2016, 34, 2158-2169.	2.7	197
5	Experimental Demonstration of 50-Mb/s Visible Light Communications Using 4-MIMO. IEEE Photonics Technology Letters, 2014, 26, 945-948.	1.3	193
6	Free-space optical communication employing subcarrier modulation and spatial diversity in atmospheric turbulence channel. IET Optoelectronics, 2008, 2, 16-23.	1.8	183
7	Artificial Neural Network Nonlinear Equalizer for Coherent Optical OFDM. IEEE Photonics Technology Letters, 2015, 27, 387-390.	1.3	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.	2.7	153
9	Pilot-Assisted PAPR Reduction Technique for Optical OFDM Communication Systems. Journal of Lightwave Technology, 2014, 32, 1374-1382.	2.7	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.	2.8	138
11	Channel Characteristics of Visible Light Communications Within Dynamic Indoor Environment. Journal of Lightwave Technology, 2015, 33, 1719-1725.	2.7	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.	2.7	109
14	Experimental Demonstration of RGB LED-Based Optical Camera Communications. IEEE Photonics Journal, 2015, 7, 1-12.	1.0	107
15	A VLC Smartphone Camera Based Indoor Positioning System. IEEE Photonics Technology Letters, 2018, 30, 1171-1174.	1.3	107
16	Performance analysis of a car-to-car visible light communication system. Applied Optics, 2015, 54, 1696.	0.9	101
17	Multihop Free-Space Optical Communications Over Turbulence Channels with Pointing Errors using Heterodyne Detection. Journal of Lightwave Technology, 2014, 32, 2597-2604.	2.7	99
18	An Indoor Visible Light Positioning System Based on Optical Camera Communications. IEEE Photonics Technology Letters, 2017, 29, 579-582.	1.3	95

#	ARTICLE	IF	CITATIONS
19	Experimental Demonstration of an Indoor VLC Positioning System Based on OFDMA. IEEE Photonics Journal, 2017, 9, 1-9.	1.0	94
20	Experimental demonstration of bidirectional NOMA-OFDMA visible light communications. Optics Express, 2017, 25, 4348.	1.7	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.	2.7	76
24	Smartphone Camera Based Visible Light Communication. Journal of Lightwave Technology, 2016, 34, 4121-4127.	2.7	75
25	Visible light communications: real time 10 Mb/s link with a low bandwidth polymer light-emitting diode. Optics Express, 2014, 22, 2830.	1.7	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.	2.7	72
27	Wide-FOV and High-Gain Imaging Angle Diversity Receiver for Indoor SDM-VLC Systems. IEEE Photonics Technology Letters, 2016, 28, 2078-2081.	1.3	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.	2.7	71
29	Multi-band carrier-less amplitude and phase modulation for bandlimited visible light communications systems. IEEE Wireless Communications, 2015, 22, 46-53.	6.6	68
30	Visible Light Communications towards 5G. Radioengineering, 2015, 24, 1-9.	0.3	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.	1.4	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.	2.7	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.	0.2	60
36	Underwater Optical Wireless Communications With Optical Amplification and Spatial Diversity. IEEE Photonics Technology Letters, 2016, 28, 2613-2616.	1.3	60

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37	Scintillation effect on intensity modulated laser communication systems—a laboratory demonstration. <i>Optics and Laser Technology</i> , 2010, 42, 682-692.	2.2	59
38	Single-conductor co-planar quasi-symmetry unequal power divider based on spoof surface plasmon polaritons of bow-tie cells. <i>AIP Advances</i> , 2016, 6, .	0.6	58
39	Generalized Dual-Band Unequal Filtering Power Divider With Independently Controllable Bandwidth. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017, 65, 3838-3848.	2.9	58
40	Compensating for Optical Beam Scattering and Wandering in FSO Communications. <i>Journal of Lightwave Technology</i> , 2014, 32, 1323-1328.	2.7	57
41	24–26 GHz radio-over-fiber and free-space optics for fifth-generation systems. <i>Optics Letters</i> , 2018, 43, 1035.	1.7	57
42	Fundamental analysis of a car to car visible light communication system. , 2014, , .		56
43	Experimental Demonstration of High-Speed 4 × 4 Imaging Multi-CAP MIMO Visible Light Communications. <i>Journal of Lightwave Technology</i> , 2018, 36, 1944-1951.	2.7	56
44	Wideband Filtering Power Divider With Ultra-Wideband Harmonic Suppression and Isolation. <i>IEEE Access</i> , 2016, 4, 6876-6882.	2.6	55
45	Modelling of free space optical link for ground-to-rail communications using a Gaussian source. <i>IET Optoelectronics</i> , 2013, 7, 1-8.	1.8	51
46	Enhancing the Atmospheric Visibility and Fog Attenuation Using a Controlled FSO Channel. <i>IEEE Photonics Technology Letters</i> , 2013, 25, 1262-1265.	1.3	51
47	Design and analysis of an angular-segmented full-mobility visible light communications receiver. <i>Transactions on Emerging Telecommunications Technologies</i> , 2014, 25, 591-599.	2.6	51
48	PAM- and CAP-Based Transmission Schemes for Visible-Light Communications. <i>IEEE Access</i> , 2017, 5, 27002-27013.	2.6	51
49	Visible Light Communications for Industrial Applications—Challenges and Potentials. <i>Electronics (Switzerland)</i> , 2020, 9, 2157.	1.8	50
50	Experimental study of the turbulence effect on underwater optical wireless communications. <i>Applied Optics</i> , 2018, 57, 8314.	0.9	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. <i>AIP Advances</i> , 2016, 6, .	0.6	47
53	Modeling turbulence in underwater wireless optical communications based on Monte Carlo simulation. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2017, 34, 1187.	0.8	47
54	Optical Camera Communications: Principles, Modulations, Potential and Challenges. <i>Electronics (Switzerland)</i> , 2020, 9, 1339.	1.8	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 Gamma-Gamma fading channels. Applied Optics, 2013, 52, 5903.	0.9	45
57	Wideband Filtering Power Divider With Embedded Transversal Signal-Interference Sections. IEEE Microwave and Wireless Components Letters, 2017, 27, 1068-1070.	2.0	45
58	Experimental characterization and mitigation of turbulence induced signal fades within an ad hoc FSO network. Optics Express, 2014, 22, 3208.	1.7	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.	1.0	44
60	Experimental Demonstration of a 1024-QAM Optical Camera Communication System. IEEE Photonics Technology Letters, 2016, 28, 139-142.	1.3	43
61	Ethernet FSO Communications Link Performance Study Under a Controlled Fog Environment. IEEE Communications Letters, 2012, 16, 408-410.	2.5	42
62	Free-Space Optical Communication Using Subcarrier 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.	1.3	41
64	M-QAM transmission over hybrid microwave photonic links at the K-band. Optics Express, 2019, 27, 33745.	1.7	41
65	Indoor Gigabit optical wireless communications: Challenges and possibilities. , 2010, , .		39
66	10-Gb/s visible light transmission system using a polymer light-emitting diode with orthogonal frequency division multiplexing. Optics Letters, 2014, 39, 3876.	1.7	39
67	A European view on the next generation optical wireless communication standard. , 2015, , .		39
68	Experimental verification of an all-optical dual-hop 10-Gbit/s free-space optics link under turbulence regimes. Optics Letters, 2015, 40, 391.	1.7	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.	3.5	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.	1.0	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. <i>Journal of Lightwave Technology</i> , 2015, 33, 244-250.	2.7	36
74	SVM-based detection in visible light communications. <i>Optik</i> , 2017, 151, 55-64.	1.4	35
75	The effect of NO ₂ on optical absorption in Langmuir-Blodgett films of octa-substituted amphiphilic copper phthalocyanine molecules. <i>Sensors and Actuators B: Chemical</i> , 1998, 49, 235-239.	4.0	34
76	Theoretical and Experimental Optimum System Design for LTE-RoF Over Varying Transmission Span and Identification of System Nonlinear Limit. <i>IEEE Photonics Journal</i> , 2012, 4, 1560-1571.	1.0	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. <i>Journal of Lightwave Technology</i> , 2013, 31, 3221-3228.	2.7	34
79	1.4-Mb/s White Organic LED Transmission System Using Discrete Multitone Modulation. <i>IEEE Photonics Technology Letters</i> , 2013, 25, 615-618.	1.3	34
80	Quantized Feedback-Based Differential Signaling for Free-Space Optical Communication System. <i>IEEE Transactions on Communications</i> , 2016, 64, 5176-5188.	4.9	34
81	Demonstration of a Hybrid FSO/MLC Link for the Last Mile and Last Meter Networks. <i>IEEE Photonics Journal</i> , 2019, 11, 1-7.	1.0	34
82	Dual header pulse interval modulation for dispersive indoor optical wireless communication systems. <i>IET Circuits, Devices and Systems</i> , 2002, 149, 187-192.	0.6	33
83	Hybrid wireless optics (HWO): Building the next-generation home network. , 2008, , .		33
84	Optical Camera Communications. <i>Signals and Communication Technology</i> , 2016, , 547-568.	0.4	33
85	Experimental Investigation of Environment Effects on the FSO Link With Turbulence. <i>IEEE Photonics Technology Letters</i> , 2017, 29, 1435-1438.	1.3	33
86	Seamless 25 GHz Transmission of LTE 4/16/64-QAM Signals Over Hybrid SMF/FSO and Wireless Link. <i>Journal of Lightwave Technology</i> , 2019, 37, 6040-6047.	2.7	33
87	Data Rate Enhancement in Optical Camera Communications Using an Artificial Neural Network Equaliser. <i>IEEE Access</i> , 2020, 8, 42656-42665.	2.6	33
88	FSO Detection Using Differential Signaling in Outdoor Correlated-Channels Condition. <i>IEEE Photonics Technology Letters</i> , 2016, 28, 55-58.	1.3	32
89	Optical Power Domain NOMA for Visible Light Communications. <i>IEEE Wireless Communications Letters</i> , 2019, 8, 1260-1263.	3.2	32
90	Effective Denoising and Adaptive Equalization of Indoor Optical Wireless Channel With Artificial Light Using the Discrete Wavelet Transform and Artificial Neural Network. <i>Journal of Lightwave Technology</i> , 2009, 27, 4493-4500.	2.7	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.	1.0	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.	1.5	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.	1.0	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.	2.9	30
99	Performance improvement of FSO system using multi-pulse position modulation and SIMO under atmospheric turbulence conditions and with pointing errors. IET Networks, 2018, 7, 165-172.	1.1	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 10BASE-T Ethernet visible light communications system using white phosphor light-emitting diodes. IET Circuits, Devices and Systems, 2014, 8, 322-330.	0.9	29
103	A new location system for an underground mining environment using visible light communications. , 2014, , .		29
104	Investigating channel frequency selectivity in indoor visible-light communication systems. IET Optoelectronics, 2016, 10, 80-88.	1.8	29
105	Short-range visible light ranging and detecting system using illumination light emitting diodes. IET Optoelectronics, 2016, 10, 94-99.	1.8	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.	2.7	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.	1.7	28

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109	BER and Outage Probability of DPSK Subcarrier Intensity Modulated Free Space Optics in Fully Developed Speckle. <i>Journal of Communications</i> , 2009, 4, .	1.3	28
110	2.7 Mb/s With a 93-kHz White Organic Light Emitting Diode and Real Time ANN Equalizer. <i>IEEE Photonics Technology Letters</i> , 2013, 25, 1687-1690.	1.3	27
111	400m rolling-shutter-based optical camera communications link. <i>Optics Letters</i> , 2020, 45, 1059.	1.7	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. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2012, 29, 1680.	0.8	26
114	Error performance of terrestrial free space optical links with subcarrier time diversity. <i>IET Communications</i> , 2012, 6, 499.	1.5	26
115	Impact of Link Parameters and Channel Correlation on the Performance of FSO Systems With the Differential Signaling Technique. <i>Journal of Optical Communications and Networking</i> , 2017, 9, 138.	3.3	26
116	Error performance of dual header pulse interval modulation (DH-PIM) in optical wireless communications. <i>IEE Proceedings: Optoelectronics</i> , 2001, 148, 91.	0.8	25
117	A 20-Mb/s VLC Link With a Polymer LED and a Multilayer Perceptron Equalizer. <i>IEEE Photonics Technology Letters</i> , 2014, 26, 1975-1978.	1.3	25
118	Experimental Demonstration of OFDM/OQAM Transmission for Visible Light Communications. <i>IEEE Photonics Journal</i> , 2016, 8, 1-10.	1.0	25
119	Effect of Correlation on BER Performance of the FSO-MISO System With Repetition Coding Over Gamma-Gamma Turbulence. <i>IEEE Photonics Journal</i> , 2017, 9, 1-15.	1.0	25
120	On the m-CAP Performance with Different Pulse Shaping Filters Parameters for Visible Light Communications. <i>IEEE Photonics Journal</i> , 2017, 9, 1-12.	1.0	25
121	On the performance of a mixed RF/MIMO FSO variable gain dual-hop transmission system. <i>Optics Communications</i> , 2018, 420, 59-64.	1.0	25
122	Analysis of Nyquist Pulse Shapes for Carrierless Amplitude and Phase Modulation in Visible Light Communications. <i>Journal of Lightwave Technology</i> , 2018, 36, 5023-5029.	2.7	25
123	Non-Line-of-Sight MIMO Space-Time Division Multiplexing Visible Light Optical Camera Communications. <i>Journal of Lightwave Technology</i> , 2019, 37, 2409-2417.	2.7	25
124	Digital pulse interval modulation for IR communication systems? a review. <i>International Journal of Communication Systems</i> , 2000, 13, 519-536.	1.6	24
125	Characterization and performance analysis of a TOAD switch employing a dual control pulse scheme in high-speed OTDM demultiplexer. <i>IEEE Communications Letters</i> , 2008, 12, 316-318.	2.5	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. <i>Journal of Modern Optics</i> , 2010, 57, 37-42.	0.6	24
128	Approximation to the Sum of Two Correlated Gamma-Gamma Variates and its Applications in Free-Space Optical Communications. <i>IEEE Wireless Communications Letters</i> , 2012, 1, 621-624.	3.2	24
129	Experimental Full Duplex Simultaneous Transmission of LTE Over a DWDM Directly Modulated RoF System. <i>Journal of Optical Communications and Networking</i> , 2014, 6, 8.	3.3	24
130	Performance analysis of space-diversity free-space optical systems over the correlated Gamma-Gamma fading channel using Padé approximation method. <i>IET Communications</i> , 2014, 8, 2246-2255.	1.5	24
131	Experimental demonstration of an NOMA-PON with single carrier transmission. <i>Optics Communications</i> , 2017, 396, 66-70.	1.0	24
132	Efficient frequency-domain channel equalisation methods for OFDM visible light communications. <i>IET Communications</i> , 2017, 11, 25-29.	1.5	24
133	Optical Camera Communications for IoT-Rolling-Shutter Based MIMO Scheme with Grouped LED Array Transmitter. <i>Sensors</i> , 2020, 20, 3361.	2.1	24
134	Baseline-wander effects on systems employing digital pulse-interval modulation. <i>IEE Proceedings: Optoelectronics</i> , 2000, 147, 295-300.	0.8	23
135	Reducing the effects of intersymbol interference in diffuse DPIM optical wireless communications. <i>IEE Proceedings: Optoelectronics</i> , 2003, 150, 445-452.	0.8	23
136	Comparison of hard-decision and soft-decision channel coded M -ary PPM performance over free space optical links. <i>European Transactions on Telecommunications</i> , 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 sol-gel films. <i>Journal of Materials Processing Technology</i> , 1998, 77, 86-94.	3.1	22
139	Laser attenuation by falling snow. , 2008, , .		22
140	Route diversity analyses for free-space optical wireless links within turbulent scenarios. <i>Optics Express</i> , 2013, 21, 7641.	1.7	22
141	Visible light communications: 375 Mbits/s data rate with a 160 kHz bandwidth organic photodetector and artificial neural network equalization [Invited]. <i>Photonics Research</i> , 2013, 1, 65.	3.4	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. <i>Sensors</i> , 2021, 21, 920.	2.1	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.	1.3	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.	2.7	21
151	A 1-Mb/s Visible Light Communications Link With Low Bandwidth Organic Components. IEEE Photonics Technology Letters, 2014, 26, 1295-1298.	1.3	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.	2.7	21
154	OFDM-PWM scheme for visible light communications. Optics Communications, 2017, 385, 213-218.	1.0	21
155	Vehicular VLC: A Ray Tracing Study Based on Measured Radiation Patterns of Commercial Taillights. IEEE Photonics Technology Letters, 2021, 33, 904-907.	1.3	21
156	Visible light communications: multi-band super-Nyquist CAP modulation. Optics Express, 2019, 27, 8912.	1.7	21
157	Visible light communications: increasing data rates with polarization division multiplexing. Optics Letters, 2020, 45, 2977.	1.7	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.	1.5	20
160	Effect of optimal Lambertian order for cellular indoor optical wireless communication and positioning systems. Optical Engineering, 2016, 55, 066114.	0.5	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.	1.3	20

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163	Mobile User Connectivity in Relay-Assisted Visible Light Communications. Sensors, 2018, 18, 1125.	2.1	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.	2.1	20
166	Coverage of a shopping mall with flexible OLED-based visible light communications. Optics Express, 2020, 28, 10015.	1.7	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.	4.9	20
168	Evaluation of intraband crosstalk in an FBG-OC-based optical cross connect. IEEE Photonics Technology Letters, 2002, 14, 212-214.	1.3	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.	2.5	19
171	Guest Editorial: Optical Wireless Communications. IEEE Journal on Selected Areas in Communications, 2015, 33, 1733-1737.	9.7	19
172	Use of Gaussian beam divergence to compensate for misalignment of underwater wireless optical communication links. IET Optoelectronics, 2017, 11, 171-175.	1.8	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.	1.4	18
177	2 \$imes\$ 80 Gbit/s DWDM Bidirectional Wavelength Reuse Optical Wireless Transmission. IEEE Photonics Journal, 2013, 5, 7901708-7901708.	1.0	18
178	Investigation of a hybrid OFDM-PWM/PPM visible light communications system. Optics Communications, 2018, 429, 65-71.	1.0	18
179	Performance evaluation of neural network assisted motion detection schemes implemented within indoor optical camera based communications. Optics Express, 2019, 27, 24082.	1.7	18
180	Polyelectrolyte self-assembled thin films containing cyclo-tetrachromotroplene for chemical and bio-sensing. Materials Science and Engineering C, 1999, 8-9, 123-126.	3.8	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€™N indoor optical camera communications. Applied Optics, 2018, 57, B144.	0.9	17
185	Experimental analysis of a triple-hop relay-assisted FSO system with turbulence. Optical Switching and Networking, 2019, 33, 194-198.	1.2	17
186	Spectrum-Efficient Triple-Layer Hybrid Optical OFDM for IM/DD-Based Optical Wireless Communications. IEEE Access, 2020, 8, 10352-10362.	2.6	17
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