

Zabih Ghassemlooy

List of Publications by Year in descending order

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803
papers

11,956
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816
all docs

816
docs citations

816
times ranked

5345
citing authors

#	ARTICLE	IF	CITATIONS
1	A SIMO Hybrid Visible-Light Communication System for Optical IoT. IEEE Internet of Things Journal, 2022, 9, 3548-3558.	8.7	11
2	UAV Location Optimization in MISO ZF Pre-Coded VLC Networks. IEEE Wireless Communications Letters, 2022, 11, 28-32.	5.0	7
3	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
4	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
5	Visible light communication with OLEDs for D2D communications considering user movement and receiver orientations. Applied Optics, 2022, 61, 676.	1.8	2
6	Performance Evaluation of Seamless 5G Outdoor RoFSO Transmission at 39 GHz. IEEE Photonics Technology Letters, 2022, 34, 7-10.	2.5	15
7	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
8	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
9	Special Issue on Light Communications: Latest Advances and Prospects. Applied Sciences (Switzerland), 2022, 12, 2349.	2.5	1
10	The Usage of ANN for Regression Analysis in Visible Light Positioning Systems. Sensors, 2022, 22, 2879.	3.8	3
11	Non-line-of-sight WDM-MIMO optical camera communications with the DBPWR algorithm. Optics Communications, 2022, 518, 128371.	2.1	9
12	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
13	Neuromorphic Sensors with Visible Light Communications. , 2022, , .		3
14	The Utilization of a Depth Sensor in Visible light Communications. , 2022, , .		0
15	On the Performance of Multi - Hop Radio and Optical Wireless Relaying Systems. , 2022, , .		0
16	The effect of exposure time on the performance of an underwater optical camera communication system. , 2022, , .		1
17	VLC frontends for IoT applications. , 2022, , .		2
18	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

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19	Performance improvement of a CAP VLC system employing a deep learning-based post equalizer. Optics Communications, 2022, 524, 128741.	2.1	1
20	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
21	An Indoor Visible Light Positioning System Using Tilted LEDs with High Accuracy. Sensors, 2021, 21, 920.	3.8	22
22	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
23	A 40 Mb/s VLC System Reusing an Existing Large LED Panel in an Indoor Office Environment. Sensors, 2021, 21, 1697.	3.8	13
24	Optical OFDM based on the fractional Fourier transform for an indoor VLC system. Applied Optics, 2021, 60, 2664.	1.8	10
25	Low-Complexity Receiver for HACO-OFDM in Optical Wireless Communications. IEEE Wireless Communications Letters, 2021, 10, 572-575.	5.0	6
26	Optical Filter-Less WDM for Visible Light Communications Using Defocused MIMO. Electronics (Switzerland), 2021, 10, 1065.	3.1	9
27	Performance of Vehicular Visible Light Communications under the Effects of Atmospheric Turbulence with Aperture Averaging. Sensors, 2021, 21, 2751.	3.8	13
28	The Utilization of Artificial Neural Network Equalizer in Optical Camera Communications. Sensors, 2021, 21, 2826.	3.8	16
29	Impact of Transmitter Positioning and Orientation Uncertainty on RSS-Based Visible Light Positioning Accuracy. Sensors, 2021, 21, 3044.	3.8	8
30	Optical camera communications link using an LED-coupled illuminating optical fiber. Optics Letters, 2021, 46, 2622.	3.3	12
31	A Machine Learning Based Signal Demodulator in NOMA-VLC. Journal of Lightwave Technology, 2021, 39, 3081-3087.	4.6	29
32	Investigation of the Scattering Noise in Underwater Optical Wireless Communications. Sci, 2021, 3, 27.	3.0	4
33	Fundamental Analysis of Vehicular Light Communications and the Mitigation of Sunlight Noise. IEEE Transactions on Vehicular Technology, 2021, 70, 5932-5943.	6.3	7
34	Editorial to the Special Issue on "Visible Light Communications, Networking, and Sensing". Sensors, 2021, 21, 4004.	3.8	2
35	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
36	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

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37	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
38	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
39	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
40	Joint Dimming Control and Optimal Power Allocation for THO-OFDM Visible Light Communications. IEEE Transactions on Communications, 2021, 69, 5352-5366.	7.8	7
41	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
42	Special Issue on: Optical Wireless Communications for Emerging Connectivity Requirements. IEEE Open Journal of the Communications Society, 2021, 2, 82-86.	6.9	1
43	Impact of Receiver Orientation on OLED-based Visible-Light D2D Communications. , 2021, , .		2
44	Experimental Evaluation of a Hermite Function-Based Multicarrier Scheme for VLC. , 2021, , .		1
45	Power Allocation Optimization in NOMA-Based Multi-Cell VLC Networks. , 2021, , .		2
46	Reinforcement Learning Adaptive Vertical Handover Scheme for Hybrid VLC-IR Networks in Ship Cabins. , 2021, , .		0
47	Influence of optical axons on the synaptic weights. , 2021, , .		2
48	The Evaluation of an RoF System Using FSO and a Seamless Antenna Link for the 5G RAN. , 2021, , .		0
49	A Visible Light Positioning System based on Support Vector Machines. , 2021, , .		2
50	Performance Analysis of Indoor Vehicular VLC Links for Autonomous Driving. , 2021, , .		1
51	The Impact of Blocking and Shadowing on the Indoor Visible Light Positioning System. , 2021, , .		1
52	Experimental Characterization of Fiber Optic Lighting - Optical Camera Communications. , 2021, , .		3
53	The Sum Secrecy Rate of NOMA-Enabled VLC Network with the Random-Way Point Mobility Model. , 2021, , .		3
54	Visible Light Communications for 6G Wireless Networks. , 2021, , .		7

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55	Expanded Multiband Super-Nyquist CAP Modulation for Highly Bandlimited Organic Visible Light Communications. IEEE Systems Journal, 2020, 14, 2544-2550.	4.6	7
56	A Power Domain Sparse Code Multiple Access Scheme for Visible Light Communications. IEEE Wireless Communications Letters, 2020, 9, 61-64.	5.0	15
57	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
58	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
59	A Head/Taillight Featuring Hybrid Planar Visible Light Communications/Millimetre Wave Antenna for Vehicular Communications. IEEE Access, 2020, 8, 135722-135729.	4.2	3
60	Dimming-Aware Interference Mitigation for NOMA-Based Multi-Cell VLC Networks. IEEE Communications Letters, 2020, 24, 2541-2545.	4.1	6
61	Utilization of an OLED-Based VLC System in Office, Corridor, and Semi-Open Corridor Environments. Sensors, 2020, 20, 6869.	3.8	20
62	Wideband QAM-over-SMF/turbulent FSO downlinks in a PON architecture for ubiquitous connectivity. Optics Communications, 2020, 475, 126281.	2.1	15
63	Sectorised base stations for FSO ground-to-rail communications. IET Optoelectronics, 2020, 14, 312-318.	3.3	5
64	Optical Camera Communications: Principles, Modulations, Potential and Challenges. Electronics (Switzerland), 2020, 9, 1339.	3.1	46
65	Visible Light Communications for Industrial Applications—Challenges and Potentials. Electronics (Switzerland), 2020, 9, 2157.	3.1	50
66	Vehicular Visible Light Communications: The Impact of Taillight Radiation Pattern. , 2020, , .		16
67	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
68	A Flexible Transport Layer Protocol Architecture for Handover in a Vehicular VLC Network. , 2020, , .		3
69	Experimental Results on the Mitigation of Turbulence in Free Space Optics using Spatial Diversity. , 2020, , .		2
70	Optical Axons for Electro-Optical Neural Networks. Sensors, 2020, 20, 6119.	3.8	11
71	Dynamic Physical-Layer Secured Link in a Mobile MIMO VLC System. IEEE Photonics Journal, 2020, 12, 1-14.	2.0	12
72	Analysis and Demonstration of Quasi Trace Orthogonal Space Time Block Coding for Visible Light Communications. IEEE Access, 2020, 8, 77164-77170.	4.2	12

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73	Experimental Demonstration of Compressive Sensing-Based Channel Estimation for MIMO-OFDM VLC. IEEE Wireless Communications Letters, 2020, , 1-1.	5.0	10
74	Optical Camera Communications for IoTâ€“Rolling-Shutter Based MIMO Scheme with Grouped LED Array Transmitter. Sensors, 2020, 20, 3361.	3.8	24
75	Data Rate Enhancement in Optical Camera Communications Using an Artificial Neural Network Equaliser. IEEE Access, 2020, 8, 42656-42665.	4.2	33
76	Spectrum-Efficient Triple-Layer Hybrid Optical OFDM for IM/DD-Based Optical Wireless Communications. IEEE Access, 2020, 8, 10352-10362.	4.2	17
77	Should Analogue Pre-Equalisers be Avoided in VLC Systems?. IEEE Photonics Journal, 2020, 12, 1-14.	2.0	11
78	A hybrid VLP and VLC system using m-CAP modulation and fingerprinting algorithm. Optics Communications, 2020, 473, 125699.	2.1	10
79	A Real-time Vehicular Visible Light Communications for Smart Transportation. , 2020, , .		1
80	Experimental Demonstration of a 40 Mb/s VLC System Using a Large Off-the-Shelf LED Panel. , 2020, , .		3
81	A Relay-Assisted Vehicular Visible Light Communications Network. , 2020, , .		2
82	Spatial frequency-based angular behavior of a short-range flicker-free MIMOâ€“OCC link. Applied Optics, 2020, 59, 10357.	1.8	9
83	Coverage of a shopping mall with flexible OLED-based visible light communications. Optics Express, 2020, 28, 10015.	3.4	20
84	Convolutional neural network-based signal demodulation method for NOMA-PON. Optics Express, 2020, 28, 14357.	3.4	9
85	400â€“m rolling-shutter-based optical camera communications link. Optics Letters, 2020, 45, 1059.	3.3	27
86	Visible light communications: increasing data rates with polarization division multiplexing. Optics Letters, 2020, 45, 2977.	3.3	21
87	Comprehensive optical and electrical characterization and evaluation of organic light-emitting diodes for visible light communication. Optical Engineering, 2020, 59, 1.	1.0	5
88	Experimental multi-user VLC system using non-orthogonal multi-band CAP modulation. Optics Express, 2020, 28, 18241.	3.4	6
89	Relayed FSO Links for Ground-to-Train Communications. , 2020, , .		1
90	An Artificial Neural Network Equalizer for Constant Power 4-PAM in Optical Camera Communications. , 2020, , .		2

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91	Impact of Transmitter Positioning Uncertainty on RSS-based Visible Light Positioning Accuracy. , 2020, , .		3
92	Unipolar-pulse amplitude modulation frequency division multiplexing for visible light communication systems. Optical Engineering, 2020, 59, .	1.0	2
93	Flicker-free Multi-channel Transmitter Orientation in Camera based Optical Wireless Communications. , 2020, , .		0
94	A Flexible OLED VLC System for an Office Environment. , 2020, , .		2
95	Analyzing Interface Bonding Schemes for VLC with Mobility and Shadowing. , 2020, , .		2
96	Communication characteristics of high-brightness light sources based on luminescence concentration. , 2020, , .		1
97	Turbulence mitigation in a 28GHz radio-over-free-space optics link using an integrated Mach-Zehnder interferometer and a diversity combining receiver. IET Communications, 2020, 14, 3373-3379.	2.2	1
98	Performance of an Indoor Flexible OLED-based VLC Link. , 2020, , .		0
99	Performance Investigation of OCC-based Vehicle to Vehicle Communications. , 2020, , .		0
100	Bandwidth Dependency of (O)LEDs on Bias current. , 2020, , .		0
101	Performance Evaluation of a MIMO VLC System Employing Single Carrier Modulation with Frequency Domain Equalization. , 2020, , .		3
102	Investigation of a WDM M-QAM RoF-RoFSO System. , 2020, , .		3
103	A Hybrid Variable m-CAP-Based Indoor Visible Light Communications and Fingerprint Positioning System. , 2020, , .		1
104	Implementation and Evaluation of a 10 Gbps Real-time FSO Link. , 2020, , .		1
105	On N-PAM and M-QAM implementation within the hybrid RoF-FSO-PON system. , 2020, , .		2
106	Adaptive Equalization for Visible Light Communications with Power over Ethernet Backhaul. , 2020, , .		1
107	Impact of Number of LEDs on An Optical Camera Communication Based Indoor Positioning System. , 2020, , .		1
108	Optimization of intensities and locations of diffuse spots in indoor optical wireless communications. Optical Switching and Networking, 2019, 33, 177-183.	2.0	3

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109	Duobinary Modulation for Visible Light Communications. , 2019, , .		0
110	Visible Light Communications: Simplified Co-Equalisation of Fast OFDM in a Multiple-Input Multiple-Output Configuration. , 2019, , .		2
111	The Channel Impulse Response of SIMO Underwater Optical Wireless Communication Link based on Monte Carlo Simulation. , 2019, , .		2
112	Performance Evaluation of Various Training Algorithms for ANN Equalization in Visible Light Communications with an Organic LED. , 2019, , .		1
113	Impact of Camera Parameters on the OCC based Indoor Positioning System. , 2019, , .		2
114	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
115	A 3 Å— 25 Mbps WDM-Ro-VLC System for Amateur Radio Applications. , 2019, , .		9
116	Optoelectronic Modelling, Circuit Design and Modulation for Polymer-Light Emitting Diodes for Visible Light Communication Systems. , 2019, , .		0
117	Experimental Demonstration of Staggered CAP Modulation for Low Bandwidth Red-Emitting Polymer-LED Based Visible Light Communications. , 2019, , .		5
118	Optical single carrier-interleaved frequency division multiplexing for visible light communication systems. Optik, 2019, 194, 162910.	2.9	7
119	System parameters effect on the turbulent underwater optical wireless communications link. Optik, 2019, 198, 163153.	2.9	13
120	Experimental validation of indoor relay-assisted visible light communications for a last-meter access network. Optics Communications, 2019, 451, 319-322.	2.1	11
121	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
122	Experimental Investigation of the Effects of Fog on Optical Camera-based VLC for a Vehicular Environment. , 2019, , .		19
123	Experimental Demonstration of Vehicle to Road Side Infrastructure Visible Light Communications. , 2019, , .		20
124	Non-Orthogonal Variable Multi-Band Carrier-Less Amplitude and Phase Modulation with Reduced Subcarriers. , 2019, , .		0
125	Implementation and Evaluation of a Gigabit Ethernet FSO Link for 'The Last Metre and Last Mile Access Network'. , 2019, , .		9
126	Investigation into Using Compensation for the Nonlinear Effects of the Output of LEDs in Visible Light Communication Systems. , 2019, , .		4

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127	Equivalent Circuit Model of High Power LEDs for VLC Systems. , 2019, , .		15
128	A Visible Light Positioning System with a Novel Positioning Algorithm and Two LEDs. , 2019, , .		1
129	An Adaptive Turbo Coded-OFDM Scheme for Visible Light Communications. , 2019, , .		5
130	Fog Mitigation Using SCM and Lens in FSO Communications. , 2019, , .		5
131	Experimental Investigation of Neuron Based Motion Detection in Internet of Things using Optical Camera Communications. , 2019, , .		0
132	Corrections to "Channel Characteristics of Visible Light Communications Within Dynamic Indoor Environment" [May 15 1719-1725]. Journal of Lightwave Technology, 2019, 37, 3435-3435.	4.6	0
133	A Flexible OLED based VLC Link with m-CAP Modulation. , 2019, , .		2
134	Optical Power Domain NOMA for Visible Light Communications. IEEE Wireless Communications Letters, 2019, 8, 1260-1263.	5.0	32
135	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
136	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
137	Optical Hybrid Fiber/Free-Space and 25 GHz Wireless Transmission using LTE M-QAM Signals. , 2019, , .		2
138	Hybrid Super-Nyquist CAP Modulation based VLC with Low Bandwidth Polymer LEDs. , 2019, , .		3
139	On Optically Pre-Amplified FSO-MISO Non-Identical Links with Correlation: Experiment and Analysis. , 2019, , .		2
140	A Simplified Model for the Rolling Shutter Based Camera in Optical Camera Communications. , 2019, , .		15
141	Multiple Access Techniques for VLC in Large Space Indoor Scenarios: A Comparative Study. , 2019, , .		16
142	Flight: A Flexible Light Communications network architecture for indoor environments. , 2019, , .		8
143	The first tests of smartphone camera exposure effect on optical camera communication links. , 2019, , .		7
144	Performance evaluation and comparison of spatial modulation and non-DC MIMO m-CAP techniques in indoor VLC system. IET Optoelectronics, 2019, 13, 281-287.	3.3	5

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145	Li-Tect: 3-D Monitoring and Shape Detection Using Visible Light Sensors. IEEE Sensors Journal, 2019, 19, 940-949.	4.7	11
146	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
147	Experimental analysis of a triple-hop relay-assisted FSO system with turbulence. Optical Switching and Networking, 2019, 33, 194-198.	2.0	17
148	Interference cancellation in MIMO NLOS optical-camera-communication-based intelligent transport systems. Applied Optics, 2019, 58, 9384.	1.8	12
149	Visible light communications: multi-band super-Nyquist CAP modulation. Optics Express, 2019, 27, 8912.	3.4	21
150	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
151	Performance evaluation of neural network assisted motion detection schemes implemented within indoor optical camera based communications. Optics Express, 2019, 27, 24082.	3.4	18
152	M-QAM transmission over hybrid microwave photonic links at the K-band. Optics Express, 2019, 27, 33745.	3.4	41
153	Power-code division non-orthogonal multiple access scheme for next-generation passive optical networks. Optics Express, 2019, 27, 35740.	3.4	15
154	Filter-less WDM for visible light communications using colored pulse amplitude modulation. Optics Letters, 2019, 44, 4849.	3.3	5
155	Experimental demonstration of an indoor positioning system based on artificial neural network. Optical Engineering, 2019, 58, 1.	1.0	8
156	Antiphase chaotic synchronization enhancement in a vertical cavity surface emitting laser. Applied Optics, 2019, 58, 9491.	1.8	3
157	The effect of fog on the probability density distribution of the ranging data of imaging laser radar. AIP Advances, 2018, 8, .	1.3	6
158	Experimental Demonstration of High-Speed 4 Å– 4 Imaging Multi-CAP MIMO Visible Light Communications. Journal of Lightwave Technology, 2018, 36, 1944-1951.	4.6	56
159	Undersampled-Based Modulation Schemes for Optical Camera Communications. , 2018, 56, 204-212.		63
160	Real-Time 262-Mb/s Visible Light Communication With Digital Predistortion Waveform Shaping. IEEE Photonics Journal, 2018, 10, 1-10.	2.0	15
161	On the performance of a mixed RF/MIMO FSO variable gain dual-hop transmission system. Optics Communications, 2018, 420, 59-64.	2.1	25
162	Experimental demonstration of SCMA for visible light communications. Optics Communications, 2018, 419, 36-40.	2.1	9

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163	Experimental demonstration of PAM-DWMT for passive optical network. Optics Communications, 2018, 418, 93-97.	2.1	3
164	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
165	Outage Analysis of a SIMO FSO System Over an Arbitrarily Correlated M -Distributed Channel. IEEE Photonics Technology Letters, 2018, 30, 141-144.	2.5	20
166	Arbitrary Multi-way Parallel Mathematical Operations Based on Planar Discrete Metamaterials. Plasmonics, 2018, 13, 599-607.	3.4	15
167	Optimization of locations of diffusion spots in indoor optical wireless local area networks. Optics Communications, 2018, 410, 577-584.	2.1	2
168	Non-Orthogonal Multi-band CAP for Highly Spectrally Efficient VLC Systems. , 2018, , .		14
169	An Image Sensor Based Indoor VLP System. , 2018, , .		6
170	Receiver Parameters Effect on Underwater Optical Wireless Communication Performance in the Presence of Transmitted Gaussian Beam. , 2018, , .		0
171	An Indoor Visible Light Positioning System Using Artificial Neural Network. , 2018, , .		10
172	UPWM-based Pulse Position Modulation for Optical Camera Communications. , 2018, , .		0
173	A brief survey and some discussions on chaos-based communication schemes. , 2018, , .		2
174	An Interleave Division Multiple Access Based Scheme for Passive Optical Network. , 2018, , .		1
175	OFDM/OQAM for MIMO Visible Light Communications. , 2018, , .		0
176	Comparative Study of Image Processing Performance of Camera-Based Visible Light Communication Using Android Acceleration Frameworks. , 2018, , .		2
177	Hybrid RoF-RoFSO System Using Directly Modulated Laser for 24 ~ 26 GHz 5G Networks. , 2018, , .		9
178	Optical Internet of Things within 5G: Applications and Challenges. , 2018, , .		29
179	Chaos Synchronization in Visible Light Communications with Variable Delays Induced by Multipath Fading. Applied System Innovation, 2018, 1, 45.	4.6	4
180	Impact of Camera Lens Aperture and the Light Source Size on Optical Camera Communications. , 2018, , .		8

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181	Investigation of WDM VLC Using Standard 5 mm RGB LEDs. , 2018, , .		3
182	A Complete Model for Underwater Optical Wireless Communications System. , 2018, , .		17
183	A Survey on Recent Advances in Organic Visible Light Communications. , 2018, , .		5
184	Investigating the optimal SCL decoding algorithm for polar codes in ultraviolet communication. , 2018, , .		1
185	Performance of Space Shift Keying over a Correlated Gamma-Gamma FSO-MISO Channel. , 2018, , .		1
186	A Spiking Neural Network with Visible Light Communications. , 2018, , .		3
187	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
188	Wideband bandpass-to-cell stop reconfigurable filtering power divider with bandwidth control and all-passband isolation. IET Microwaves, Antennas and Propagation, 2018, 12, 1852-1858.	1.4	15
189	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
190	Optical fibre sensors for monitoring phase transitions in phase changing materials. Smart Materials and Structures, 2018, 27, 105021.	3.5	5
191	A VLC Smartphone Camera Based Indoor Positioning System. IEEE Photonics Technology Letters, 2018, 30, 1171-1174.	2.5	107
192	Experimental demonstration of IDMA-OFDM for visible light communications. IET Communications, 2018, 12, 2099-2103.	2.2	3
193	Experimental demonstration of a non-orthogonal multiple access scheme for visible light communications with SCFDMA transmission. Physical Communication, 2018, 31, 181-186.	2.1	5
194	Undersampled Pulse Width Modulation for Optical Camera Communications. , 2018, , .		8
195	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
196	Investigation of a hybrid OFDM-PWM/PPM visible light communications system. Optics Communications, 2018, 429, 65-71.	2.1	18
197	Non-line-of-sight indoor optical camera communications. Applied Optics, 2018, 57, B144.	1.8	17
198	24-26 GHz radio-over-fiber and free-space optics for fifth-generation systems. Optics Letters, 2018, 43, 1035.	3.3	57

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199	Performance improvement of FSO system using multi-pulse pulse position modulation and SIMO under atmospheric turbulence conditions and with pointing errors. IET Networks, 2018, 7, 165-172.	1.8	30
200	Differential Signalling in Free-Space Optical Communication Systems. Applied Sciences (Switzerland), 2018, 8, 872.	2.5	9
201	Mobile User Connectivity in Relay-Assisted Visible Light Communications. Sensors, 2018, 18, 1125.	3.8	20
202	The Spatial Dimming Scheme for the MU-MIMO-OFDM VLC System. IEEE Photonics Journal, 2018, 10, 1-13.	2.0	15
203	Experimental study of the turbulence effect on underwater optical wireless communications. Applied Optics, 2018, 57, 8314.	1.8	50
204	Experimental Demonstration of Optical MIMO NOMA Passive Optical Network. , 2018, , .		1
205	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
206	Experimental Demonstration of an Indoor VLC Positioning System Based on OFDMA. IEEE Photonics Journal, 2017, 9, 1-9.	2.0	94
207	An Indoor Visible Light Positioning System Based on Optical Camera Communications. IEEE Photonics Technology Letters, 2017, 29, 579-582.	2.5	95
208	Experimental demonstration of interleaved division multiple access visible light communication. Optical Engineering, 2017, 56, 056101.	1.0	5
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