

Harald Haas

List of Publications by Year in descending order

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319
papers

24,113
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24809

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times ranked

11656
citing authors

#	ARTICLE	IF	CITATIONS
1	GaN-Based Series Hybrid LED Array: A Dual-Function Light Source With Illumination and High-Speed Visible Light Communication Capabilities. <i>Journal of Lightwave Technology</i> , 2024, 42, 243-250.	4.7	2
2	Optical OTFS is Capable of Improving the Bandwidth-, Power- and Energy-Efficiency of Optical OFDM. <i>IEEE Transactions on Communications</i> , 2024, 72, 938-953.	8.4	1
3	Experimental Demonstration of 38 Gbps Over 2.5 m OWC Systems With Eye-Safe 850 nm SM-VCSELs. <i>IEEE Photonics Technology Letters</i> , 2024, 36, 139-142.	2.5	1
4	Design and Optimization of High-Speed Receivers for 6G Optical Wireless Networks. <i>IEEE Transactions on Communications</i> , 2024, 72, 971-990.	8.4	3
5	Deep Learning Based End-to-End Optical Wireless Communication Systems With Autoencoders. <i>IEEE Communications Letters</i> , 2024, 28, 1342-1346.	4.4	0
6	Optimization of Surface Configuration in IRS-Aided MIMO-VLC: A BER Minimization Approach. <i>IEEE Photonics Journal</i> , 2024, 16, 1-12.	2.0	1
7	100 Gbps Indoor Access and 4.8 Gbps Outdoor Point-to-Point LiFi Transmission Systems Using Laser-Based Light Sources. <i>Journal of Lightwave Technology</i> , 2024, 42, 4146-4157.	4.7	1
8	Joint In-phase and Quadrature Non-orthogonal Multiple Access for Multi-User VLC. <i>Journal of Lightwave Technology</i> , 2024, , 1-10.	4.7	0
9	Laser-Based Indoor Mobile Wireless Communication Aided by Stabilizers. <i>IEEE Open Journal of the Communications Society</i> , 2024, , 1-1.	7.4	0
10	Optical Wireless 3D-Positioning and Device Orientation Estimation. <i>IEEE Open Journal of the Communications Society</i> , 2024, , 1-1.	7.4	0
11	Spatial and Wavelength Division Joint Multiplexing System Design for MIMO-OFDM Visible Light Communications. <i>IEEE Access</i> , 2024, , 1-1.	4.4	0
12	Neural Network Equalisation for High-Speed Eye-Safe Optical Wireless Communication with 850 nm SM-VCSELs. <i>Photonics</i> , 2024, 11, 772.	2.1	0
13	High-Speed Imaging Receiver Design for 6G Optical Wireless Communications: A Rate-FOV Trade-Off. <i>IEEE Transactions on Communications</i> , 2023, 71, 1024-1043.	8.4	10
14	On the Road to 6G: Visions, Requirements, Key Technologies, and Testbeds. <i>IEEE Communications Surveys and Tutorials</i> , 2023, 25, 905-974.	42.2	343
15	6G Fabric Compiles Microdomains for Sophisticated Service Delivery [From the Guest Editors]. <i>IEEE Vehicular Technology Magazine</i> , 2023, 18, 16-18.	3.8	0
16	Spatial Modulation Aided Physical Layer Security for NOMA-VLC Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2023, 72, 10286-10301.	6.7	3
17	On Symbol Error Performance of Probabilistic Shaping in Noise-Limited and Fading Channels. <i>IEEE Open Journal of the Communications Society</i> , 2023, 4, 1218-1228.	7.4	1
18	On the Performance of SPAD-Based Optical Wireless Communication With ACO-OFDM. <i>IEEE Communications Letters</i> , 2023, 27, 1809-1813.	4.4	3

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19	Frequency-Domain Channel Characteristics of Intelligent Reflecting Surface Assisted Visible Light Communication. <i>Journal of Lightwave Technology</i> , 2023, 41, 7355-7369.	4.7	2
20	Joint Optimization of Bitrate Selection and Beamforming for Holographic Video Cooperative Streaming in VLC Systems. <i>IEEE Communications Letters</i> , 2023, 27, 2608-2612.	4.4	1
21	A Complete Study of Space-Time-Frequency Statistical Properties of the 6G Pervasive Channel Model. <i>IEEE Transactions on Communications</i> , 2023, 71, 7273-7287.	8.4	2
22	Effects of LED Device Size on UV-C Short-Range LoS Optical Wireless Communication. <i>IEEE Photonics Journal</i> , 2023, 15, 1-8.	2.0	0
23	26 Gbit/s LiFi System With Laser-Based White Light Transmitter. <i>Journal of Lightwave Technology</i> , 2022, 40, 1432-1439.	4.7	25
24	LiFi through Reconfigurable Intelligent Surfaces: A New Frontier for 6G?. <i>IEEE Vehicular Technology Magazine</i> , 2022, 17, 37-46.	3.8	60
25	A VCSEL Array Transmission System With Novel Beam Activation Mechanisms. <i>IEEE Transactions on Communications</i> , 2022, 70, 1886-1900.	8.4	4
26	10-µm-wavelength division multiplexing using UV-A, UV-B, and UV-C micro-LEDs. <i>Photonics Research</i> , 2022, 10, 516.	6.9	24
27	Channel Modelling and Error Performance Investigation for Reading Lights Based In-Flight LiFi. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 4949-4964.	6.7	6
28	A Tb/s Indoor MIMO Optical Wireless Backhaul System Using VCSEL Arrays. <i>IEEE Transactions on Communications</i> , 2022, 70, 3995-4012.	8.4	23
29	5 Gbps optical wireless communication using commercial SPAD array receivers. <i>Optics Letters</i> , 2022, 47, 2294.	3.3	21
30	A Novel 3D Non-Stationary Channel Model for 6G Indoor Visible Light Communication Systems. <i>IEEE Transactions on Wireless Communications</i> , 2022, 21, 8292-8307.	10.1	24
31	WDM Based 10.8 Gbps Visible Light Communication With Probabilistic Shaping. <i>Journal of Lightwave Technology</i> , 2022, 40, 5062-5069.	4.7	18
32	Digital RIS (DRIS): The Future of Digital Beam Management in RIS-Assisted OWC Systems. <i>Journal of Lightwave Technology</i> , 2022, 40, 5597-5604.	4.7	12
33	Pervasive Wireless Channel Modeling Theory and Applications to 6G GBSMs for All Frequency Bands and All Scenarios. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 9159-9173.	6.7	81
34	Terabit Optical Wireless-Fiber Communication With Kramer-Kronig Receiver—Part II. <i>IEEE Communications Letters</i> , 2022, 26, 1969-1973.	4.4	6
35	Safety Analysis for Laser-Based Optical Wireless Communications: A Tutorial. <i>Proceedings of the IEEE</i> , 2022, 110, 1045-1072.	26.4	22
36	Terabit Optical Wireless-Fiber Communication With Kramer-Kronig Receiver—Part I. <i>IEEE Communications Letters</i> , 2022, 26, 1964-1968.	4.4	5

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37	Classification and Comparison of Massive MIMO Propagation Channel Models. IEEE Internet of Things Journal, 2022, 9, 23452-23471.	9.3	12
38	2D Generalized Optical Spatial Modulation for MIMO-OWC Systems. IEEE Photonics Journal, 2022, 14, 1-6.	2.0	6
39	Towards 6G wireless communication networks: vision, enabling technologies, and new paradigm shifts. Science China Information Sciences, 2021, 64, 1.	4.5	1,029
40	Optimization of the Receiving Orientation Angle for Zero-Forcing Precoding in VLC. IEEE Communications Letters, 2021, 25, 921-925.	4.4	10
41	Analysis of RIS-Based Terrestrial-FSO Link Over G-G Turbulence With Distance and Jitter Ratios. Journal of Lightwave Technology, 2021, 39, 6746-6758.	4.7	46
42	Hybrid LiFi and WiFi Networks: A Survey. IEEE Communications Surveys and Tutorials, 2021, 23, 1398-1420.	42.2	151
43	Realistic Secrecy Performance Analysis for LiFi Systems. IEEE Access, 2021, 9, 120675-120688.	4.4	6
44	Wireless Infrared-Based LiFi Uplink Transmission With Link Blockage and Random Device Orientation. IEEE Transactions on Communications, 2021, 69, 1175-1188.	8.4	14
45	Measurements-Based Channel Models for Indoor LiFi Systems. IEEE Transactions on Wireless Communications, 2021, 20, 827-842.	10.1	41
46	Organic photovoltaics for simultaneous energy harvesting and high-speed MIMO optical wireless communications. Light: Science and Applications, 2021, 10, 41.	16.2	43
47	Physical Layer Security for Multi-User MIMO Visible Light Communication Systems With Generalized Space Shift Keying. IEEE Transactions on Communications, 2021, 69, 2585-2598.	8.4	28
48	Re-Configurable Intelligent Surface-Based VLC Receivers Using Tunable Liquid-Crystals: The Concept. Journal of Lightwave Technology, 2021, 39, 3193-3200.	4.7	55
49	On the Design of Optical Energy Harvesting and Storage Systems for Outdoor Small Cells. , 2021, , .		1
50	Toward the Use of Re-configurable Intelligent Surfaces in VLC Systems: Beam Steering. IEEE Wireless Communications, 2021, 28, 156-162.	10.4	40
51	An Optimal Networked LiFi Access Point Slicing Scheme for Internet-of-Things. , 2021, , .		3
52	Adaptive WDMA. , 2021, , .		2
53	Coherent LiFi System With Spatial Multiplexing. IEEE Transactions on Communications, 2021, 69, 4632-4643.	8.4	7
54	Bias Point Optimisation in LiFi for Capacity Enhancement. Journal of Lightwave Technology, 2021, 39, 5021-5027.	4.7	9

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55	Invoking Deep Learning for Joint Estimation of Indoor LiFi User Position and Orientation. IEEE Journal on Selected Areas in Communications, 2021, 39, 2890-2905.	15.9	32
56	Effect of Sunlight on Photovoltaics as Optical Wireless Communication Receivers. Journal of Lightwave Technology, 2021, 39, 6182-6190.	4.7	10
57	iDim: Practical Implementation of Index Modulation for LiFi Dimming. IEEE Transactions on Green Communications and Networking, 2021, 5, 1880-1891.	5.9	8
58	FusionVLP: The Fusion of Photodiode and Camera for Visible Light Positioning. IEEE Transactions on Vehicular Technology, 2021, 70, 11796-11811.	6.7	12
59	The Evolution of Optical OFDM. IEEE Communications Surveys and Tutorials, 2021, 23, 1430-1457.	42.2	58
60	Physical-Layer Security in 6G Networks. IEEE Open Journal of the Communications Society, 2021, 2, 1901-1914.	7.4	67
61	Transmit Precoding for Physical Layer Security of MIMO-NOMA-Based Visible Light Communications. , 2021, , .		3
62	High-Speed MIMO Communication and Simultaneous Energy Harvesting Using Novel Organic Photovoltaics. , 2021, , .		1
63	Recent Advancements in Optical Wireless Communications. , 2021, , .		0
64	4 Gbps wireless optical communications up to 5 m using a UV-C micro-light-emitting diode array. , 2021, , .		6
65	Spectral Efficient and High Performance LiFi Color Dimming. , 2021, , .		0
66	A hybrid OCC-LiFi system with dimming capability. , 2021, , .		3
67	Multi-Gigabit/s LiFi Networking for 6G. , 2021, , .		1
68	Design of a Power Amplifying-RIS for Free-Space Optical Communication Systems. IEEE Wireless Communications, 2021, 28, 152-159.	10.4	25
69	Visible-light communications and light fidelity. , 2020, , 443-493.		19
70	Spatial Modulated Multicarrier Sparse Code-Division Multiple Access. IEEE Transactions on Wireless Communications, 2020, 19, 610-623.	10.1	14
71	Load Balancing for Hybrid LiFi and WiFi Networks: To Tackle User Mobility and Light-Path Blockage. IEEE Transactions on Communications, 2020, 68, 1675-1683.	8.4	45
72	Gb/s Underwater Wireless Optical Communications Using Series-Connected GaN Micro-LED Arrays. IEEE Photonics Journal, 2020, 12, 1-10.	2.0	42

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73	A Compressive Sensing Assisted Massive SM-VBLAST System: Error Probability and Capacity Analysis. IEEE Transactions on Wireless Communications, 2020, 19, 1990-2005.	10.1	28
74	Introduction to indoor networking concepts and challenges in LiFi. Journal of Optical Communications and Networking, 2020, 12, A190.	5.0	124
75	A Tb/s Indoor Optical Wireless Backhaul System Using VCSEL Arrays. , 2020, , .		21
76	End-to-End Energy Efficiency Evaluation for B5G Ultra Dense Networks. , 2020, , .		4
77	An Orientation-Based Random Waypoint Model for User Mobility in Wireless Networks. , 2020, , .		19
78	On the Performance of Single Side-Band OFDM for Band-Limited Visible Light Communication. , 2020, , .		3
79	A Tb/s Indoor Optical Wireless Access System Using VCSEL Arrays. , 2020, , .		17
80	Simultaneous Wireless Data and Power Transfer for a 1-Gb/s GaAs VCSEL and Photovoltaic Link. IEEE Photonics Technology Letters, 2020, 32, 1277-1280.	2.5	39
81	The UK Programmable Fixed and Mobile Internet Infrastructure: Overview, Capabilities and Use Cases Deployment. IEEE Access, 2020, 8, 175398-175411.	4.4	4
82	The Movement-Rotation (MR) Correlation Function and Coherence Distance of VLC Channels. Journal of Lightwave Technology, 2020, 38, 6759-6770.	4.7	8
83	Optical wireless communications for cyber-secure ubiquitous wireless networks. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20200162.	2.1	10
84	Optical wireless communication. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20200051.	3.5	64
85	Reflection-Based Relaying Techniques in Visible Light Communications: Will it Work?. IEEE Access, 2020, 8, 80922-80935.	4.4	6
86	Physical-Layer Security in Visible Light Communications. , 2020, , .		22
87	The Bit Error Performance and Information Transfer Rate of SPAD Array Optical Receivers. IEEE Transactions on Communications, 2020, 68, 5689-5705.	8.4	17
88	IQ-WDM for IEEE 802.11bb-based LiFi. , 2020, , .		4
89	Multi-Hop Wireless Optical Backhauling for LiFi Attocell Networks: Bandwidth Scheduling and Power Control. IEEE Transactions on Wireless Communications, 2020, 19, 5676-5691.	10.1	4
90	Over 10 Gbps VLC for Long-Distance Applications Using a GaN-Based Series-Biased Micro-LED Array. IEEE Photonics Technology Letters, 2020, 32, 499-502.	2.5	66

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91	Generalized Time Slot Index Modulation for Optical Wireless Communications. IEEE Transactions on Communications, 2020, 68, 3706-3719.	8.4	7
92	Hybrid multiplexing in OFDM-based VLC systems. , 2020, , .		6
93	Studies of Flatness of LiFi Channel for IEEE 802.11bb. , 2020, , .		6
94	On the Information Transfer Rate of SPAD Arrays. , 2020, , .		2
95	Realistic Indoor Hybrid WiFi and OFDMA-Based LiFi Networks. IEEE Transactions on Communications, 2020, 68, 2978-2991.	8.4	55
96	Physical-Layer Security With Optical Generalized Space Shift Keying. IEEE Transactions on Communications, 2020, 68, 3042-3056.	8.4	35
97	Physical Layer Security for Visible Light Communication Systems: A Survey. IEEE Communications Surveys and Tutorials, 2020, 22, 1887-1908.	42.2	128
98	Distortion losses of high-speed single-photon avalanche diode optical receivers approaching quantum sensitivity. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190194.	3.5	3
99	Software-Defined Networking-Enabled Heterogeneous Wireless Networks and Applications Convergence. IEEE Access, 2020, 8, 66672-66692.	4.4	14
100	Advanced LiFi technology: Laser light. , 2020, , .		15
101	Gigabit per second visible light communication based on AlGaInP red micro-LED micro-transfer printed onto diamond and glass. Optics Express, 2020, 28, 12149.	3.4	21
102	Triple-cation perovskite solar cells for visible light communications. Photonics Research, 2020, 8, A16.	6.9	27
103	Secrecy capacity of LiFi systems. , 2020, , .		3
104	Flexible LED Index Modulation for MIMO Optical Wireless Communications. , 2020, , .		4
105	Angle Diversity Receiver in LiFi Cellular Networks. , 2019, , .		22
106	A Novel Transmit Array Structure for Optical Spatial Modulation. , 2019, , .		1
107	Bidirectional Optical Spatial Modulation for Mobile Users: Toward a Practical Design for LiFi Systems. IEEE Journal on Selected Areas in Communications, 2019, 37, 2069-2086.	15.9	51
108	MIMO System with Multi-Directional Receiver in Optical Wireless Communications. , 2019, , .		14

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109	Cyclic-Prefixed System with PAM using DFE and THP for Uplink Transmission in LiFi. , 2019, , .		6
110	Index Time Division Multiple Access (I-TDMA) for LiFi Systems. , 2019, , .		4
111	RSS-Based Handover Skipping for Ultra-Dense Attocell Networks. , 2019, , .		0
112	Random Receiver Orientation Effect on Channel Gain in LiFi Systems. , 2019, , .		13
113	Mobility-aware load balancing for hybrid LiFi and WiFi networks. Journal of Optical Communications and Networking, 2019, 11, 588.	5.0	35
114	LiFi Opportunities and Challenges. , 2019, , .		11
115	Performance Comparison Between Coherent and DCO-OFDM LiFi Systems. , 2019, , .		5
116	An Omnidirectional User Equipment Configuration to Support Mobility in LiFi Networks. , 2019, , .		14
117	An Experimental Demonstration of an Energy Efficient DMT Technique for LiFi Systems. , 2019, , .		1
118	SNR Statistics of Indoor Mobile VLC Users with Random Device Orientation. , 2019, , .		17
119	Towards Energy Neutral Wireless Communications: Photovoltaic Cells to Connect Remote Areas. Energies, 2019, 12, 3772.	3.2	22
120	OFDM-Based Optical Spatial Modulation. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 1433-1444.	11.6	23
121	Terminal Orientation in OFDM-Based LiFi Systems. IEEE Transactions on Wireless Communications, 2019, 18, 4003-4016.	10.1	39
122	Dynamic Multiple Access Configuration in Intelligent Lifi Attocellular Access Points. IEEE Access, 2019, 7, 62126-62141.	4.4	19
123	Handover Skipping for LiFi. IEEE Access, 2019, 7, 38369-38378.	4.4	58
124	Impact of Device Orientation on Error Performance of LiFi Systems. IEEE Access, 2019, 7, 41690-41701.	4.4	47
125	15.73ÅGb/s Visible Light Communication With Off-the-Shelf LEDs. Journal of Lightwave Technology, 2019, 37, 2418-2424.	4.7	182
126	Compressive Sensing Assisted Generalized Quadrature Spatial Modulation for Massive MIMO Systems. IEEE Transactions on Communications, 2019, 67, 4795-4810.	8.4	19

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127	Neural Network-Based Joint Spatial and Temporal Equalization for MIMO-VLC System. IEEE Photonics Technology Letters, 2019, 31, 821-824.	2.5	31
128	Access Point Selection Scheme for LiFi Cellular Networks using Angle Diversity Receivers. , 2019, , .		10
129	Opportunities and Challenges of Future LiFi. , 2019, , .		5
130	Generalized Time Slot Index Modulation for LiFi. , 2019, , .		4
131	A Study of Sojourn Time for Indoor LiFi Cellular Networks. , 2019, , .		7
132	Effects of Irregular Photodiode Configurations for Indoor MIMO VLC with Mobile Users. , 2019, , .		3
133	High-Speed Visible Light Communication Based on a III-Nitride Series-Biased Micro-LED Array. Journal of Lightwave Technology, 2019, 37, 1180-1186.	4.7	57
134	A Tractable Approach to Joint Transmission in Multiuser Visible Light Communication Networks. IEEE Transactions on Mobile Computing, 2019, 18, 2231-2242.	6.4	14
135	A Wireless Optical Backhaul Solution for Optical Attocell Networks. IEEE Transactions on Wireless Communications, 2019, 18, 807-823.	10.1	24
136	Modeling the Random Orientation of Mobile Devices: Measurement, Analysis and LiFi Use Case. IEEE Transactions on Communications, 2019, 67, 2157-2172.	8.4	150
137	On-chip GaN-based dual-color micro-LED arrays and their application in visible light communication. Optics Express, 2019, 27, A1517.	3.4	48
138	Solar Cell Receiver Free-Space Optical for 5G Backhaul. , 2019, , .		8
139	Pump-power-dependence of a CsPbBr ₃ -in-Cs ₄ PbBr ₆ quantum dot color converter. Optical Materials Express, 2019, 9, 3504.	3.0	7
140	1â€‰Gbps free-space deep-ultraviolet communications based on III-nitride micro-LEDs emitting at 262â€‰nm. Photonics Research, 2019, 7, B41.	6.9	95
141	Robust and Low-Complexity Timing Synchronization for DCO-OFDM LiFi Systems. IEEE Journal on Selected Areas in Communications, 2018, 36, 53-65.	15.9	34
142	A Survey of Positioning Systems Using Visible LED Lights. IEEE Communications Surveys and Tutorials, 2018, 20, 1963-1988.	42.2	433
143	The Impact of Solar Irradiance on Visible Light Communications. Journal of Lightwave Technology, 2018, 36, 2376-2386.	4.7	94
144	Link Selection in Hybrid RF/VLC Systems Under Statistical Queueing Constraints. IEEE Transactions on Wireless Communications, 2018, 17, 2738-2754.	10.1	46

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145	Statistical Modeling of Single-Photon Avalanche Diode Receivers for Optical Wireless Communications. IEEE Transactions on Communications, 2018, 66, 4043-4058.	8.4	69
146	Anticipatory Association for Indoor Visible Light Communications: Light, Follow Me!. IEEE Transactions on Wireless Communications, 2018, 17, 2499-2510.	10.1	37
147	Physical-Layer Security in Multiuser Visible Light Communication Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 162-174.	15.9	127
148	Flexible Glass Hybridized Colloidal Quantum Dots for Gb/s Visible Light Communications. IEEE Photonics Journal, 2018, 10, 1-11.	2.0	12
149	Joint User Association and Power Allocation for Cell-Free Visible Light Communication Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 136-148.	15.9	63
150	Efficient Analytical Calculation of Non-Line-of-Sight Channel Impulse Response in Visible Light Communications. Journal of Lightwave Technology, 2018, 36, 1666-1682.	4.7	32
151	Bidirectional User Throughput Maximization Based on Feedback Reduction in LiFi Networks. IEEE Transactions on Communications, 2018, 66, 3172-3186.	8.4	57
152	Cooperative Spatial Modulation for Cellular Networks. IEEE Transactions on Communications, 2018, 66, 3683-3693.	8.4	19
153	0.5-Gb/s OFDM-Based Laser Data and Power Transfer Using a GaAs Photovoltaic Cell. IEEE Photonics Technology Letters, 2018, 30, 841-844.	2.5	47
154	LiFi is a paradigm-shifting 5G technology. Reviews in Physics, 2018, 3, 26-31.	9.3	229
155	Coverage Analysis of Multiuser Visible Light Communication Networks. IEEE Transactions on Wireless Communications, 2018, 17, 1630-1643.	10.1	28
156	Orientation Model of Mobile Device for Indoor VLC and Millimetre Wave Systems. , 2018, , .		18
157	Bandwidth Scheduling and Power Control for Wireless Backhauling in Optical Attocell Networks. , 2018, , .		5
158	OFDM-Based Spatial Modulation for Optical Wireless Communications. , 2018, , .		15
159	Physical-Layer Security for Indoor Visible Light Communications with Space Shift Keying Modulation. , 2018, , .		4
160	Power Consumption Evaluation in High Speed Visible Light Communication Systems. , 2018, , .		6
161	The Impact of Long Dead Time on the Photocount Distribution of SPAD Receivers. , 2018, , .		8
162	0.5-Gb/s OFDM-Based Laser Data and Power Transfer using a GaAs Photovoltaic Cell. , 2018, , .		3

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163	Downlink Performance of Optical OFDM in Outdoor Visible Light Communication. IEEE Access, 2018, 6, 76854-76866.	4.4	24
164	A 2-D Non-Stationary GBPM for Vehicular Visible Light Communication Channels. IEEE Transactions on Wireless Communications, 2018, 17, 7981-7992.	10.1	41
165	Energy-Efficient Adaptive MIMO-VLC Technique for Indoor LiFi Applications. , 2018, , .		19
166	Interference Mitigation for Indoor Optical Attocell Networks Using an Angle Diversity Receiver. Journal of Lightwave Technology, 2018, 36, 3866-3881.	4.7	39
167	Operating an In-Cabin Femto-Cellular System Within a Given LTE Cellular Network. IEEE Transactions on Vehicular Technology, 2018, 67, 7677-7689.	6.7	6
168	Achieving Minimum Error in MISO Optical Spatial Modulation. , 2018, , .		13
169	Inflight Connectivity: Deploying Different Communication Networks inside an Aircraft. , 2018, , .		11
170	Coordinated Scheduling for Aircraft In-Cabin LTE Deployment under Practical Constraints. , 2018, , .		1
171	Handover Probability of Hybrid LiFi/RF-Based Networks with Randomly-Oriented Devices. , 2018, , .		18
172	Omnidirectional Transmitter and Receiver Design for Wireless Infrared Uplink Transmission in LiFi. , 2018, , .		26
173	Bidirectional LiFi Attocell Access Point Slicing Scheme. IEEE Transactions on Network and Service Management, 2018, 15, 909-922.	5.4	25
174	Impact of terminal orientation on performance in LiFi systems. , 2018, , .		24
175	Optimization of Load Balancing in Hybrid LiFi/RF Networks. IEEE Transactions on Communications, 2017, 65, 1708-1720.	8.4	100
176	Performance Analysis of Receive Space Modulation in the Shadowing MIMO Broadcast Channel. IEEE Transactions on Communications, 2017, 65, 1972-1983.	8.4	11
177	Space Division Multiple Access for Optical Attocell Network Using Angle Diversity Transmitters. Journal of Lightwave Technology, 2017, 35, 2118-2131.	4.7	44
178	A Multigigabit per Second Integrated Multiple-Input Multiple-Output VLC Demonstrator. Journal of Lightwave Technology, 2017, 35, 4358-4365.	4.7	40
179	Handover Modeling for Indoor Li-Fi Cellular Networks: The Effects of Receiver Mobility and Rotation. , 2017, , .		54
180	Optical MIMO-OFDM with Generalized LED Index Modulation. IEEE Transactions on Communications, 2017, , 1-1.	8.4	80

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181	Load Balancing Game With Shadowing Effect for Indoor Hybrid LiFi/RF Networks. IEEE Transactions on Wireless Communications, 2017, 16, 2366-2378.	10.1	84
182	Quadrature Spatial Modulation for 5G Outdoor Millimeter-Wave Communications: Capacity Analysis. IEEE Transactions on Wireless Communications, 2017, 16, 2882-2890.	10.1	57
183	Access Point Selection for Hybrid Li-Fi and Wi-Fi Networks. IEEE Transactions on Communications, 2017, 65, 5375-5385.	8.4	120
184	Physical layer security for optical attocell networks. , 2017, , .		14
185	A wireless backhaul solution using visible light communication for indoor Li-Fi attocell networks. , 2017, , .		20
186	High-Speed Integrated Digital to Light Converter for Short Range Visible Light Communication. IEEE Photonics Technology Letters, 2017, 29, 118-121.	2.5	16
187	Performance Evaluation of Downlink Cooperative Multipoint Joint Transmission in LiFi Systems. , 2017, , .		20
188	Why would 5G need optical wireless communications?. , 2017, , .		57
189	On throughput maximization based on optimal update interval in Li-Fi networks. , 2017, , .		13
190	Aggregate Signal Interference of Downlink LiFi Networks. , 2017, , .		2
191	Towards 10 Gb/s orthogonal frequency division multiplexing-based visible light communication using a GaN violet micro-LED. Photonics Research, 2017, 5, A35.	6.9	289
192	On the Information Transfer Rate of SPAD Receivers for Optical Wireless Communications. , 2016, , .		15
193	SDN-enabled Li-Fi/Wi-Fi wireless medium access technologies integration framework. , 2016, , .		12
194	LiFi: Conceptions, misconceptions and opportunities. , 2016, , .		45
195	Energy Efficient Visible Light Communications Relying on Amorphous Cells. IEEE Journal on Selected Areas in Communications, 2016, 34, 894-906.	15.9	54
196	Indoor Optical Wireless Power Transfer to Small Cells at Nighttime. Journal of Lightwave Technology, 2016, 34, 3236-3258.	4.7	60
197	LED Based Wavelength Division Multiplexed 10 Gb/s Visible Light Communications. Journal of Lightwave Technology, 2016, 34, 3047-3052.	4.7	193
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