

Harald Haas

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

269
papers

15,166
citations

53
h-index

118
g-index

295
ext. papers

19,521
ext. citations

6.8
avg, IF

7.32
L-index

#	Paper	IF	Citations
269	10 Gbps wavelength division multiplexing using UV-A, UV-B, and UV-C micro-LEDs. <i>Photonics Research</i> , 2022 , 10, 516	6	4
268	Channel Modelling and Error Performance Investigation for Reading Lights Based In-flight LiFi. <i>IEEE Transactions on Vehicular Technology</i> , 2022 , 1-1	6.8	1
267	A Tb/s Indoor MIMO Optical Wireless Backhaul System Using VCSEL Arrays. <i>IEEE Transactions on Communications</i> , 2022 , 1-1	6.9	0
266	A Novel 3D Non-Stationary Channel Model for 6G Indoor Visible Light Communication Systems. <i>IEEE Transactions on Wireless Communications</i> , 2022 , 1-1	9.6	5
265	WDM Based 10.8 Gbps Visible Light Communication with Probabilistic Shaping. <i>Journal of Lightwave Technology</i> , 2022 , 1-1	4	0
264	Digital RIS (DRIS): The Future of Digital Beam Management in RIS-Assisted OWC Systems. <i>Journal of Lightwave Technology</i> , 2022 , 1-1	4	2
263	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 , 1-1	6.8	5
262	4 Gbps wireless optical communications up to 5 m using a UV-C micro-light-emitting diode array 2021 ,		2
261	26 Gbit/s LiFi system with laser-based white light transmitter. <i>Journal of Lightwave Technology</i> , 2021 , 1-1	4	4
260	LiFi Through Reconfigurable Intelligent Surfaces: A New Frontier for 6G?. <i>IEEE Vehicular Technology Magazine</i> , 2021 , 2-11	9.9	11
259	A VCSEL Array Transmission System with Novel Beam Activation Mechanisms. <i>IEEE Transactions on Communications</i> , 2021 , 1-1	6.9	1
258	Physical Layer Security for Multi-User MIMO Visible Light Communication Systems With Generalized Space Shift Keying. <i>IEEE Transactions on Communications</i> , 2021 , 69, 2585-2598	6.9	9
257	Re-Configurable Intelligent Surface-Based VLC Receivers Using Tunable Liquid-Crystals: The Concept. <i>Journal of Lightwave Technology</i> , 2021 , 39, 3193-3200	4	19
256	Toward the Use of Re-configurable Intelligent Surfaces in VLC Systems: Beam Steering. <i>IEEE Wireless Communications</i> , 2021 , 28, 156-162	13.4	13
255	Towards 6G wireless communication networks: vision, enabling technologies, and new paradigm shifts. <i>Science China Information Sciences</i> , 2021 , 64, 1	3.4	264
254	Optimization of the Receiving Orientation Angle for Zero-Forcing Precoding in VLC. <i>IEEE Communications Letters</i> , 2021 , 25, 921-925	3.8	2
253	Analysis of RIS-Based Terrestrial-FSO Link over G-G Turbulence with Distance and Jitter Ratios. <i>Journal of Lightwave Technology</i> , 2021 , 1-1	4	9

252	Hybrid LiFi and WiFi Networks: A Survey. <i>IEEE Communications Surveys and Tutorials</i> , 2021 , 23, 1398-1420	37.1	36
251	Realistic Secrecy Performance Analysis for LiFi Systems. <i>IEEE Access</i> , 2021 , 9, 120675-120688	3.5	2
250	Wireless Infrared-Based LiFi Uplink Transmission With Link Blockage and Random Device Orientation. <i>IEEE Transactions on Communications</i> , 2021 , 69, 1175-1188	6.9	5
249	Measurements-Based Channel Models for Indoor LiFi Systems. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 827-842	9.6	14
248	Organic photovoltaics for simultaneous energy harvesting and high-speed MIMO optical wireless communications. <i>Light: Science and Applications</i> , 2021 , 10, 41	16.7	11
247	Coherent LiFi System With Spatial Multiplexing. <i>IEEE Transactions on Communications</i> , 2021 , 69, 4632-4643	3	1
246	Bias Point Optimisation in LiFi for Capacity Enhancement. <i>Journal of Lightwave Technology</i> , 2021 , 39, 5021-5027	4	3
245	Invoking Deep Learning for Joint Estimation of Indoor LiFi User Position and Orientation. <i>IEEE Journal on Selected Areas in Communications</i> , 2021 , 39, 2890-2905	14.2	4
244	Effect of Sunlight on Photovoltaics as Optical Wireless Communication Receivers. <i>Journal of Lightwave Technology</i> , 2021 , 39, 6182-6190	4	1
243	iDim: Practical implementation of index modulation for LiFi Dimming. <i>IEEE Transactions on Green Communications and Networking</i> , 2021 , 1-1	4	1
242	FusionVLP: The Fusion of Photodiode and Camera for Visible Light Positioning. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1	6.8	0
241	The Evolution of Optical OFDM. <i>IEEE Communications Surveys and Tutorials</i> , 2021 , 23, 1430-1457	37.1	15
240	Physical-Layer Security in 6G Networks. <i>IEEE Open Journal of the Communications Society</i> , 2021 , 2, 1901-1914	17.4	12
239	Design of a Power Amplifying-RIS for Free-Space Optical Communication Systems. <i>IEEE Wireless Communications</i> , 2021 , 28, 152-159	13.4	4
238	Optical wireless communications for cyber-secure ubiquitous wireless networks. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2020 , 476, 20200162	2.4	3
237	Optical wireless communication. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020 , 378, 20200051	3	13
236	Reflection-Based Relaying Techniques in Visible Light Communications: Will it Work?. <i>IEEE Access</i> , 2020 , 8, 80922-80935	3.5	2
235	Physical-Layer Security in Visible Light Communications 2020 ,		12

234	The Bit Error Performance and Information Transfer Rate of SPAD Array Optical Receivers. <i>IEEE Transactions on Communications</i> , 2020 , 68, 5689-5705	6.9	6
233	IQ-WDM for IEEE 802.11bb-based LiFi 2020 ,		1
232	Multi-Hop Wireless Optical Backhauling for LiFi Attocell Networks: Bandwidth Scheduling and Power Control. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 5676-5691	9.6	2
231	Over 10 Gbps VLC for Long-Distance Applications Using a GaN-Based Series-Biased Micro-LED Array. <i>IEEE Photonics Technology Letters</i> , 2020 , 32, 499-502	2.2	25
230	Generalized Time Slot Index Modulation for Optical Wireless Communications. <i>IEEE Transactions on Communications</i> , 2020 , 68, 3706-3719	6.9	3
229	Studies of Flatness of LiFi Channel for IEEE 802.11bb 2020 ,		1
228	Realistic Indoor Hybrid WiFi and OFDMA-Based LiFi Networks. <i>IEEE Transactions on Communications</i> , 2020 , 68, 2978-2991	6.9	26
227	Physical-Layer Security With Optical Generalized Space Shift Keying. <i>IEEE Transactions on Communications</i> , 2020 , 68, 3042-3056	6.9	17
226	Physical Layer Security for Visible Light Communication Systems: A Survey. <i>IEEE Communications Surveys and Tutorials</i> , 2020 , 22, 1887-1908	37.1	47
225	Distortion losses of high-speed single-photon avalanche diode optical receivers approaching quantum sensitivity. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020 , 378, 20190194	3	3
224	Advanced LiFi technology: Laser light 2020 ,		9
223	Gigabit per second visible light communication based on AlGaInP red micro-LED micro-transfer printed onto diamond and glass. <i>Optics Express</i> , 2020 , 28, 12149-12156	3.3	11
222	Triple-cation perovskite solar cells for visible light communications. <i>Photonics Research</i> , 2020 , 8, A16	6	15
221	Visible-light communications and light fidelity 2020 , 443-493		6
220	Spatial Modulated Multicarrier Sparse Code-Division Multiple Access. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 610-623	9.6	10
219	Load Balancing for Hybrid LiFi and WiFi Networks: To Tackle User Mobility and Light-Path Blockage. <i>IEEE Transactions on Communications</i> , 2020 , 68, 1675-1683	6.9	18
218	Gb/s Underwater Wireless Optical Communications Using Series-Connected GaN Micro-LED Arrays. <i>IEEE Photonics Journal</i> , 2020 , 12, 1-10	1.8	16
217	A Compressive Sensing Assisted Massive SM-VBLAST System: Error Probability and Capacity Analysis. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 1990-2005	9.6	16

216	Introduction to indoor networking concepts and challenges in LiFi. <i>Journal of Optical Communications and Networking</i> , 2020 , 12, A190	4.1	43
215	A Tb/s Indoor Optical Wireless Backhaul System Using VCSEL Arrays 2020 ,		5
214	End-to-End Energy Efficiency Evaluation for B5G Ultra Dense Networks 2020 ,		1
213	An Orientation-Based Random Waypoint Model for User Mobility in Wireless Networks 2020 ,		7
212	On the Performance of Single Side-Band OFDM for Band-Limited Visible Light Communication 2020		1
211	A Tb/s Indoor Optical Wireless Access System Using VCSEL Arrays 2020 ,		1
210	Simultaneous Wireless Data and Power Transfer for a 1-Gb/s GaAs VCSEL and Photovoltaic Link. <i>IEEE Photonics Technology Letters</i> , 2020 , 32, 1277-1280	2.2	15
209	The UK Programmable Fixed and Mobile Internet Infrastructure: Overview, Capabilities and Use Cases Deployment. <i>IEEE Access</i> , 2020 , 8, 175398-175411	3.5	0
208	The Movement-Rotation (MR) Correlation Function and Coherence Distance of VLC Channels. <i>Journal of Lightwave Technology</i> , 2020 , 38, 6759-6770	4	1
207	Software-Defined Networking-Enabled Heterogeneous Wireless Networks and Applications Convergence. <i>IEEE Access</i> , 2020 , 8, 66672-66692	3.5	4
206	LiFi Opportunities and Challenges 2019 ,		7
205	Performance Comparison Between Coherent and DCO-OFDM LiFi Systems 2019 ,		3
204	An Omnidirectional User Equipment Configuration to Support Mobility in LiFi Networks 2019 ,		11
203	An Experimental Demonstration of an Energy Efficient DMT Technique for LiFi Systems 2019 ,		1
202	SNR Statistics of Indoor Mobile VLC Users with Random Device Orientation 2019 ,		11
201	Towards Energy Neutral Wireless Communications: Photovoltaic Cells to Connect Remote Areas. <i>Energies</i> , 2019 , 12, 3772	3.1	12
200	OFDM-Based Optical Spatial Modulation. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2019 , 13, 1433-1444	7.5	13
199	Terminal Orientation in OFDM-Based LiFi Systems. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 4003-4016	9.6	24

198	Dynamic Multiple Access Configuration in Intelligent LiFi Attocellular Access Points. <i>IEEE Access</i> , 2019 , 7, 62126-62141	3.5	11
197	Handover Skipping for LiFi. <i>IEEE Access</i> , 2019 , 7, 38369-38378	3.5	31
196	Impact of Device Orientation on Error Performance of LiFi Systems. <i>IEEE Access</i> , 2019 , 7, 41690-41701	3.5	26
195	15.73 Gb/s Visible Light Communication With Off-the-Shelf LEDs. <i>Journal of Lightwave Technology</i> , 2019 , 37, 2418-2424	4	87
194	Compressive Sensing Assisted Generalized Quadrature Spatial Modulation for Massive MIMO Systems. <i>IEEE Transactions on Communications</i> , 2019 , 67, 4795-4810	6.9	15
193	Neural Network-Based Joint Spatial and Temporal Equalization for MIMO-VLC System. <i>IEEE Photonics Technology Letters</i> , 2019 , 31, 821-824	2.2	13
192	Angle Diversity Receiver in LiFi Cellular Networks 2019 ,		11
191	A Novel Transmit Array Structure for Optical Spatial Modulation 2019 ,		1
190	Bidirectional Optical Spatial Modulation for Mobile Users: Toward a Practical Design for LiFi Systems. <i>IEEE Journal on Selected Areas in Communications</i> , 2019 , 37, 2069-2086	14.2	22
189	MIMO System with Multi-Directional Receiver in Optical Wireless Communications 2019 ,		11
188	Cyclic-Prefixed System with PAM using DFE and THP for Uplink Transmission in LiFi 2019 ,		5
187	Index Time Division Multiple Access (I-TDMA) for LiFi Systems 2019 ,		3
186	Random Receiver Orientation Effect on Channel Gain in LiFi Systems 2019 ,		5
185	Mobility-aware load balancing for hybrid LiFi and WiFi networks. <i>Journal of Optical Communications and Networking</i> , 2019 , 11, 588	4.1	13
184	On-chip GaN-based dual-color micro-LED arrays and their application in visible light communication. <i>Optics Express</i> , 2019 , 27, A1517-A1528	3.3	25
183	Solar Cell Receiver Free-Space Optical for 5G Backhaul 2019 ,		6
182	1 Gbps free-space deep-ultraviolet communications based on III-nitride micro-LEDs emitting at 262 nm. <i>Photonics Research</i> , 2019 , 7, B41	6	52
181	Access Point Selection Scheme for LiFi Cellular Networks using Angle Diversity Receivers 2019 ,		5

180	Opportunities and Challenges of Future LiFi 2019 ,		1
179	Generalized Time Slot Index Modulation for LiFi 2019 ,		2
178	A Study of Sojourn Time for Indoor LiFi Cellular Networks 2019 ,		5
177	Effects of Irregular Photodiode Configurations for Indoor MIMO VLC with Mobile Users 2019 ,		1
176	High-Speed Visible Light Communication Based on a III-Nitride Series-Biased Micro-LED Array. <i>Journal of Lightwave Technology</i> , 2019 , 37, 1180-1186	4	37
175	A Tractable Approach to Joint Transmission in Multiuser Visible Light Communication Networks. <i>IEEE Transactions on Mobile Computing</i> , 2019 , 18, 2231-2242	4.6	7
174	A Wireless Optical Backhaul Solution for Optical Attocell Networks. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 807-823	9.6	19
173	Modeling the Random Orientation of Mobile Devices: Measurement, Analysis and LiFi Use Case. <i>IEEE Transactions on Communications</i> , 2019 , 67, 2157-2172	6.9	74
172	A Survey of Positioning Systems Using Visible LED Lights. <i>IEEE Communications Surveys and Tutorials</i> , 2018 , 20, 1963-1988	37.1	224
171	The Impact of Solar Irradiance on Visible Light Communications. <i>Journal of Lightwave Technology</i> , 2018 , 36, 2376-2386	4	58
170	Link Selection in Hybrid RF/VLC Systems Under Statistical Queueing Constraints. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 2738-2754	9.6	28
169	Statistical Modeling of Single-Photon Avalanche Diode Receivers for Optical Wireless Communications. <i>IEEE Transactions on Communications</i> , 2018 , 66, 4043-4058	6.9	35
168	Anticipatory Association for Indoor Visible Light Communications: Light, Follow Me!. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 2499-2510	9.6	25
167	Physical-Layer Security in Multiuser Visible Light Communication Networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2018 , 36, 162-174	14.2	88
166	Flexible Glass Hybridized Colloidal Quantum Dots for Gb/s Visible Light Communications. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-11	1.8	5
165	Joint User Association and Power Allocation for Cell-Free Visible Light Communication Networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2018 , 36, 136-148	14.2	40
164	Efficient Analytical Calculation of Non-Line-of-Sight Channel Impulse Response in Visible Light Communications. <i>Journal of Lightwave Technology</i> , 2018 , 36, 1666-1682	4	23
163	Bidirectional User Throughput Maximization Based on Feedback Reduction in LiFi Networks. <i>IEEE Transactions on Communications</i> , 2018 , 66, 3172-3186	6.9	44

162	Cooperative Spatial Modulation for Cellular Networks. <i>IEEE Transactions on Communications</i> , 2018 , 66, 3683-3693	6.9	12
161	0.5-Gb/s OFDM-Based Laser Data and Power Transfer Using a GaAs Photovoltaic Cell. <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 841-844	2.2	31
160	LiFi is a paradigm-shifting 5G technology. <i>Reviews in Physics</i> , 2018 , 3, 26-31	11.3	128
159	Achieving Minimum Error in MISO Optical Spatial Modulation 2018 ,		10
158	Inflight Connectivity: Deploying Different Communication Networks inside an Aircraft 2018 ,		5
157	Coordinated Scheduling for Aircraft In-Cabin LTE Deployment under Practical Constraints 2018 ,		1
156	Handover Probability of Hybrid LiFi/RF-Based Networks with Randomly-Oriented Devices 2018 ,		13
155	Omnidirectional Transmitter and Receiver Design for Wireless Infrared Uplink Transmission in LiFi 2018 ,		14
154	Bidirectional LiFi Attocell Access Point Slicing Scheme. <i>IEEE Transactions on Network and Service Management</i> , 2018 , 15, 909-922	4.8	12
153	Impact of terminal orientation on performance in LiFi systems 2018 ,		17
152	Coverage Analysis of Multiuser Visible Light Communication Networks. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 1630-1643	9.6	20
151	Orientation Model of Mobile Device for Indoor VLC and Millimetre Wave Systems 2018 ,		10
150	Bandwidth Scheduling and Power Control for Wireless Backhauling in Optical Attocell Networks 2018 ,		3
149	OFDM-Based Spatial Modulation for Optical Wireless Communications 2018 ,		8
148	Physical-Layer Security for Indoor Visible Light Communications with Space Shift Keying Modulation 2018 ,		3
147	Power Consumption Evaluation in High Speed Visible Light Communication Systems 2018 ,		1
146	The Impact of Long Dead Time on the Photocount Distribution of SPAD Receivers 2018 ,		3
145	Downlink Performance of Optical OFDM in Outdoor Visible Light Communication. <i>IEEE Access</i> , 2018 , 6, 76854-76866	3.5	17

144	A 2-D Non-Stationary GBSM for Vehicular Visible Light Communication Channels. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 7981-7992	9.6	30
143	Energy-Efficient Adaptive MIMO-VLC Technique for Indoor LiFi Applications 2018 ,		13
142	Interference Mitigation for Indoor Optical Attocell Networks Using an Angle Diversity Receiver. <i>Journal of Lightwave Technology</i> , 2018 , 36, 3866-3881	4	25
141	Operating an In-Cabin Femto-Cellular System Within a Given LTE Cellular Network. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 7677-7689	6.8	2
140	Optimization of Load Balancing in Hybrid LiFi/RF Networks. <i>IEEE Transactions on Communications</i> , 2017 , 65, 1708-1720	6.9	69
139	Performance Analysis of Receive Space Modulation in the Shadowing MIMO Broadcast Channel. <i>IEEE Transactions on Communications</i> , 2017 , 65, 1972-1983	6.9	10
138	Space Division Multiple Access for Optical Attocell Network Using Angle Diversity Transmitters. <i>Journal of Lightwave Technology</i> , 2017 , 35, 2118-2131	4	31
137	A Multigigabit per Second Integrated Multiple-Input Multiple-Output VLC Demonstrator. <i>Journal of Lightwave Technology</i> , 2017 , 35, 4358-4365	4	32
136	Handover Modeling for Indoor Li-Fi Cellular Networks: The Effects of Receiver Mobility and Rotation 2017 ,		35
135	Optical MIMO-OFDM With Generalized LED Index Modulation. <i>IEEE Transactions on Communications</i> , 2017 , 1-1	6.9	57
134	Load Balancing Game With Shadowing Effect for Indoor Hybrid LiFi/RF Networks. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 2366-2378	9.6	54
133	Quadrature Spatial Modulation for 5G Outdoor MillimeterWave Communications: Capacity Analysis. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 2882-2890	9.6	40
132	Access Point Selection for Hybrid Li-Fi and Wi-Fi Networks. <i>IEEE Transactions on Communications</i> , 2017 , 65, 5375-5385	6.9	78
131	Physical layer security for optical attocell networks 2017 ,		12
130	A wireless backhaul solution using visible light communication for indoor Li-Fi attocell networks 2017 ,		13
129	High-Speed Integrated Digital to Light Converter for Short Range Visible Light Communication. <i>IEEE Photonics Technology Letters</i> , 2017 , 29, 118-121	2.2	14
128	Performance Evaluation of Downlink Cooperative Multipoint Joint Transmission in LiFi Systems 2017 ,		16
127	Robust and Low-Complexity Timing Synchronization for DCO-OFDM LiFi Systems. <i>IEEE Journal on Selected Areas in Communications</i> , 2017 , 1-1	14.2	18

126	Why would 5G need optical wireless communications? 2017 ,		30
125	On throughput maximization based on optimal update interval in Li-Fi networks 2017 ,		12
124	2017 ,		1
123	Towards 10 Gb/s orthogonal frequency division multiplexing-based visible light communication using a GaN violet micro-LED. <i>Photonics Research</i> , 2017 , 5, A35	6	206
122	Quadrature Spatial Modulation Performance Over Nakagami- m Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 10227-10231	6.8	39
121	Characterization and Modeling of Visible Light Communication Channels 2016 ,		23
120	Downlink cooperation with fractional frequency reuse in DCO-OFDMA optical attocell networks 2016 ,		24
119	60 Mb/s, 2 meters visible light communications in 1 klx ambient using an unlensed CMOS SPAD receiver 2016 ,		15
118	On the Asymptotic Performance of Receive Space Modulation in the Shadowing Broadcast Channel. <i>IEEE Communications Letters</i> , 2016 , 20, 2103-2106	3.8	8
117	Downlink Performance of Optical Attocell Networks. <i>Journal of Lightwave Technology</i> , 2016 , 34, 137-156		141
116	What is LiFi?. <i>Journal of Lightwave Technology</i> , 2016 , 34, 1533-1544	4	606
115	. <i>IEEE Communications Surveys and Tutorials</i> , 2016 , 18, 1687-1716	37.1	163
114	Performance Analysis of Indoor Diffuse VLC MIMO Channels Using Angular Diversity Detectors. <i>Journal of Lightwave Technology</i> , 2016 , 34, 1254-1266	4	51
113	. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 2947-2964	6.8	57
112	Performance Analysis of Multistream Receive Spatial Modulation in the MIMO Broadcast Channel. <i>IEEE Transactions on Wireless Communications</i> , 2016 , 15, 1808-1820	9.6	44
111	BER Performance of Spatial Modulation Systems Under 3-D V2V MIMO Channel Models. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 5725-5730	6.8	15
110	On the Information Transfer Rate of SPAD Receivers for Optical Wireless Communications 2016 ,		11
109	SDN-enabled Li-Fi/Wi-Fi wireless medium access technologies integration framework 2016 ,		6

108	LiFi: Conceptions, misconceptions and opportunities 2016 ,		24
107	Energy Efficient Visible Light Communications Relying on Amorphous Cells. <i>IEEE Journal on Selected Areas in Communications</i> , 2016 , 34, 894-906	14.2	41
106	Indoor Optical Wireless Power Transfer to Small Cells at Nighttime. <i>Journal of Lightwave Technology</i> , 2016 , 34, 3236-3258	4	48
105	LED Based Wavelength Division Multiplexed 10 Gb/s Visible Light Communications. <i>Journal of Lightwave Technology</i> , 2016 , 34, 3047-3052	4	139
104	A geometry-based multiple bounce model for visible light communication channels 2016 ,		23
103	. <i>IEEE Transactions on Communications</i> , 2016 , 64, 5162-5175	6.9	197
102	Non-line-of-sight channel impulse response characterisation in visible light communications 2016 ,		23
101	Spectral and Energy Efficiency Analysis for Cognitive Radio Networks. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 2969-2980	9.6	41
100	Optical OFDM With Single-Photon Avalanche Diode. <i>IEEE Photonics Technology Letters</i> , 2015 , 27, 943-946.2	6.2	74
99	Unlocking Spectral Efficiency in Intensity Modulation and Direct Detection Systems. <i>IEEE Journal on Selected Areas in Communications</i> , 2015 , 33, 1758-1770	14.2	106
98	Towards a 100 Gb/s visible light wireless access network. <i>Optics Express</i> , 2015 , 23, 1627-37	3.3	259
97	Organic solar cells as high-speed data detectors for visible light communication. <i>Optica</i> , 2015 , 2, 607	8.6	53
96	Dynamic Load Balancing With Handover in Hybrid Li-Fi and Wi-Fi Networks. <i>Journal of Lightwave Technology</i> , 2015 , 33, 4671-4682	4	125
95	Visible light communication using laser diode based remote phosphor technique 2015 ,		22
94	Single-chip discrete multitone generation 2015 ,		4
93	Experimental proof-of-concept of optical spatial modulation OFDM using micro LEDs 2015 ,		11
92	Performance optimization of aircraft in-cabin LTE deployment using Taguchi@ Method 2015 ,		4
91	Visible Light Communication 2015 ,		49

90	Fractional Frequency Reuse in DCO-OFDM-Based Optical Attocell Networks. <i>Journal of Lightwave Technology</i> , 2015 , 33, 3986-4000	4	64
89	Nonlinear Distortion in SPAD-Based Optical OFDM Systems 2015 ,		22
88	High-Speed Integrated Visible Light Communication System: Device Constraints and Design Considerations. <i>IEEE Journal on Selected Areas in Communications</i> , 2015 , 33, 1750-1757	14.2	84
87	A SPAD-Based Visible Light Communications Receiver Employing Higher Order Modulation 2015 ,		15
86	Detection statistics and error performance of SPAD-based optical receivers 2015 ,		13
85	Photon detection characteristics and error performance of SPAD array optical receivers 2015 ,		10
84	Indoor Visible Light Positioning with Angle Diversity Transmitter 2015 ,		29
83	Coordinated Interference Management for Visible Light Communication Systems. <i>Journal of Optical Communications and Networking</i> , 2015 , 7, 1098	4.1	21
82	Performance Analysis of Spatial Modulation and Space-Shift Keying With Imperfect Channel Estimation Over Generalized η - μ Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2015 , 64, 88-96	6.8	32
81	On the Design of a Solar-Panel Receiver for Optical Wireless Communications With Simultaneous Energy Harvesting. <i>IEEE Journal on Selected Areas in Communications</i> , 2015 , 33, 1612-1623	14.2	113
80	Principles of LED Light Communications: Towards Networked Li-Fi 2015 ,		213
79	Cellular architecture and key technologies for 5G wireless communication networks 2014 , 52, 122-130		1253
78	Demonstration of the Merit and Limitation of Generalised Space Shift Keying for Indoor Visible Light Communications. <i>Journal of Lightwave Technology</i> , 2014 , 32, 1960-1965	4	58
77	A 3-Gb/s Single-LED OFDM-Based Wireless VLC Link Using a Gallium Nitride μ LED. <i>IEEE Photonics Technology Letters</i> , 2014 , 26, 637-640	2.2	546
76	VLC: Beyond point-to-point communication 2014 , 52, 98-105		206
75	A SPAD-Based Visible Light Communications Receiver Employing Higher Order Modulation 2014 ,		1
74	Single photon avalanche diode (SPAD) VLC system and application to downhole monitoring 2014 ,		28
73	Dynamic load balancing with handover in hybrid Li-Fi and Wi-Fi networks 2014 ,		17

72	Optical spatial modulation OFDM using micro LEDs 2014 ,		4
71	Towards self-powered solar panel receiver for optical wireless communication 2014 ,		31
70	Analysis of downlink transmission in DCO-OFDM-based optical attocell networks 2014 ,		29
69	A Performance Study of Spatial Modulation Systems under Vehicle-to-Vehicle Channel Models 2014		5
68	. <i>Proceedings of the IEEE</i> , 2014 , 102, 56-103	14.3	900
67	. <i>IEEE Transactions on Communications</i> , 2013 , 61, 2758-2771	6.9	32
66	Performance Comparison of MIMO Techniques for Optical Wireless Communications in Indoor Environments. <i>IEEE Transactions on Communications</i> , 2013 , 61, 733-742	6.9	414
65	Information Rate of OFDM-Based Optical Wireless Communication Systems With Nonlinear Distortion. <i>Journal of Lightwave Technology</i> , 2013 , 31, 918-929	4	165
64	. <i>IEEE Transactions on Communications</i> , 2013 , 61, 1968-1976	6.9	89
63	Practical MIMO Capacity for Indoor Optical Wireless Communication with White LEDs 2013 ,		17
62	Area spectral efficiency performance comparison between VLC and RF femtocell networks 2013 ,		71
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