Harald Haas

List of Publications by Citations

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	Spatial Modulation. *IEEE Transactions on Vehicular Technology*, **2008**, 57, 2228-2241	6.8	1527
268	Cellular architecture and key technologies for 5G wireless communication networks **2014**, 52, 122-130		1253
267	. *Proceedings of the IEEE*, **2014**, 102, 56-103	14.3	900
266	What is LiFi?. *Journal of Lightwave Technology*, **2016**, 34, 1533-1544	4	606
265	A 3-Gb/s Single-LED OFDM-Based Wireless VLC Link Using a Gallium Nitride $mu{rm LED}$. *IEEE Photonics Technology Letters*, **2014**, 26, 637-640	2.2	546
264	Spatial modulation for multiple-antenna wireless systems: a survey **2011**, 49, 182-191		500
263	Performance Comparison of MIMO Techniques for Optical Wireless Communications in Indoor Environments. *IEEE Transactions on Communications*, **2013**, 61, 733-742	6.9	414
262	Generalised spatial modulation **2010**,		330
261	Towards 6G wireless communication networks: vision, enabling technologies, and new paradigm shifts. *Science China Information Sciences*, **2021**, 64, 1	3.4	264
260	Towards a 100 Gb/s visible light wireless access network. *Optics Express*, **2015**, 23, 1627-37	3.3	259
259	A Survey of Positioning Systems Using Visible LED Lights. *IEEE Communications Surveys and Tutorials*, **2018**, 20, 1963-1988	37.1	224
258	Indoor broadcasting via white LEDs and OFDM. *IEEE Transactions on Consumer Electronics*, **2009**, 55, 1127-1134	4.8	217
257	Principles of LED Light Communications: Towards Networked Li-Fi **2015**,		213
256	Using a CMOS camera sensor for visible light communication **2012**,		209
255	VLC: Beyond point-to-point communication **2014**, 52, 98-105		206
254	Towards 10 Gb/s orthogonal frequency division multiplexing-based visible light communication using a GaN violet micro-LED. *Photonics Research*, **2017**, 5, A35	6	206
253	Clipping Noise in OFDM-Based Optical Wireless Communication Systems. *IEEE Transactions on Communications*, **2012**, 60, 1072-1081	6.9	200

252	. *IEEE Transactions on Communications*, **2016**, 64, 5162-5175	6.9	197
251	Optical Spatial Modulation. *Journal of Optical Communications and Networking*, **2011**, 3, 234	4.1	187
250	Subcarrier-index modulation OFDM **2009**,		171
249	Information Rate of OFDM-Based Optical Wireless Communication Systems With Nonlinear Distortion. *Journal of Lightwave Technology*, **2013**, 31, 918-929	4	165
248	. *IEEE Transactions on Vehicular Technology*, **2013**, 62, 4511-4523	6.8	164
247	Trellis Coded Spatial Modulation. *IEEE Transactions on Wireless Communications*, **2010**, 9, 2349-2361	9.6	164
246	. *IEEE Communications Surveys and Tutorials*, **2016**, 18, 1687-1716	37.1	163
245	Downlink Performance of Optical Attocell Networks. *Journal of Lightwave Technology*, **2016**, 34, 137-156	4	141
244	LED Based Wavelength Division Multiplexed 10 Gb/s Visible Light Communications. *Journal of Lightwave Technology*, **2016**, 34, 3047-3052	4	139
243	Enhanced subcarrier index modulation (SIM) OFDM **2011**,		133
242	Novel Unipolar Orthogonal Frequency Division Multiplexing (U-OFDM) for Optical Wireless **2012**,		132
241	. *IEEE Transactions on Communications*, **2010**, 58, 2590-2603	6.9	129
240	LiFi is a paradigm-shifting 5G technology. *Reviews in Physics*, **2018**, 3, 26-31	11.3	128
239	Dynamic Load Balancing With Handover in Hybrid Li-Fi and Wi-Fi Networks. *Journal of Lightwave Technology*, **2015**, 33, 4671-4682	4	125
238	On the Design of a Solar-Panel Receiver for Optical Wireless Communications With Simultaneous Energy Harvesting. *IEEE Journal on Selected Areas in Communications*, **2015**, 33, 1612-1623	14.2	113
237	Unlocking Spectral Efficiency in Intensity Modulation and Direct Detection Systems. *IEEE Journal on Selected Areas in Communications*, **2015**, 33, 1758-1770	14.2	106
236	. *IEEE Transactions on Communications*, **2013**, 61, 1968-1976	6.9	89
235	Physical-Layer Security in Multiuser Visible Light Communication Networks. *IEEE Journal on Selected Areas in Communications*, **2018**, 36, 162-174	14.2	88

234	15.73 Gb/s Visible Light Communication With Off-the-Shelf LEDs. *Journal of Lightwave Technology*, **2019**, 37, 2418-2424	4	87
233	Spatial Pulse Position Modulation for Optical Communications. *Journal of Lightwave Technology*, **2012**, 30, 2948-2954	4	87
232	High-Speed Integrated Visible Light Communication System: Device Constraints and Design Considerations. *IEEE Journal on Selected Areas in Communications*, **2015**, 33, 1750-1757	14.2	84
231	Access Point Selection for Hybrid Li-Fi and Wi-Fi Networks. *IEEE Transactions on Communications*, **2017**, 65, 5375-5385	6.9	78
230	Optical OFDM With Single-Photon Avalanche Diode. *IEEE Photonics Technology Letters*, **2015**, 27, 943-946	4.2	74
229	Modeling the Random Orientation of Mobile Devices: Measurement, Analysis and LiFi Use Case. *IEEE Transactions on Communications*, **2019**, 67, 2157-2172	6.9	74
228	Area spectral efficiency performance comparison between VLC and RF femtocell networks **2013**,		71
227	Optimization of Load Balancing in Hybrid LiFi/RF Networks. *IEEE Transactions on Communications*, **2017**, 65, 1708-1720	6.9	69
226	Fractional Frequency Reuse in DCO-OFDM-Based Optical Attocell Networks. *Journal of Lightwave Technology*, **2015**, 33, 3986-4000	4	64
225	Signal Shaping and Modulation for Optical Wireless Communication. *Journal of Lightwave Technology*, **2012**, 30, 1319-1328	4	62
224	High-speed wireless networking using visible light. *SPIE Newsroom*,		62
223	The Impact of Solar Irradiance on Visible Light Communications. *Journal of Lightwave Technology*, **2018**, 36, 2376-2386	4	58
222	Demonstration of the Merit and Limitation of Generalised Space Shift Keying for Indoor Visible Light Communications. *Journal of Lightwave Technology*, **2014**, 32, 1960-1965	4	58
221	Optical MIMO-OFDM With Generalized LED Index Modulation. *IEEE Transactions on Communications* , **2017**, 1-1	6.9	57
220	. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 2947-2964	6.8	57
219	. *IEEE Transactions on Communications*, **2010**, 58, 3196-3210	6.9	56
218	Load Balancing Game With Shadowing Effect for Indoor Hybrid LiFi/RF Networks. *IEEE Transactions on Wireless Communications*, **2017**, 16, 2366-2378	9.6	54
217	Organic solar cells as high-speed data detectors for visible light communication. *Optica*, **2015**, 2, 607	8.6	53

216	Joint transmission in indoor visible light communication downlink cellular networks **2013**,		52
215	1 Gbps free-space deep-ultraviolet communications based on III-nitride micro-LEDs emitting at 262 nm. *Photonics Research*, **2019**, 7, B41	6	52
214	Performance Analysis of Indoor Diffuse VLC MIMO Channels Using Angular Diversity Detectors. *Journal of Lightwave Technology*, **2016**, 34, 1254-1266	4	51
213	An energy saving base station employing spatial modulation **2012**,		50
212	Visible Light Communication **2015**,		49
211	Reduced Complexity Sphere Decoder for Spatial Modulation Detection Receivers **2010**,		48
210	Indoor Optical Wireless Power Transfer to Small Cells at Nighttime. *Journal of Lightwave Technology*, **2016**, 34, 3236-3258	4	48
209	Physical Layer Security for Visible Light Communication Systems: A Survey. *IEEE Communications Surveys and Tutorials*, **2020**, 22, 1887-1908	37.1	47
208	Transmit Precoding for Receive Spatial Modulation Using Imperfect Channel Knowledge **2012**,		45
207	Bidirectional User Throughput Maximization Based on Feedback Reduction in LiFi Networks. *IEEE Transactions on Communications*, **2018**, 66, 3172-3186	6.9	44
206	Performance Analysis of Multistream Receive Spatial Modulation in the MIMO Broadcast Channel. *IEEE Transactions on Wireless Communications*, **2016**, 15, 1808-1820	9.6	44
205	Sphere Decoding for Spatial Modulation **2011**,		43
204	Introduction to indoor networking concepts and challenges in LiFi. *Journal of Optical Communications and Networking*, **2020**, 12, A190	4.1	43
203	Spectral and Energy Efficiency Analysis for Cognitive Radio Networks. *IEEE Transactions on Wireless Communications*, **2015**, 14, 2969-2980	9.6	41
202	Energy Efficient Visible Light Communications Relying on Amorphous Cells. *IEEE Journal on Selected Areas in Communications*, **2016**, 34, 894-906	14.2	41
201	Quadrature Spatial Modulation for 5G Outdoor Millimeter Wave Communications: Capacity Analysis. *IEEE Transactions on Wireless Communications*, **2017**, 16, 2882-2890	9.6	40
200	Joint User Association and Power Allocation for Cell-Free Visible Light Communication Networks. *IEEE Journal on Selected Areas in Communications*, **2018**, 36, 136-148	14.2	40
199	Self-organising interference coordination in optical wireless networks. *Eurasip Journal on Wireless Communications and Networking*, **2012**, 2012,	3.2	40

198	Quadrature Spatial Modulation Performance Over Nakagami- m Fading Channels. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 10227-10231	6.8	39
197	High-Speed Visible Light Communication Based on a III-Nitride Series-Biased Micro-LED Array. *Journal of Lightwave Technology*, **2019**, 37, 1180-1186	4	37
196	Spectral efficiency analysis of mobile Femtocell based cellular systems **2011**,		36
195	Hybrid LiFi and WiFi Networks: A Survey. *IEEE Communications Surveys and Tutorials*, **2021**, 23, 1398-1420	37.1	36
194	Handover Modeling for Indoor Li-Fi Cellular Networks: The Effects of Receiver Mobility and Rotation **2017**,		35
193	Statistical Modeling of Single-Photon Avalanche Diode Receivers for Optical Wireless Communications. *IEEE Transactions on Communications*, **2018**, 66, 4043-4058	6.9	35
192	A Non-Stationary MIMO Channel Model for High-Speed Train Communication Systems **2012**,		33
191	Predistortion in Optical Wireless Transmission Using OFDM **2009**,		33
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189	. *IEEE Transactions on Communications*, **2013**, 61, 2758-2771	6.9	32
188	Performance Analysis of Spatial Modulation and Space-Shift Keying With Imperfect Channel Estimation Over Generalized $eta{-}mu$ Fading Channels. *IEEE Transactions on Vehicular Technology*, **2015**, 64, 88-96	6.8	32
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185	Handover Skipping for LiFi. *IEEE Access*, **2019**, 7, 38369-38378	3.5	31
184	0.5-Gb/s OFDM-Based Laser Data and Power Transfer Using a GaAs Photovoltaic Cell. *IEEE Photonics Technology Letters*, **2018**, 30, 841-844	2.2	31
183	Towards self-powered solar panel receiver for optical wireless communication **2014**,		31
182	Study of dimming and LED nonlinearity for ACO-OFDM based VLC systems **2012**,		31
181	Femto-Cell Resource Partitioning **2009**,		31

180	Why would 5G need optical wireless communications? **2017**,		30
179	Optimal Power Allocation in Spatial Modulation OFDM for Visible Light Communications **2012**,		30
178	A 2-D Non-Stationary GBSM for Vehicular Visible Light Communication Channels. *IEEE Transactions on Wireless Communications*, **2018**, 17, 7981-7992	9.6	30
177	Indoor Visible Light Positioning with Angle Diversity Transmitter **2015**,		29
176	Analysis of downlink transmission in DCO-OFDM-based optical attocell networks **2014**,		29
175	Throughput enhancement through femto-cell deployment. *European Transactions on Telecommunications*, **2010**, 21, 469-477		29
174	Link Selection in Hybrid RF/VLC Systems Under Statistical Queueing Constraints. *IEEE Transactions on Wireless Communications*, **2018**, 17, 2738-2754	9.6	28
173	Single photon avalanche diode (SPAD) VLC system and application to downhole monitoring **2014**,		28
172	Fractional frequency reuse in optical wireless cellular networks **2013**,		27
171	Energy-Efficient Scheduling and Bandwidth-Energy Efficiency Trade-Off with Low Load **2011**,		27
170	Impact of Device Orientation on Error Performance of LiFi Systems. *IEEE Access*, **2019**, 7, 41690-41701	3.5	26
169	Realistic Indoor Hybrid WiFi and OFDMA-Based LiFi Networks. *IEEE Transactions on Communications* , **2020**, 68, 2978-2991	6.9	26
168	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	2.2	25
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166	Energy-Efficient Subcarrier-and-Bit Allocation in Multi-User OFDMA Systems **2012**,		25
165	Optimum Signal Shaping in OFDM-Based Optical Wireless Communication Systems **2012**,		25
164	Transmit-Diversity for Spatial Modulation (SM): Towards the Design of High-Rate Spatially-Modulated Space-Time Block Codes **2011**,		25
163	On-chip GaN-based dual-color micro-LED arrays and their application in visible light communication. *Optics Express*, **2019**, 27, A1517-A1528	3.3	25

162	Interference Mitigation for Indoor Optical Attocell Networks Using an Angle Diversity Receiver. *Journal of Lightwave Technology*, **2018**, 36, 3866-3881	4	25
161	Terminal Orientation in OFDM-Based LiFi Systems. *IEEE Transactions on Wireless Communications*, **2019**, 18, 4003-4016	9.6	24
160	Downlink cooperation with fractional frequency reuse in DCO-OFDMA optical attocell networks **2016**,		24
159	LiFi: Conceptions, misconceptions and opportunities **2016**,		24
158	Efficient Analytical Calculation of Non-Line-of-Sight Channel Impulse Response in Visible Light Communications. *Journal of Lightwave Technology*, **2018**, 36, 1666-1682	4	23
157	Characterization and Modeling of Visible Light Communication Channels **2016**,		23
156	A geometry-based multiple bounce model for visible light communication channels **2016**,		23
155	Non-line-of-sight channel impulse response characterisation in visible light communications **2016**,		23
154	Visible light communication using laser diode based remote phosphor technique **2015**,		22
153	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	14.2	22
152	Nonlinear Distortion in SPAD-Based Optical OFDM Systems **2015**,		22
151	Coordinated Interference Management for Visible Light Communication Systems. *Journal of Optical Communications and Networking*, **2015**, 7, 1098	4.1	21
150	Coverage Analysis of Multiuser Visible Light Communication Networks. *IEEE Transactions on Wireless Communications*, **2018**, 17, 1630-1643	9.6	20
149	Re-Configurable Intelligent Surface-Based VLC Receivers Using Tunable Liquid-Crystals: The Concept. *Journal of Lightwave Technology*, **2021**, 39, 3193-3200	4	19
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147	Robust and Low-Complexity Timing Synchronization for DCO-OFDM LiFi Systems. *IEEE Journal on Selected Areas in Communications*, **2017**, 1-1	14.2	18
146	Load Balancing for Hybrid LiFi and WiFi Networks: To Tackle User Mobility and Light-Path Blockage. *IEEE Transactions on Communications*, **2020**, 68, 1675-1683	6.9	18
145	Physical-Layer Security With Optical Generalized Space Shift Keying. *IEEE Transactions on Communications*, **2020**, 68, 3042-3056	6.9	17

144	Impact of terminal orientation on performance in LiFi systems **2018**,		17
143	Dynamic load balancing with handover in hybrid Li-Fi and Wi-Fi networks **2014**,		17
142	Practical MIMO Capacity for Indoor Optical Wireless Communication with White LEDs **2013**,		17
141	On Minimizing Base Station Power Consumption **2011**,		17
140	Generalised space shift keying for visible light communications **2012**,		17
139	Downlink Performance of Optical OFDM in Outdoor Visible Light Communication. *IEEE Access*, **2018**, 6, 76854-76866	3.5	17
138	Performance Evaluation of Downlink Cooperative Multipoint Joint Transmission in LiFi Systems **2017**,		16
137	Gb/s Underwater Wireless Optical Communications Using Series-Connected GaN Micro-LED Arrays. *IEEE Photonics Journal*, **2020**, 12, 1-10	1.8	16
136	A Compressive Sensing Assisted Massive SM-VBLAST System: Error Probability and Capacity Analysis. *IEEE Transactions on Wireless Communications*, **2020**, 19, 1990-2005	9.6	16
135	Compressive Sensing Assisted Generalized Quadrature Spatial Modulation for Massive MIMO Systems. *IEEE Transactions on Communications*, **2019**, 67, 4795-4810	6.9	15
134	60 Mb/s, 2 meters visible light communications in 1 klx ambient using an unlensed CMOS SPAD receiver **2016**,		15
133	BER Performance of Spatial Modulation Systems Under 3-D V2V MIMO Channel Models. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 5725-5730	6.8	15
132	A SPAD-Based Visible Light Communications Receiver Employing Higher Order Modulation **2015**,		15
131	On the performance of Space Shift Keying MIMO systems over correlated Rician fading channels **2010**,		15
130	A comparison of OFDM-based modulation schemes for OWC with clipping distortion **2011**,		15
129	Triple-cation perovskite solar cells for visible light communications. *Photonics Research*, **2020**, 8, A16	6	15
128	Simultaneous Wireless Data and Power Transfer for a 1-Gb/s GaAs VCSEL and Photovoltaic Link. *IEEE Photonics Technology Letters*, **2020**, 32, 1277-1280	2.2	15
127	The Evolution of Optical OFDM. *IEEE Communications Surveys and Tutorials*, **2021**, 23, 1430-1457	37.1	15

126	Omnidirectional Transmitter and Receiver Design for Wireless Infrared Uplink Transmission in LiFi **2018**,		14
125	High-Speed Integrated Digital to Light Converter for Short Range Visible Light Communication. *IEEE Photonics Technology Letters*, **2017**, 29, 118-121	2.2	14
124	On the Clipping Noise in an ACO-OFDM Optical Wireless Communication System **2010**,		14
123	Measurements-Based Channel Models for Indoor LiFi Systems. *IEEE Transactions on Wireless Communications*, **2021**, 20, 827-842	9.6	14
122	OFDM-Based Optical Spatial Modulation. *IEEE Journal on Selected Topics in Signal Processing*, **2019**, 13, 1433-1444	7.5	13
121	Neural Network-Based Joint Spatial and Temporal Equalization for MIMO-VLC System. *IEEE Photonics Technology Letters*, **2019**, 31, 821-824	2.2	13
120	Optical wireless communication. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2020**, 378, 20200051	3	13
119	Handover Probability of Hybrid LiFi/RF-Based Networks with Randomly-Oriented Devices **2018**,		13
118	Mobility-aware load balancing for hybrid LiFi and WiFi networks. *Journal of Optical Communications and Networking*, **2019**, 11, 588	4.1	13
117	A wireless backhaul solution using visible light communication for indoor Li-Fi attocell networks **2017**,		13
116	Detection statistics and error performance of SPAD-based optical receivers **2015**,		13
115	Toward the Use of Re-configurable Intelligent Surfaces in VLC Systems: Beam Steering. *IEEE Wireless Communications*, **2021**, 28, 156-162	13.4	13
114	Energy-Efficient Adaptive MIMO-VLC Technique for Indoor LiFi Applications **2018**,		13
113	Towards Energy Neutral Wireless Communications: Photovoltaic Cells to Connect Remote Areas. *Energies*, **2019**, 12, 3772	3.1	12
112	Physical-Layer Security in Visible Light Communications **2020**,		12
111	Cooperative Spatial Modulation for Cellular Networks. *IEEE Transactions on Communications*, **2018**, 66, 3683-3693	6.9	12
110	Bidirectional LiFi Attocell Access Point Slicing Scheme. *IEEE Transactions on Network and Service Management*, **2018**, 15, 909-922	4.8	12
109	Physical layer security for optical attocell networks **2017**,		12

108	On throughput maximization based on optimal update interval in Li-Fi networks **2017**,		12
107	2-User multiple access spatial modulation **2011**,		12
106	A power saving dual-hop architecture based on hybrid spatial modulation **2012**,		12
105	Physical-Layer Security in 6G Networks. *IEEE Open Journal of the Communications Society*, **2021**, 2, 1901-1914	6.7	12
104	An Omnidirectional User Equipment Configuration to Support Mobility in LiFi Networks **2019**,		11
103	SNR Statistics of Indoor Mobile VLC Users with Random Device Orientation **2019**,		11
102	Dynamic Multiple Access Configuration in Intelligent Lifi Attocellular Access Points. *IEEE Access*, **2019**, 7, 62126-62141	3.5	11
101	Experimental proof-of-concept of optical spatial modulation OFDM using micro LEDs **2015**,		11
100	Angle Diversity Receiver in LiFi Cellular Networks **2019**,		11
99	MIMO System with Multi-Directional Receiver in Optical Wireless Communications **2019**,		11
98	Secrecy Capacity of Space Keying with Two Antennas **2012**,		11
97	Gigabit per second visible light communication based on AlGaInP red micro-LED micro-transfer printed onto diamond and glass. *Optics Express*, **2020**, 28, 12149-12156	3.3	11
96	LiFi Through Reconfigurable Intelligent Surfaces: A New Frontier for 6G?. *IEEE Vehicular Technology Magazine*, **2021**, 2-11	9.9	11
95	On the Information Transfer Rate of SPAD Receivers for Optical Wireless Communications **2016**,		11
94	Organic photovoltaics for simultaneous energy harvesting and high-speed MIMO optical wireless communications. *Light: Science and Applications*, **2021**, 10, 41	16.7	11
93	Performance Analysis of Receive Space Modulation in the Shadowing MIMO Broadcast Channel. *IEEE Transactions on Communications*, **2017**, 65, 1972-1983	6.9	10
92	Achieving Minimum Error in MISO Optical Spatial Modulation **2018**,		10
91	Photon detection characteristics and error performance of SPAD array optical receivers **2015**,		10

90	On the Performance of SSK Modulation over Multiple-Access Rayleigh Fading Channels **2010**,		10
89	Secrecy Rate of Time Switched Transmit Diversity System **2011**,		10
88	Spatial Modulated Multicarrier Sparse Code-Division Multiple Access. *IEEE Transactions on Wireless Communications*, **2020**, 19, 610-623	9.6	10
87	Orientation Model of Mobile Device for Indoor VLC and Millimetre Wave Systems **2018**,		10
86	Double-Sided Signal Clipping in ACO-OFDM Wireless Communication Systems **2011**,		9
85	Path Loss Simulation of an Infrared Optical Wireless System for Aircrafts **2009**,		9
84	Advanced LiFi technology: Laser light **2020**,		9
83	Physical Layer Security for Multi-User MIMO Visible Light Communication Systems With Generalized Space Shift Keying. *IEEE Transactions on Communications*, **2021**, 69, 2585-2598	6.9	9
82	Analysis of RIS-Based Terrestrial-FSO Link over G-G Turbulence with Distance and Jitter Ratios. *Journal of Lightwave Technology*, **2021**, 1-1	4	9
81	On the Asymptotic Performance of Receive Space Modulation in the Shadowing Broadcast Channel. *IEEE Communications Letters*, **2016**, 20, 2103-2106	3.8	8
80	OFDM-Based Spatial Modulation for Optical Wireless Communications **2018**,		8
79	LiFi Opportunities and Challenges **2019**,		7
78	An Orientation-Based Random Waypoint Model for User Mobility in Wireless Networks **2020**,		7
77	A Tractable Approach to Joint Transmission in Multiuser Visible Light Communication Networks. *IEEE Transactions on Mobile Computing*, **2019**, 18, 2231-2242	4.6	7
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75	Spatial modulation with Partial-CSI at the Receiver: Optimal detector and performance evaluation **2010**,		6
74	Upper Bounds for the Analysis of Trellis Coded Spatial Modulation over Correlated Fading Channels **2010**,		6
73	Solar Cell Receiver Free-Space Optical for 5G Backhaul **2019**,		6

72	Visible-light communications and light fidelity **2020**, 443-493		6
71	SDN-enabled Li-Fi/Wi-Fi wireless medium access technologies integration framework **2016**,		6
70	Flexible Glass Hybridized Colloidal Quantum Dots for Gb/s Visible Light Communications. *IEEE Photonics Journal*, **2018**, 10, 1-11	1.8	5
69	Inflight Connectivity: Deploying Different Communication Networks inside an Aircraft **2018**,		5
68	Cyclic-Prefixed System with PAM using DFE and THP for Uplink Transmission in LiFi **2019**,		5
67	Random Receiver Orientation Effect on Channel Gain in LiFi Systems **2019**,		5
66	A Performance Study of Spatial Modulation Systems under Vehicle-to-Vehicle Channel Models **2014** ,		5
65	Base station energy consumption for transmission optimised spatial modulation (TOSM) in correlated channels **2012**,		5
64	Pulse shaping in unipolar OFDM-based modulation schemes **2012**,		5
63	A Tb/s Indoor Optical Wireless Backhaul System Using VCSEL Arrays **2020**,		5
62	Access Point Selection Scheme for LiFi Cellular Networks using Angle Diversity Receivers **2019**,		5
61	A Study of Sojourn Time for Indoor LiFi Cellular Networks **2019**,		5
60	Wireless Infrared-Based LiFi Uplink Transmission With Link Blockage and Random Device Orientation. *IEEE Transactions on Communications*, **2021**, 69, 1175-1188	6.9	5
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58	Pervasive Wireless Channel Modeling Theory and Applications to 6G GBSMs for All Frequency Bands and All Scenarios. *IEEE Transactions on Vehicular Technology*, **2022**, 1-1	6.8	5
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56	Performance optimization of aircraft in-cabin LTE deployment using Taguchi Method **2015**,		4
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53	A non-stationary geometry-based stochastic model for MIMO high-speed train channels **2012**,		4
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49	Invoking Deep Learning for Joint Estimation of Indoor LiFi User Position and Orientation. *IEEE Journal on Selected Areas in Communications*, **2021**, 39, 2890-2905	14.2	4
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41	A New Framework for Designing Power-Efficient Resource Allocation under Rate Constraints **2009**,		3
40	Bandwidth Scheduling and Power Control for Wireless Backhauling in Optical Attocell Networks **2018**,		3
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38	The Impact of Long Dead Time on the Photocount Distribution of SPAD Receivers **2018**,		3
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