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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.

108 papers	1,920 citations	22 h-index	41 g-index
134 ext. papers	2,407 ext. citations	4.8 avg, IF	5.08 L-index

#	Paper	IF	Citations
108	Two-dimensional Power Allocation for Optical MIMO-OFDM Systems over Low-Pass Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2022 , 1-1	6.8	2
107	Continuous phase Flip-OFDM in optical wireless communications. <i>Signal Processing</i> , 2021 , 182, 107963	4.4	1
106	Characterization of dynamic distortion in LED light output for optical wireless communications. <i>Photonics Research</i> , 2021 , 9, 916	6	2
105	Enhanced Visible Light Communication Modulator With Dual-Feedback Control. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 9, 123-137	5.6	4
104	Parameter Estimation in a Model of the Human Circadian Pacemaker Using a Particle Filter. <i>IEEE Transactions on Biomedical Engineering</i> , 2021 , 68, 1305-1316	5	1
103	Impact of Dynamic LED Non-Linearity on DCO-OFDM Optical Wireless Communication. <i>IEEE Communications Letters</i> , 2021 , 1-1	3.8	0
102	Compensating Dynamic Nonlinearities in LED Photon Emission to Enhance Optical Wireless Communication. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 1317-1331	6.8	4
101	Achievable Rate of MIMO-OFDM VLC over Low-Pass Channels 2021 ,		1
100	. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021 , 27, 1-15	3.8	4
99	Dynamic response-based LEDs health and temperature monitoring. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020 , 156, 107599	4.6	3
98	Wireless Communication over an LED Channel. <i>IEEE Communications Magazine</i> , 2020 , 58, 77-82	9.1	12
97	Sub-Carrier Loading Strategies for DCO-OFDM LED Communication. <i>IEEE Transactions on Communications</i> , 2020 , 68, 1101-1117	6.9	17
96	TDMA Scheduling in Spatially Extended LiFi Networks. <i>IEEE Open Journal of the Communications Society</i> , 2020 , 1, 1524-1538	6.7	2
95	Personalized Office Lighting for Circadian Health and Improved Sleep. <i>Sensors</i> , 2020 , 20,	3.8	9
94	Smart Handover for Hybrid LiFi and WiFi Networks. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 8211-8219	9.6	15
93	. <i>IEEE Open Journal of the Communications Society</i> , 2020 , 1, 1721-1737	6.7	2
92	Modeling and Analysis of Transmitter Performance in Visible Light Communications. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 2316-2331	6.8	21

91	Multiple Heat Source Thermal Modeling and Transient Analysis of LEDs. <i>Energies</i> , 2019 , 12, 1860	3.1	16
90	Distributed Fusion of Sensor Data in a Constrained Wireless Network. <i>Sensors</i> , 2019 , 19,	3.8	3
89	DC-Bias for Optical OFDM in Visible Light Communications. <i>IEEE Access</i> , 2019 , 7, 98319-98330	3.5	14
88	Modeling and compensating dynamic nonlinearities in LED photon-emission rates to enhance OWC 2019 ,		3
87	Performance Analysis for Joint Illumination and Visible Light Communication Using Buck Driver. <i>IEEE Transactions on Communications</i> , 2018 , 66, 2065-2078	6.9	20
86	Mitigating LED Nonlinearity to Enhance Visible Light Communications. <i>IEEE Transactions on Communications</i> , 2018 , 66, 5593-5607	6.9	31
85	Efficient Amplitude Modulator and Ripple Canceller for Visible Light Communication 2018 ,		2
84	Novel Post-Distortion to Mitigate LED Nonlinearity in High-Speed Visible Light Communications 2018 ,		5
83	Efficiency of Power Loading Strategies for Visible Light Communication 2018 ,		4
82	Dynamic Performance Analysis of IEEE 802.15.4 Networks under Intermittent Wi-Fi Interference 2018 ,		2
81	Propagating sensor uncertainty to better infer office occupancy in smart building control. <i>Energy and Buildings</i> , 2018 , 179, 73-82	7	11
80	Energy efficient communication in smart building WSN running distributed Hidden Markov chain presence detection algorithm 2018 ,		2
79	Using Dynamic Occupancy Patterns for Improved Presence Detection in Intelligent Buildings 2018 ,		1
78	Improved Presence Detection for Occupancy Control in Multisensory Environments 2017 ,		5
77	Coexistence performance model for a large ZigBee lighting sensor network in the 2.4 GHz ISM band 2017 ,		1
76	Smart office lighting control using occupancy sensors 2017 ,		1
75	Effect of Blue Filter on the SNR and Data Rate for Indoor Visible Light Communication System 2017 ,		8
74	LED power consumption in joint illumination and communication system. <i>Optics Express</i> , 2017 , 25, 18990-19003	3.5	31

73	The Mean Drift: Tailoring the Mean Field Theory of Markov Processes for Real-World Applications. <i>Lecture Notes in Computer Science</i> , 2017 , 196-211	0.9	1
72	Wireless optical communication in illumination systems 2016 ,		9
71	Quantization in zero leakage helper data schemes. <i>Eurasip Journal on Advances in Signal Processing</i> , 2016 , 2016,	1.9	6
70	Poster: Model of extra power in the transmitter for high-speed visible light communication 2016 ,		8
69	An intelligent lighting system 2016 ,		1
68	Tools and Methods for Validation and Verification. <i>Internet of Things</i> , 2016 , 113-136	1.3	
67	Scalability of dense wireless lighting control networks 2015 , 53, 157-165		14
66	Continuous approximation of stochastic models for wireless sensor networks 2015 ,		2
65	Effect of buck driver ripple on BER performance in visible light communication using LED 2015 ,		8
64	2015 ,		6
63	Joint illumination and visible-Light Communication systems: Data rates and extra power consumption 2015 ,		28
62	Performance of barcode scanner using peak detection with interference from LED lamps 2015 ,		2
61	An illumination perspective on visible light communications 2014 , 52, 64-71		68
60	. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2014 , 61, 1566-1577	3.9	7
59	A 60-GHz energy harvesting module with on-chip antenna and switch for co-integration with ULP radios in 65-nm CMOS with fully wireless mm-wave power transfer measurement 2014 ,		8
58	Performance comparison for illumination and visible light communication system using buck converters 2014 ,		21
57	Rules of thumb for predicting path loss in body coupled communication channels 2013 ,		2
56	A design of 2.4GHz rectifier in 65nm CMOS with 31% efficiency 2013 ,		5

55	Coexistence Performance of IEEE 802.15.4 Wireless Sensor Networks Under IEEE 802.11b/g Interference. <i>Wireless Personal Communications</i> , 2013 , 68, 281-302	1.9	30
54	System analysis and energy model for radio-triggered battery-less monolithic wireless sensor receiver 2013 ,		4
53	Software Authentication to Enhance Trust in Body Sensor Networks. <i>Lecture Notes in Computer Science</i> , 2013 , 241-256	0.9	
52	Full MIMO Spatial Filtering Approach for Dynamic Range Reduction in Wideband Cognitive Radios. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2012 , 59, 2761-2773	3.9	20
51	Zero leakage quantization scheme for biometric verification 2011 ,		3
50	Optimizing throughput for limited receiver circuit power 2010 ,		4
49	Adaptive CCA for IEEE 802.15.4 Wireless Sensor Networks to Mitigate Interference 2010 ,		24
48	Optimal transmission rate for ultra low-power receivers 2010 ,		1
47	Experimental Validation of a Coexistence Model of IEEE 802.15.4 and IEEE 802.11b/g Networks. <i>International Journal of Distributed Sensor Networks</i> , 2010 , 6, 581081	1.7	8
46	Uniform Illumination Rendering Using an Array of LEDs: A Signal Processing Perspective. <i>IEEE Transactions on Signal Processing</i> , 2009 , 57, 1044-1057	4.8	53
45	Code Division-Based Sensing of Illumination Contributions in Solid-State Lighting Systems. <i>IEEE Transactions on Signal Processing</i> , 2009 , 57, 3984-3998	4.8	19
44	Optical wireless CDMA employing solid state lighting LEDs 2009 ,		10
43	Rate adaptation using acknowledgement feedback in finite-state markov channels with collisions. <i>IEEE Transactions on Wireless Communications</i> , 2009 , 8, 3226-3239	9.6	6
42	An analytical model for the illuminance distribution of a power LED. <i>Optics Express</i> , 2008 , 16, 21641-6	3.3	40
41	Successive-Capture Analysis of RTS/CTS in Ad-Hoc Networks. <i>IEEE Transactions on Wireless Communications</i> , 2008 , 7, 213-223	9.6	
40	Peak restoration in ofdm receiver with clipping a/d converter. <i>IEEE Transactions on Wireless Communications</i> , 2008 , 7, 5177-5181	9.6	
39	Communications and Sensing of Illumination Contributions in a Power LED Lighting System 2008 ,		15
38	Performance Analysis of Primary User Detection in a Multiple Antenna Cognitive Radio 2007 ,		81

37	A Coexistence Model of IEEE 802.15.4 and IEEE 802.11b/g 2007 ,		49
36	Analysis of the RTS/CTS Multiple Access Scheme with Capture Effect 2006 ,		2
35	Iterative interference cancellation and channel estimation for mobile OFDM. <i>IEEE Transactions on Wireless Communications</i> , 2005 , 4, 238-245	9.6	111
34	Robust OFDM receivers for dispersive time-varying channels: equalization and channel acquisition. <i>IEEE Transactions on Communications</i> , 2004 , 52, 572-583	6.9	91
33	Digital rights management in consumer electronics products. <i>IEEE Signal Processing Magazine</i> , 2004 , 21, 82-91	9.4	27
32	Interoperable Protection for Digital Multimedia Content. <i>Journal of Signal Processing Systems</i> , 2003 , 34, 167-179		3
31	New Shielding Functions to Enhance Privacy and Prevent Misuse of Biometric Templates. <i>Lecture Notes in Computer Science</i> , 2003 , 393-402	0.9	172
30	Performance analysis of synchronous MC-CDMA in mobile Rayleigh channel with both delay and Doppler spreads. <i>IEEE Transactions on Vehicular Technology</i> , 2001 , 50, 1375-1387	6.8	39
29	Digital watermarking for DVD video copy protection. <i>IEEE Signal Processing Magazine</i> , 2000 , 17, 47-57	9.4	79
28	Virtual Cellular Network: A New Wireless Communications Architecture with Multiple Access Ports. <i>Wireless Personal Communications</i> , 1999 , 10, 287-307	1.9	7
27	On Codes with the Identifiable Parent Property. <i>Journal of Combinatorial Theory - Series A</i> , 1998 , 82, 121-133		106
26	Some general methods for tampering with watermarks. <i>IEEE Journal on Selected Areas in Communications</i> , 1998 , 16, 587-593	14.2	124
25	Vehicle-to-vehicle communications for AVCS platooning. <i>IEEE Transactions on Vehicular Technology</i> , 1997 , 46, 528-536	6.8	39
24	Protection of software algorithms executed on secure modules. <i>Future Generation Computer Systems</i> , 1997 , 13, 55-63	7.5	1
23	Statistical characterization of Rician multipath effects in a mobile-to-mobile communication channel. <i>International Journal of Wireless Information Networks</i> , 1995 , 2, 17-26	1.9	5
22	On the performance of packet-switched cellular networks for wireless data communications. <i>Wireless Networks</i> , 1995 , 1, 129-138	2.5	14
21	Multi-user and self interference effects in a QPSK DS-CMA downlink with a Ricean dispersive channel. <i>Wireless Personal Communications</i> , 1994 , 1, 95-102	1.9	1
20	. <i>IEEE Transactions on Communications</i> , 1994 , 42, 119-126	6.9	4

19	Optimising delay and throughput in packet-switched CDMA network with collision resolution using stack algorithm. <i>Electronics Letters</i> , 1994 , 30, 1470-1471	1.1	2
18	. <i>IEEE Journal on Selected Areas in Communications</i> , 1993 , 11, 901-910	14.2	9
17	Base station to vehicle communication for intelligent vehicle/highway systems (IVHS). <i>Electronics Letters</i> , 1993 , 29, 2079	1.1	1
16	. <i>IEEE Transactions on Broadcasting</i> , 1993 , 39, 331-334	4.7	3
15	1992 ,		1
14	Slotted ALOHA land-mobile radio networks with site diversity. <i>IEE Proceedings, Part I: Communications, Speech and Vision</i> , 1992 , 139, 58		15
13	. <i>IEEE Transactions on Vehicular Technology</i> , 1992 , 41, 77-90	6.8	28
12	. <i>IEEE Transactions on Communications</i> , 1992 , 40, 20-23	6.9	76
11	Site diversity in land-mobile cellular telephony network with discontinuous voice transmission. <i>European Transactions on Telecommunications</i> , 1991 , 2, 471-479		7
10	Comment: Slotted ALOHA radio networks with PSK modulation in Rayleigh fading channels. <i>Electronics Letters</i> , 1990 , 26, 593	1.1	5
9	. <i>IEEE Transactions on Vehicular Technology</i> , 1990 , 39, 359-366	6.8	65
8	Reduced complexity Doppler compensation for mobile DVB-T		3
7	Design of a frequency hopping spread spectrum communication system for an automated highway system		1
6			25
5	Using Laplace transforms to compute performance of mobile radio links		3
4	Synchronous multi-user multi-carrier CDMA communication system with decorrelating interference canceler		6
3	Wiener filtering of multi-carrier CDMA in Rayleigh fading channel		18
2	Packet-switched cellular communication architecture for IVHS using a single radio channel		2

