

# Jean Paul Marie Gerard Linnartz

## List of Publications by Citations

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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	New Shielding Functions to Enhance Privacy and Prevent Misuse of Biometric Templates. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 393-402	0.9	172
107	Some general methods for tampering with watermarks. <i>IEEE Journal on Selected Areas in Communications</i> , <b>1998</b> , 16, 587-593	14.2	124
106	Iterative interference cancellation and channel estimation for mobile OFDM. <i>IEEE Transactions on Wireless Communications</i> , <b>2005</b> , 4, 238-245	9.6	111
105	On Codes with the Identifiable Parent Property. <i>Journal of Combinatorial Theory - Series A</i> , <b>1998</b> , 82, 121-133		106
104	Robust OFDM receivers for dispersive time-varying channels: equalization and channel acquisition. <i>IEEE Transactions on Communications</i> , <b>2004</b> , 52, 572-583	6.9	91
103	Performance Analysis of Primary User Detection in a Multiple Antenna Cognitive Radio <b>2007</b> ,		81
102	Digital watermarking for DVD video copy protection. <i>IEEE Signal Processing Magazine</i> , <b>2000</b> , 17, 47-57	9.4	79
101	. <i>IEEE Transactions on Communications</i> , <b>1992</b> , 40, 20-23	6.9	76
100	An illumination perspective on visible light communications <b>2014</b> , 52, 64-71		68
99	. <i>IEEE Transactions on Vehicular Technology</i> , <b>1990</b> , 39, 359-366	6.8	65
98	Uniform Illumination Rendering Using an Array of LEDs: A Signal Processing Perspective. <i>IEEE Transactions on Signal Processing</i> , <b>2009</b> , 57, 1044-1057	4.8	53
97	A Coexistence Model of IEEE 802.15.4 and IEEE 802.11b/g <b>2007</b> ,		49
96	An analytical model for the illuminance distribution of a power LED. <i>Optics Express</i> , <b>2008</b> , 16, 21641-6	3.3	40
95	Vehicle-to-vehicle communications for AVCS platooning. <i>IEEE Transactions on Vehicular Technology</i> , <b>1997</b> , 46, 528-536	6.8	39
94	Performance analysis of synchronous MC-CDMA in mobile Rayleigh channel with both delay and Doppler spreads. <i>IEEE Transactions on Vehicular Technology</i> , <b>2001</b> , 50, 1375-1387	6.8	39
93	Mitigating LED Nonlinearity to Enhance Visible Light Communications. <i>IEEE Transactions on Communications</i> , <b>2018</b> , 66, 5593-5607	6.9	31
92	Coexistence Performance of IEEE 802.15.4 Wireless Sensor Networks Under IEEE 802.11b/g Interference. <i>Wireless Personal Communications</i> , <b>2013</b> , 68, 281-302	1.9	30

91	Joint illumination and visible-Light Communication systems: Data rates and extra power consumption <b>2015</b> ,		28
90	. <i>IEEE Transactions on Vehicular Technology</i> , <b>1992</b> , 41, 77-90	6.8	28
89	Digital rights management in consumer electronics products. <i>IEEE Signal Processing Magazine</i> , <b>2004</b> , 21, 82-91	9.4	27
88			25
87	Adaptive CCA for IEEE 802.15.4 Wireless Sensor Networks to Mitigate Interference <b>2010</b> ,		24
86	Modeling and Analysis of Transmitter Performance in Visible Light Communications. <i>IEEE Transactions on Vehicular Technology</i> , <b>2019</b> , 68, 2316-2331	6.8	21
85	LED power consumption in joint illumination and communication system. <i>Optics Express</i> , <b>2017</b> , 25, 18990-18993	3.9	21
84	Performance comparison for illumination and visible light communication system using buck converters <b>2014</b> ,		21
83	Performance Analysis for Joint Illumination and Visible Light Communication Using Buck Driver. <i>IEEE Transactions on Communications</i> , <b>2018</b> , 66, 2065-2078	6.9	20
82	Full MIMO Spatial Filtering Approach for Dynamic Range Reduction in Wideband Cognitive Radios. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2012</b> , 59, 2761-2773	3.9	20
81	Code Division-Based Sensing of Illumination Contributions in Solid-State Lighting Systems. <i>IEEE Transactions on Signal Processing</i> , <b>2009</b> , 57, 3984-3998	4.8	19
80	Wiener filtering of multi-carrier CDMA in Rayleigh fading channel		18
79	Sub-Carrier Loading Strategies for DCO-OFDM LED Communication. <i>IEEE Transactions on Communications</i> , <b>2020</b> , 68, 1101-1117	6.9	17
78	Multiple Heat Source Thermal Modeling and Transient Analysis of LEDs. <i>Energies</i> , <b>2019</b> , 12, 1860	3.1	16
77	Communications and Sensing of Illumination Contributions in a Power LED Lighting System <b>2008</b> ,		15
76	Slotted ALOHA land-mobile radio networks with site diversity. <i>IEE Proceedings, Part I: Communications, Speech and Vision</i> , <b>1992</b> , 139, 58		15
75	Smart Handover for Hybrid LiFi and WiFi Networks. <i>IEEE Transactions on Wireless Communications</i> , <b>2020</b> , 19, 8211-8219	9.6	15
74	Scalability of dense wireless lighting control networks <b>2015</b> , 53, 157-165		14

73	DC-Bias for Optical OFDM in Visible Light Communications. <i>IEEE Access</i> , <b>2019</b> , 7, 98319-98330	3.5	14
72	On the performance of packet-switched cellular networks for wireless data communications. <i>Wireless Networks</i> , <b>1995</b> , 1, 129-138	2.5	14
71	Wireless Communication over an LED Channel. <i>IEEE Communications Magazine</i> , <b>2020</b> , 58, 77-82	9.1	12
70	Propagating sensor uncertainty to better infer office occupancy in smart building control. <i>Energy and Buildings</i> , <b>2018</b> , 179, 73-82	7	11
69	Optical wireless CDMA employing solid state lighting LEDs <b>2009</b> ,		10
68	Wireless optical communication in illumination systems <b>2016</b> ,		9
67	. <i>IEEE Journal on Selected Areas in Communications</i> , <b>1993</b> , 11, 901-910	14.2	9
66	Personalized Office Lighting for Circadian Health and Improved Sleep. <i>Sensors</i> , <b>2020</b> , 20,	3.8	9
65	Effect of Blue Filter on the SNR and Data Rate for Indoor Visible Light Communication System <b>2017</b> ,		8
64	Effect of buck driver ripple on BER performance in visible light communication using LED <b>2015</b> ,		8
63	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 <b>2014</b> ,		8
62	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> , <b>2010</b> , 6, 581081	1.7	8
61	Poster: Model of extra power in the transmitter for high-speed visible light communication <b>2016</b> ,		8
60	. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2014</b> , 61, 1566-1577	3.9	7
59	Virtual Cellular Network: A New Wireless Communications Architecture with Multiple Access Ports. <i>Wireless Personal Communications</i> , <b>1999</b> , 10, 287-307	1.9	7
58	Site diversity in land-mobile cellular telephony network with discontinuous voice transmission. <i>European Transactions on Telecommunications</i> , <b>1991</b> , 2, 471-479		7
57	Quantization in zero leakage helper data schemes. <i>Eurasip Journal on Advances in Signal Processing</i> , <b>2016</b> , 2016,	1.9	6
56	<b>2015</b> ,		6

55	Rate adaptation using acknowledgement feedback in finite-state markov channels with collisions. <i>IEEE Transactions on Wireless Communications</i> , <b>2009</b> , 8, 3226-3239	9.6	6
54	Synchronous multi-user multi-carrier CDMA communication system with decorrelating interference canceler		6
53	A design of 2.4GHz rectifier in 65nm CMOS with 31% efficiency <b>2013</b> ,		5
52	Improved Presence Detection for Occupancy Control in Multisensory Environments <b>2017</b> ,		5
51	Statistical characterization of Rician multipath effects in a mobile-to-mobile communication channel. <i>International Journal of Wireless Information Networks</i> , <b>1995</b> , 2, 17-26	1.9	5
50	Comment: Slotted ALOHA radio networks with PSK modulation in Rayleigh fading channels. <i>Electronics Letters</i> , <b>1990</b> , 26, 593	1.1	5
49	Novel Post-Distortion to Mitigate LED Nonlinearity in High-Speed Visible Light Communications <b>2018</b> ,		5
48	System analysis and energy model for radio-triggered battery-less monolithic wireless sensor receiver <b>2013</b> ,		4
47	Optimizing throughput for limited receiver circuit power <b>2010</b> ,		4
46	. <i>IEEE Transactions on Communications</i> , <b>1994</b> , 42, 119-126	6.9	4
45	Enhanced Visible Light Communication Modulator With Dual-Feedback Control. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 9, 123-137	5.6	4
44	Compensating Dynamic Nonlinearities in LED Photon Emission to Enhance Optical Wireless Communication. <i>IEEE Transactions on Vehicular Technology</i> , <b>2021</b> , 70, 1317-1331	6.8	4
43	Efficiency of Power Loading Strategies for Visible Light Communication <b>2018</b> ,		4
42	. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2021</b> , 27, 1-15	3.8	4
41	Distributed Fusion of Sensor Data in a Constrained Wireless Network. <i>Sensors</i> , <b>2019</b> , 19,	3.8	3
40	Dynamic response-based LEDs health and temperature monitoring. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2020</b> , 156, 107599	4.6	3
39	Zero leakage quantization scheme for biometric verification <b>2011</b> ,		3
38	Interoperable Protection for Digital Multimedia Content. <i>Journal of Signal Processing Systems</i> , <b>2003</b> , 34, 167-179		3

37	Reduced complexity Doppler compensation for mobile DVB-T		3
36	Using Laplace transforms to compute performance of mobile radio links		3
35	. <i>IEEE Transactions on Broadcasting</i> , <b>1993</b> , 39, 331-334	4.7	3
34	Modeling and compensating dynamic nonlinearities in LED photon-emission rates to enhance OWC <b>2019</b> ,		3
33	Rules of thumb for predicting path loss in body coupled communication channels <b>2013</b> ,		2
32	Continuous approximation of stochastic models for wireless sensor networks <b>2015</b> ,		2
31	Performance of barcode scanner using peak detection with interference from LED lamps <b>2015</b> ,		2
30	Analysis of the RTS/CTS Multiple Access Scheme with Capture Effect <b>2006</b> ,		2
29	Packet-switched cellular communication architecture for IVHS using a single radio channel		2
28	Optimising delay and throughput in packet-switched CDMA network with collision resolution using stack algorithm. <i>Electronics Letters</i> , <b>1994</b> , 30, 1470-1471	1.1	2
27	TDMA Scheduling in Spatially Extended LiFi Networks. <i>IEEE Open Journal of the Communications Society</i> , <b>2020</b> , 1, 1524-1538	6.7	2
26	. <i>IEEE Open Journal of the Communications Society</i> , <b>2020</b> , 1, 1721-1737	6.7	2
25	Characterization of dynamic distortion in LED light output for optical wireless communications. <i>Photonics Research</i> , <b>2021</b> , 9, 916	6	2
24	Efficient Amplitude Modulator and Ripple Canceller for Visible Light Communication <b>2018</b> ,		2
23	Dynamic Performance Analysis of IEEE 802.15.4 Networks under Intermittent Wi-Fi Interference <b>2018</b> ,		2
22	Energy efficient communication in smart building WSN running distributed Hidden Markov chain presence detection algorithm <b>2018</b> ,		2
21	Two-dimensional Power Allocation for Optical MIMO-OFDM Systems over Low-Pass Channels. <i>IEEE Transactions on Vehicular Technology</i> , <b>2022</b> , 1-1	6.8	2
20	Coexistence performance model for a large ZigBee lighting sensor network in the 2.4 GHz ISM band <b>2017</b> ,		1

19	Smart office lighting control using occupancy sensors <b>2017</b> ,		1
18	Optimal transmission rate for ultra low-power receivers <b>2010</b> ,		1
17	Protection of software algorithms executed on secure modules. <i>Future Generation Computer Systems</i> , <b>1997</b> , 13, 55-63	7.5	1
16	Design of a frequency hopping spread spectrum communication system for an automated highway system		1
15	Base station to vehicle communication for intelligent vehicle/highway systems (IVHS). <i>Electronics Letters</i> , <b>1993</b> , 29, 2079	1.1	1
14	Multi-user and self interference effects in a QPSK DS-CMA downlink with a Ricean dispersive channel. <i>Wireless Personal Communications</i> , <b>1994</b> , 1, 95-102	1.9	1
13	<b>1992</b> ,		1
12			1
11	The Mean Drift: Tailoring the Mean Field Theory of Markov Processes for Real-World Applications. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 196-211	0.9	1
10	Continuous phase Flip-OFDM in optical wireless communications. <i>Signal Processing</i> , <b>2021</b> , 182, 107963	4.4	1
9	An intelligent lighting system <b>2016</b> ,		1
8	Parameter Estimation in a Model of the Human Circadian Pacemaker Using a Particle Filter. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2021</b> , 68, 1305-1316	5	1
7	Using Dynamic Occupancy Patterns for Improved Presence Detection in Intelligent Buildings <b>2018</b> ,		1
6	Achievable Rate of MIMO-OFDM VLC over Low-Pass Channels <b>2021</b> ,		1
5	Impact of Dynamic LED Non-Linearity on DCO-OFDM Optical Wireless Communication. <i>IEEE Communications Letters</i> , <b>2021</b> , 1-1	3.8	0
4	Successive-Capture Analysis of RTS/CTS in Ad-Hoc Networks. <i>IEEE Transactions on Wireless Communications</i> , <b>2008</b> , 7, 213-223	9.6	
3	Peak restoration in ofdm receiver with clipping a/d converter. <i>IEEE Transactions on Wireless Communications</i> , <b>2008</b> , 7, 5177-5181	9.6	
2	Software Authentication to Enhance Trust in Body Sensor Networks. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 241-256	0.9	

1      Tools and Methods for Validation and Verification. *Internet of Things*, **2016**, 113-136

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