

# Leonardo A Lanante

## List of Publications by Year in descending order

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40  
papers

192  
citations

1936888

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1719596

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40  
docs citations

40  
times ranked

127  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance Analysis of the IEEE 802.11ax OBSS_PD-Based Spatial Reuse. IEEE/ACM Transactions on Networking, 2022, 30, 616-628.	2.6	9
2	Cooperative MIMO Applied Null Beamforming to Self in Full-Duplex Wireless Communication System and Its Implementation. , 2022, , .		0
3	H.264 Scalable Video Coding Transmission on MIMO without CSI Feedback. Journal of Signal Processing, 2022, 26, 39-49.	0.2	1
4	Hybrid OFDMA Random Access With Resource Unit Sensing for Next-Gen 802.11ax WLANs. IEEE Transactions on Mobile Computing, 2021, 20, 3338-3350.	3.9	29
5	Cooperative MIMO Applied Null Beamforming to Self in Full-Duplex Wireless Communication System and Its Implementation. , 2021, , .		1
6	Analysis and Optimization of Channel Bonding in Dense IEEE 802.11 WLANs. IEEE Transactions on Wireless Communications, 2021, 20, 2150-2160.	6.1	5
7	Convolutional Neural Network for Asynchronous Packet Parameter Identification in Dense Wi-Fi. , 2021, , .		1
8	Packet Format Detection and Modulation Classification of Wireless LAN Using Distributed Convolutional Neural Network. , 2021, , .		2
9	A Study On the Quality Improvement Effects of Using STBC with H.264/SVC Video Transmission. , 2021, , .		0
10	Performance Analysis Model of IEEE 802.11 CSMA/CA for Multi-BSS Environment. , 2020, , .		1
11	Hardware Design of Transmitter and Receiver for High Quality Video Transmission. , 2020, , .		1
12	Improved Abstraction for Clear Channel Assessment in ns-3 802.11 WLAN Model. , 2019, , .		9
13	Verification of Symbol Timing Synchronization for Wi-Fi System. , 2019, , .		0
14	Low-Complexity and High-Accuracy Positioning Protocol Based on an Asynchronous Protocol. , 2019, , .		1
15	Hardware Design and Optimization of Multimode Pipeline Based FFT for IEEE 802.11ax WLAN Devices. , 2018, , .		3
16	Efficient MIMO video transmission scheme for the scalable video coding extension of HEVC. , 2018, , .		1
17	Low latency Interleave Division Multiple Access System. , 2017, , .		3
18	An area-efficient multimode FFT circuit for IEEE 802.11 ax WLAN devices. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
19	Performance analysis of the 802.11ax UL OFDMA random access protocol in dense networks. , 2017, , .		39
20	Low Latency IDMA With Interleaved Domain Architecture for 5G Communications. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2017, 7, 582-593.	2.7	14
21	Interleaved Domain Interference Canceller for Low Latency IDMA System and Its VLSI Implementation. , 2017, , .		1
22	A hybrid HW/SW 802.11ac/ax system design platform with ASIP implementation. , 2017, , .		1
23	Precoding and postcoding schemes for wireless video transmission in overloaded MIMO systems. , 2017, , .		2
24	Joint Transmission and Coding Scheme for High-Resolution Video Streams over Multiuser MIMO-OFDM Systems. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2017, E100.A, 2304-2313.	0.2	4
25	Multi-User MIMO Channel Emulator with Automatic Channel Sounding Feedback. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2016, E99.A, 1918-1927.	0.2	1
26	Performance evaluation of OFDMA random access in IEEE802.11ax. , 2016, , .		6
27	Adaptive backoff mechanism for OFDMA random access with finite service period in IEEE802.11ax. , 2016, , .		8
28	MU-MIMO channel emulator with automatic channel sounding feedback for IEEE 802.11ac. , 2016, , .		1
29	A channel adaptive hybrid aggregation scheme for next generation wireless LAN. , 2015, , .		5
30	Low complexity higher order QAM modulation for IDMA system. , 2015, , .		7
31	A design of low complex log likelihood ratio for MIMO decoder using the bit shift. , 2014, , .		0
32	Live demonstration: Hardware-software co-verification for very large scale SoC using synopsys HAPS platform. , 2014, , .		1
33	Live demonstration: IEEE802.11 wireless LAN system verification platform. , 2014, , .		6
34	Lossless data hiding method using error correction code. , 2014, , .		0
35	High-resolution image transmission over MIMO-OFDM E-SDM system with JSCC. , 2014, , .		4
36	Hardware design of spatial mapper for 1.73Gbps multi-user MIMO system of IEEE802.11ac. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
37	Hardware Implementation of High Throughput RC4 algorithm. , 2012, , .		12
38	Packet delayed lattice reduction algorithm for high performance MIMO decoder. , 2012, , .		1
39	Low complexity compensation of frequency dependent I/Q imbalance and carrier frequency offset for direct conversion receivers. , 2010, , .		8
40	Carrier Frequency Offset and I/Q imbalance estimation circuit RTL design for OFDM direct conversion receivers. , 2009, , .		1