Giuseppe Baruffa

List of Publications by Year
in descending order

52 papers	557 citations	1040056 9 h-index	713466 21 g-index
53 all docs	53 docs citations	53 times ranked	525 citing authors

#	Article	IF	Citations
1	Automated defect detection in uniform and structured fabrics using Gabor filters and PCA. Journal of Visual Communication and Image Representation, 2013, 24, 838-845.	2.8	85
2	Effects of HPA nonlinearity on frequency multiplexed OFDM signals. IEEE Transactions on Broadcasting, 2001, 47, 123-136.	3.2	68
3	GNSS/Cellular Hybrid Positioning System for Mobile Users in Urban Scenarios. IEEE Transactions on Intelligent Transportation Systems, 2013, 14, 313-321.	8.0	63
4	An IoT Architecture for Continuous Livestock Monitoring Using LoRa LPWAN. Electronics (Switzerland), 2019, 8, 1435.	3.1	55
5	Error Protection and Interleaving for Wireless Transmission of JPEG 2000 Images and Video. IEEE Transactions on Image Processing, 2009, 18, 346-356.	9.8	30
6	Comparison of MongoDB and Cassandra Databases for Spectrum Monitoring As-a-Service. IEEE Transactions on Network and Service Management, 2020, 17, 346-360.	4.9	29
7	A performance study of DVB-T2 and DVB-T2-Lite for mobile reception. , 2015, 37, 35-42.		22
8	Protection Ratio and Antenna Separation for DVBâ€"T/LTE Coexistence Issues. IEEE Communications Letters, 2013, 17, 1588-1591.	4.1	20
9	Error probability performance of chirp modulation in uncoded and coded LoRa systems. , 2020, 106, 102828.		19
10	DSP based OFDM demodulator and equalizer for professional DVB-T receivers. IEEE Transactions on Broadcasting, 1999, 45, 323-332.	3.2	17
11	JPWL â€" an Extension of JPEG 2000 for Wireless Imaging. , 0, , .		17
12	Mixed BB-IF predistortion of OFDM signals in non-linear channels. IEEE Transactions on Broadcasting, 2001, 47, 137-146.	3.2	15
13	Coded LoRa Performance in Wireless Channels. , 2019, , .		12
14	Objective and subjective quality assessment between JPEG XR with overlap and JPEG 2000. Journal of Visual Communication and Image Representation, 2012, 23, 835-844.	2.8	8
15	Adaptive error protection coding for wireless transmission of motion JPEG 2000 video. Eurasip Journal on Image and Video Processing, 2016, 2016, .	2.6	7
16	A Big Data architecture for spectrum monitoring in cognitive radio applications. Annales Des Telecommunications/Annals of Telecommunications, 2018, 73, 451-461.	2.5	7
17	Performance of LoRa-Based Schemes and Quadrature Chirp Index Modulation. IEEE Internet of Things Journal, 2022, 9, 7759-7772.	8.7	7
18	A Viterbi decoder architecture for a standard-agile and reprogrammable transceiver. The Integration VLSI Journal, 2008, 41, 161-170.	2.1	6

#	ARTICLE	IF	CITATIONS
19	A Multi-Standard Reconfigurable Viterbi Decoder using Embedded FPGA Blocks. , 2006, , .		5
20	Patch based yarn defect detection using Gabor filters. , 2012, , .		5
21	Performance of nonorthogonal FSK for the Internet of Things. , 2019, 85, 124-133.		5
22	Error Correction and Concealment for JPEG 2000 Video Transmitted over Wireless Networks. , 2007, , .		4
23	Parallel PN code acquisition for wireless positioning in CDMA handsets. , 2010, , .		4
24	K/Ka-Band Very High Data-Rate Receivers: A Viable Solution for Future Moon Exploration Missions. Electronics (Switzerland), 2019, 8, 349.	3.1	4
25	A fast counting method for generic order intermodulation products. , 0, , .		3
26	An Error Protection Technique for the Wireless Transmission of Digital Cinema Streams. , 0, , .		3
27	Digital Cinema package transmission over wireless IP networks. , 2008, , .		3
28	Performance assessment of JPEG 2000 based MCTF and H.264 FRExt for Digital Cinema compression. , 2009, , .		3
29	A reprogrammable computing platform for JPEG 2000 and H.264 SHD video coding. , 2010, , .		3
30	Soft-Output Demapper with Approximated LLR for DVB-T2 Systems. , 2015, , .		3
31	A cloud computing architecture for spectrum sensing as a service. , 2016, , .		3
32	Enhancing satellite broadcasting services using multiresolution modulations. IEEE Transactions on Broadcasting, 1998, 44, 497-506.	3.2	2
33	Stochastic channel allocation in non−linear environments. European Transactions on Telecommunications, 2001, 12, 67-76.	1.2	2
34	A modified algorithm for the fast computation of even and odd order intermodulation products. IEEE Communications Letters, 2005, 9, 121-123.	4.1	2
35	A Fast Algorithm to Find Generic Odd and Even Order Intermodulation Products. IEEE Transactions on Wireless Communications, 2007, 6, 3749-3759.	9.2	2
36	Soft-Output Demapper with Approximated LLR for DVB-T2 Systems. , 2014, , .		2

#	Article	IF	Citations
37	BER of Nonorthogonal FSK for IEEE 802.15.4. , 2018, , .		2
38	Reliable D-Cinema Multicasting over Heterogeneous Networks. Journal of Communications, 2007, 2, .	1.6	2
39	Backward-compatible robust error protection of JPEG XR compressed video. , 2010, , .		1
40	An optimal method for searching UEP profiles in wireless JPEG 2000 video transmission. , 2012, , .		1
41	Performance of SoftCast and H.265 in software radio video multicasting systems. , 2017, , .		1
42	Real-Time Generation of Standard-Compliant DVB-T Signals. Radioengineering, 2018, 27, 475-484.	0.6	1
43	Lowâ€complexity BER computation for coherent detection of orthogonal signals. Electronics Letters, 2021, 57, 496-498.	1.0	1
44	Backward-Compatible Interleaving Technique for Robust JPEG2000 Wireless Transmission. Lecture Notes in Computer Science, 2006, , 44-50.	1.3	1
45	FPGA implementation of a multimodal sample rate converter and synchronizer. , 0, , .		0
46	A packetization technique for D-Cinema contents multicasting over metropolitan wireless networks. , 2007, , .		0
47	Digital cinema delivery using frequency multiplexed DVB-T signals. , 2009, , .		0
48	A real-time, DSP-based JPWL implementation for wireless High Definition video transmission. , 2011, , .		0
49	Adaptive Error Protection for the Streaming of Motion JPEG 2000 Video over Variable Bit Error Rate Channels. , 2015, , .		0
50	An Improved Algorithm for On-Chip Clustering and Lossless Data Compression of HL-LHC Pixel Hits. , 2018, , .		0
51	BERâ€optimal selection of peak frequency deviation for RDS2. Electronics Letters, 2019, 55, 663-665.	1.0	0
52	Robust Infants Face Tracking Using Active Appearance Models: A Mixed-State CONDENSATION Approach. , 2007, , 13-23.		0