

Joao Guerreiro

List of Publications by Year in descending order

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67
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all docs

68
docs citations

68
times ranked

268
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimum and Sub-Optimum Receivers for OFDM Signals with Strong Nonlinear Distortion Effects. IEEE Transactions on Communications, 2013, 61, 3830-3840.	4.9	35
2	Use of 1-bit digital-to-analogue converters in massive MIMO systems. Electronics Letters, 2016, 52, 778-779.	0.5	35
3	On the 5G and Beyond. Applied Sciences (Switzerland), 2020, 10, 7091.	1.3	34
4	Analytical Performance Evaluation of Precoding Techniques for Nonlinear Massive MIMO Systems With Channel Estimation Errors. IEEE Transactions on Communications, 2018, 66, 1440-1451.	4.9	30
5	On the Optimum Multicarrier Performance With Memoryless Nonlinearities. IEEE Transactions on Communications, 2015, 63, 498-509.	4.9	21
6	Massive MIMO with Nonlinear Amplification: Signal Characterization and Performance Evaluation. , 2016, , .		13
7	On the Achievable Performance of Nonlinear MIMO Systems. IEEE Communications Letters, 2019, 23, 1725-1729.	2.5	13
8	Multi-user detection for the downlink of NOMA systems with multi-antenna schemes and power-efficient amplifiers. Physical Communication, 2019, 33, 199-205.	1.2	13
9	A Low Complexity Channel Estimation and Detection for Massive MIMO Using SC-FDE. Telecom, 2020, 1, 3-17.	1.6	13
10	On the Achievable Capacity of MIMO-OFDM Systems in the CathLab Environment. Sensors, 2020, 20, 938.	2.1	12
11	On the Detection of CE-OFDM Signals. IEEE Communications Letters, 2016, 20, 2165-2168.	2.5	11
12	Low-Complexity SC-FDE Techniques for Massive MIMO Schemes With Low-Resolution ADCs. IEEE Transactions on Communications, 2019, 67, 2368-2380.	4.9	9
13	Approaching the Maximum Likelihood Performance with Nonlinearly Distorted OFDM Signals. , 2012, , .		8
14	On the Receiver Design for Nonlinear NOMA-OFDM Systems. , 2020, , .		8
15	Reduced Complexity Detection in MIMO Systems with SC-FDE Modulations and Iterative DFE Receivers. Journal of Sensor and Actuator Networks, 2018, 7, 17.	2.3	7
16	Use of equivalent nonlinearities for studying quantisation effects on sampled multicarrier signals. Electronics Letters, 2015, 51, 151-153.	0.5	6
17	Equivalent Nonlinearities for Studying Nonlinear Effects on Sampled OFDM Signals. IEEE Communications Letters, 2015, 19, 529-532.	2.5	6
18	Using the Fireworks Algorithm for ML Detection of Nonlinear OFDM. , 2017, , .		6

#	ARTICLE	IF	CITATIONS
19	Implicit Pilots for an Efficient Channel Estimation in Simplified Massive MIMO Schemes with Precoding. <i>International Journal of Antennas and Propagation</i> , 2019, 2019, 1-11.	0.7	6
20	Nonlinear Effects in NOMA Signals: Performance Evaluation and Receiver Design. , 2019, , .		6
21	Optimum and Sub-Optimum Receivers for OFDM Signals with Iterative Clipping and Filtering. , 2012, , .		5
22	Optimum Performance and Spectral Characterization of CE-OFDM Signals. , 2015, , .		5
23	On the Assessment of Nonlinear Distortion Effects in MIMO-OFDM Systems. , 2016, , .		5
24	On the Impact of Strong Nonlinear Effects on Massive MIMO SVD Systems with Imperfect Channel Estimates. , 2017, , .		5
25	Iterative frequency-domain detection and compensation of nonlinear distortion effects for MIMO systems. <i>Physical Communication</i> , 2019, 37, 100869.	1.2	5
26	CE-OFDM Schemes: Spectral Characterization and Optimum Performance. <i>Wireless Personal Communications</i> , 2017, 96, 2965-2982.	1.8	4
27	A Physical Layer Security Technique for NOMA Systems with MIMO SC-FDE Schemes. <i>Electronics (Switzerland)</i> , 2020, 9, 240.	1.8	4
28	Analytical Evaluation of Nonlinear Amplify-and-Forward Relay Systems for OFDM Signals. , 2014, , .		3
29	On the Capacity of Nonlinear Massive MIMO-OFDM Systems. , 2016, , .		3
30	Nonlinear Effects of Radio over Fiber Transmission in Base Station Cooperation Systems. , 2017, , .		3
31	Performance Evaluation of Low-Complexity FDE Receivers for Massive MIMO Schemes with 1-Bit ADCs. , 2017, , .		3
32	On the Detection of MIMO Signals with Strong Nonlinear Distortion Effects. , 2019, , .		3
33	On the Physical Layer Security Characteristics for MIMO-SVD Techniques for SC-FDE Schemes. <i>Sensors</i> , 2019, 19, 4757.	2.1	3
34	A Highly-Efficient Amplification Scheme for OFDM Signals. , 2021, , .		3
35	Analytical performance evaluation of massive MIMO systems with 1-bit DACs. , 2017, , .		2
36	Physical Layer Security for High Data Rate Communications in the CathLab Environment. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
37	On the optimum performance of multicarrier optical signals with nonlinear phase distortion. , 2013, , .		1
38	On the Optimum Performance of Nonlinearly Distorted OFDM Signals. , 2014, , .		1
39	A simple method for the analytical characterization of OFDM schemes with LINC transmitter structures. , 2015, , .		1
40	A Simplified Method for Evaluating Clipping Effects on Sampled OFDM Signals. , 2015, , .		1
41	On the optimum performance of CE-OFDM schemes in frequency-selective channels. , 2016, , .		1
42	On the Design of Robust Multi-User Receivers for Base Station Cooperation Systems. , 2016, , .		1
43	Iterative Frequency-Domain Detection for MIMO Systems with Strong Nonlinear Distortion Effects. , 2018, , .		1
44	Reduced-Complexity Quasi-Optimum Detection for MIMO-OFDM Signals with Strong Nonlinear Distortion. , 2019, , .		1
45	A Multi-antenna Iterative Frequency-domain Detection for Power-efficient NOMA Schemes. , 2019, , .		1
46	Optimum Performance of Nonlinear MIMO-SVD Schemes. , 2021, , .		1
47	Efficient Simulation of Nonlinear Effects on Multicarrier Signals. , 2014, , .		1
48	ML-based receivers for underwater networks using OFDM signals with strong nonlinear distortion effects. , 2012, , .		0
49	On the Optimum Performance of Coded OFDM with Strongly Nonlinear Transmitters. , 2013, , .		0
50	Optimum Asymptotic Performance for Nonlinearly Amplified OFDM Signals. , 2013, , .		0
51	Analytical characterisation and optimum performance of DC-biased optical orthogonal frequency division multiplexing signals. IET Communications, 2015, 9, 969-974.	1.5	0
52	An Accurate Low Complexity Method for Studying Quantization Effects in Base Station Cooperation Systems. , 2015, , .		0
53	On the performance of quantized DMT signals. , 2015, , .		0
54	On the Evaluation of Clipping Effects in Massive MIMO-OFDM Systems. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
55	On the Feasibility of OFDM-Based Massive MIMO Systems with Low Resolution Quantizers. , 2017, , .		0
56	Analytical Performance Evaluation of Low-Complexity FDE Receivers for Uplink Massive MIMO with Coarse ADCs. , 2018, , .		0
57	A Multi-branch Linear Amplification with Nonlinear Components Technique. , 2018, , .		0
58	Turbo Multi-User Detection for SC-FDE Massive MIMO Systems. , 2018, , .		0
59	Generalized LINC. Physical Communication, 2019, 36, 100761.	1.2	0
60	Performance Evaluation of Low-complexity Receivers for MIMO Underwater Spatially Correlated Channels. , 2019, , .		0
61	A Novel Highly-Efficient Amplification Scheme for Wireless Communications in a CathLab Environment. IEEE Access, 2021, 9, 87520-87530.	2.6	0
62	On Quasi-Optimum Detection of Nonlinearly Distorted OFDM Signals. IFIP Advances in Information and Communication Technology, 2014, , 497-506.	0.5	0
63	On the Impact of the Clipping Techniques on the Performance of Optical OFDM. , 2014, , .		0
64	Ab efficient method for modeling and evaluating quantization effects on Gaussian signals. , 2015, , .		0
65	Frequency-Splitting SWIPT with Joint Signal Detection and Nonlinear Distortion Compensation. , 2021, , .		0
66	Optimum Performance of Nonlinearly Distorted Signals with General Distributions. , 2021, , .		0
67	Quantized Digital Amplification with combination over the air - Achieving maximum efficiency on communication links between long range UAVs and satellites. , 2021, , .		0