

Adao Silva

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.

97
papers

589
citations

12
h-index

20
g-index

143
ext. papers

794
ext. citations

3.6
avg, IF

4.27
L-index

#	Paper	IF	Citations
97	A Method Exploiting the Channel-Training Phase to Achieve Secrecy in a Fading Broadcast Channel. <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , 2022 , 1-1	2.8	
96	Intelligent Reflecting Surface Assisted Localization: Opportunities and Challenges. <i>Electronics (Switzerland)</i> , 2022 , 11, 1411	2.6	1
95	Effective PSCCH Searching for 5G-NR V2X Sidelink Communications. <i>Electronics (Switzerland)</i> , 2021 , 10, 2827	2.6	0
94	Joint Design of Improved Spectrum and Energy Efficiency with Backscatter NOMA for IoT. <i>IEEE Access</i> , 2021 , 1-1	3.5	1
93	A Survey of Candidate Waveforms for beyond 5G Systems. <i>Electronics (Switzerland)</i> , 2021 , 10, 21	2.6	9
92	. <i>IEEE Vehicular Technology Magazine</i> , 2021 , 2-11	9.9	1
91	. <i>IEEE Access</i> , 2021 , 9, 92263-92275	3.5	6
90	A State-Space Approach for Tracking Doppler Shifts in Radio Inter-Satellite Links. <i>IEEE Access</i> , 2021 , 9, 102378-102386	3.5	1
89	Efficient Joint Channel Equalization and Tracking for V2X Communications Using SC-FDE Schemes. <i>IEEE Access</i> , 2020 , 8, 55158-55169	3.5	3
88	Efficient Power Control Framework for Small-Cell Heterogeneous Networks. <i>Sensors</i> , 2020 , 20,	3.8	4
87	Iterative Analog-Digital Multi-User Equalizer for Wideband Millimeter Wave Massive MIMO Systems. <i>Sensors</i> , 2020 , 20,	3.8	8
86	A Cooperative Jamming Technique to Protect a Two-User Broadcast Channel with Confidential Messages and an External Eavesdropper. <i>Electronics (Switzerland)</i> , 2020 , 9, 496	2.6	1
85	A State-space Approach for MIMO Channel Tracking in SC-FDE Transmissions 2020 ,		1
84	Two-Step Multiuser Equalization for Hybrid mmWave Massive MIMO GFDM Systems. <i>Electronics (Switzerland)</i> , 2020 , 9, 1220	2.6	7
83	Hybrid Multi-User Equalizer for Massive MIMO Millimeter-Wave Dynamic Subconnected Architecture. <i>IEEE Access</i> , 2019 , 7, 79017-79029	3.5	28
82	A multi-user linear equalizer for uplink broadband millimeter wave massive MIMO 2019 , 92, 62-72		2
81	Multi-User Linear Equalizer and Precoder Scheme for Hybrid Sub-Connected Wideband Systems. <i>Electronics (Switzerland)</i> , 2019 , 8, 436	2.6	4

80	Multiuser Equalizer for Hybrid Massive MIMO mmWave CE-OFDM Systems. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3363	2.6	6
79	Joint Channel Equalization and Tracking for SC-FDE Schemes 2019 ,		2
78	Joint Channel Equalization and Tracking for V2X Communications Using SC-FDE Schemes 2019 ,		1
77	Securing Non-Orthogonal Multiple Access Systems Against Simultaneous Eavesdropping Attacks Coming from Inside and Outside of the Network 2019 ,		2
76	Hybrid Nonlinear Multiuser Equalizer for mmWave Massive MIMO CE-OFDM Systems 2019 ,		1
75	Theoretical Analysis of Nonlinear Amplification Effects in Massive MIMO Systems. <i>IEEE Access</i> , 2019 , 7, 172277-172289	3.5	17
74	Exploiting the Reciprocal Channel for Discrete Jamming to Secure Wireless Communications Against Multiple-Antenna Eavesdropper. <i>IEEE Access</i> , 2018 , 6, 33410-33420	3.5	10
73	Intrinsic Secrecy of EGT and MRT Precoders for Proper and Improper Modulations. <i>IEEE Access</i> , 2018 , 6, 31317-31326	3.5	4
72	Reduced Complexity Detection in MIMO Systems with SC-FDE Modulations and Iterative DFE Receivers. <i>Journal of Sensor and Actuator Networks</i> , 2018 , 7, 17	3.8	6
71	Joint Space-Frequency Block Codes and Signal Alignment for Heterogeneous Networks. <i>IEEE Access</i> , 2018 , 6, 71099-71109	3.5	5
70	Two-tier cellular system up-link based on space-frequency block codes and signal alignment 2018 ,		1
69	Retrospective Interference Alignment: Degrees of Freedom Scaling With Distributed Transmitters. <i>IEEE Transactions on Information Theory</i> , 2017 , 63, 1721-1730	2.8	24
68	Analytical characterization of CSI quantization effects on broadband multipath channels 2017 , 60, 360-369		1
67	Multiuser detection for the uplink of clustered 5G systems with universal frequency reuse. <i>Physical Communication</i> , 2017 , 23, 29-36	2.2	3
66	Robust receivers for base station cooperation systems 2017 , 64, 8-16		1
65	Exploiting reciprocal channel estimations for jamming to secure wireless communications 2017 ,		4
64	Efficient Uniform Channel Quantization of Sparse CIR for Downlink OFDM Systems. <i>Wireless Personal Communications</i> , 2017 , 96, 799-812	1.9	
63	Parametrization and Applications of Precoding Reuse and Downlink Interference Alignment. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 2641-2650	9.6	2

62	Iterative Multiuser Equalization for Subconnected Hybrid mmWave Massive MIMO Architecture. <i>Wireless Communications and Mobile Computing</i> , 2017 , 2017, 1-13	1.9	5
61	A Novel SA-PNC Method for Macro and Small Cells Coexistence under the Same Spectrum 2017 ,		1
60	Analytical BER Performance Evaluation in SISO and MIMO Environments with SC-FDE Modulations and IB-DFE Receivers. <i>Wireless Personal Communications</i> , 2017 , 96, 3831-3850	1.9	1
59	An Overview on Resource Allocation Techniques for Multi-User MIMO Systems. <i>IEEE Communications Surveys and Tutorials</i> , 2017 , 19, 239-284	37.1	94
58	Hybrid Iterative Space-Time Equalization for Multi-User mmW Massive MIMO Systems. <i>IEEE Transactions on Communications</i> , 2017 , 65, 608-620	6.9	27
57	Nonlinear Effects of Radio over Fiber Transmission in Base Station Cooperation Systems 2017 ,		2
56	Hybrid Beamforming Designs for Massive MIMO Millimeter-Wave Heterogeneous Systems. <i>IEEE Access</i> , 2017 , 5, 21806-21817	3.5	30
55	Joint Design of Massive MIMO Precoder and Security Scheme for Multiuser Scenarios under Reciprocal Channel Conditions. <i>Wireless Communications and Mobile Computing</i> , 2017 , 2017, 1-10	1.9	1
54	Joint signal alignment precoding and physical network coding for heterogeneous networks. <i>Physical Communication</i> , 2017 , 23, 125-133	2.2	3
53	Clustered Multiuser Detection for the Uplink of 5G Systems 2016 ,		1
52	. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 4887-4899	6.8	3
51	New Iterative Frequency-Domain Detectors for IA-Precoded MC-CDMA Systems. <i>Wireless Personal Communications</i> , 2016 , 86, 1183-1199	1.9	
50	Joint IA and SFBC Macrocells and Small-Cells Coexistence under Minor Information Exchange. <i>Mobile Information Systems</i> , 2016 , 2016, 1-10	1.4	2
49	Iterative space-frequency equalizer for CE-OFDM mmW based systems 2016 ,		3
48	Non linear space-time equalizer for single-user hybrid mmWave massive MIMO systems 2016 ,		2
47	Two-stage space-time receiver structure for multiuser hybrid mmW massive MIMO systems 2016 ,		2
46	Retrospective Interference Alignment for the $K \times M \times N$ MIMO Interference Channel. <i>IEEE Transactions on Wireless Communications</i> , 2016 , 15, 8368-8379	9.6	12
45	Receiver design for the uplink of base station cooperation systems employing SC-FDE modulations. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2015 , 2015,	3.2	17

44	Limited Intersystem Information Exchange Method for Heterogeneous Networks. <i>IEEE Communications Letters</i> , 2015 , 19, 1656-1659	3.8	4
43	Efficient Transmitter and Receiver Designs for SC-FDMA Based Heterogeneous Networks. <i>IEEE Transactions on Communications</i> , 2015 , 63, 2500-2510	6.9	18
42	Construction of Error Control Run Length Limited Codes Exploiting Some Parity Matrix Properties. <i>Journal of Electrical Engineering</i> , 2015 , 66, 182-184	0.6	4
41	Iterative Equalization and Interference Alignment for Multiuser MIMO HetNets with Imperfect CSI. <i>Mobile Information Systems</i> , 2015 , 2015, 1-8	1.4	
40	Transmission Cooperative Strategies for MIMO-OFDM Heterogeneous Networks. <i>Radioengineering</i> , 2015 , 24, 431-441	0.8	3
39	Null-space cognitive precoding for heterogeneous networks. <i>IET Communications</i> , 2014 , 8, 555-563	1.3	8
38	Iterative Frequency-Domain Detection for IA-Precoded MC-CDMA Systems. <i>IEEE Transactions on Communications</i> , 2014 , 62, 1240-1248	6.9	14
37	Set Optimization for Efficient Interference Alignment in Heterogeneous Networks. <i>IEEE Transactions on Wireless Communications</i> , 2014 , 13, 5648-5660	9.6	21
36	Minimum Codebook Size to Achieve Maximal Diversity Order for RVQ-Based MIMO Systems. <i>IEEE Communications Letters</i> , 2014 , 18, 1463-1466	3.8	2
35	New robust iterative minimum mean squared error-based interference alignment algorithm. <i>Journal of Engineering</i> , 2014 , 2014, 49-50	0.7	1
34	Low-bit rate feedback strategies for iterative IA-precoded MIMO-OFDM-based systems. <i>Scientific World Journal, The</i> , 2014 , 2014, 619454	2.2	1
33	Low-complexity user selection for rate maximization in MIMO broadcast channels with downlink beamforming. <i>Scientific World Journal, The</i> , 2014 , 2014, 865905	2.2	5
32	Robust leakage-based distributed precoder for cooperative multicell systems. <i>Journal of Engineering</i> , 2014 , 2014, 368-372	0.7	1
31	A novel distributed power allocation scheme for coordinated multicell systems. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2013 , 2013,	3.2	3
30	Coordinated Precoding Techniques for Multi-cell MISO-OFDM Networks. <i>Wireless Personal Communications</i> , 2013 , 72, 1619-1631	1.9	
29	Linear and Nonlinear Precoding Schemes for Centralized Multicell MIMO-OFDM Systems. <i>Wireless Personal Communications</i> , 2013 , 72, 759-777	1.9	6
28	Performance evaluation of IB-DFE-based strategies for SC-FDMA systems. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2013 , 2013,	3.2	12
27	One-bit null-space cognitive interference alignment for heterogeneous networks 2013 ,		2

26	Multuser precoding techniques for a distributed broadband wireless system. <i>Telecommunication Systems</i> , 2013 , 52, 1819-1829	2.3	7
25	Analytical performance evaluation of Base Station cooperation systems using SC-FDE modulations with iterative receivers 2012 ,		3
24	Iterative Frequency-Domain Receivers for the Uplink of Cellular Systems with Base Station Cooperation 2012 ,		1
23	Efficient Detection and Quantization Requirements for the Uplink of Base Station Cooperation Systems 2012 ,		2
22	An iterative pilot-data-aided estimator for SFBC relay-assisted OFDM-based systems. <i>Eurasip Journal on Advances in Signal Processing</i> , 2012 , 2012,	1.9	1
21	2011 ,		1
20	Minimum bit error rate nonlinear precoding for multiuser MIMO and high SNR. <i>Physical Communication</i> , 2011 , 4, 296-304	2.2	7
19	Power allocation strategies for distributed precoded multicell based systems. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2011 , 2011,	3.2	41
18	Power allocation strategies for SVD multicell MIMO-OFDM based systems 2011 ,		3
17	Linear precoding for centralized multicell MIMO networks 2011 ,		1
16	A Pilot-Data Based Channel Estimation Method for OFDM Relay-Assisted Systems 2011 ,		1
15	A Time Domain Channel Estimation Scheme for Equalize-and-Forward Relay-Assisted Systems 2010 ,		3
14	Transmit Power Allocation for Precoded Distributed MIMO OFDM Systems 2010 ,		2
13	Novel Precoded Relay-Assisted Algorithm for Cellular Systems. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2010 , 2010,	3.2	1
12	Transmission Strategies for MISO Downlink MC-CDMA Mobile Systems. <i>Wireless Personal Communications</i> , 2010 , 54, 521-541	1.9	3
11	Channel Estimation Schemes for OFDM Relay-Assisted Systems 2009 ,		4
10	Virtual MIMO schemes for downlink space-frequency coding OFDM systems 2009 ,		5
9	Precoded multiuser distributed MIMO OFDM systems 2009 ,		1

8	Multiple antenna relay-assisted schemes for the uplink OFDM based systems 2009 ,		1
7	Distributed space-frequency block coding for a 2-antenna relay in downlink OFDM systems 2009 ,		1
6	Performance Evaluation of Virtual MIMO Schemes for the UL OFDMA Based Systems 2008 ,		3
5	. <i>Journal of Communications and Networks</i> , 2005 , 7, 157-170	4.1	5
4	SFBC with pre-filtering technique for DL TDD MC-CDMA systems in high data rate context 2005 ,		3
3	Downlink Space-Frequency Preequalization Techniques for TDD MC-CDMA Mobile Radio Systems. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2004 , 2004, 1	3.2	4
2	Pre-Filtering Techniques Using Antenna Arrays for Downlink TDD MC-CDMA Systems 2004 , 307-314		1
1	Radio Transmission and Experimental Channel Characterisation Using an MBS Platform Operating in the 40 GHz Band. <i>Wireless Personal Communications</i> , 2002 , 21, 245-267	1.9	