

# Rui Dinis

## 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.

330  
papers

2,820  
citations

22  
h-index

42  
g-index

488  
ext. papers

3,802  
ext. citations

3.4  
avg. IF

5.75  
L-index

#	Paper	IF	Citations
330	Channel Tracking and Equalization for UAV Communications. <i>Unmanned System Technologies</i> , <b>2023</b> , 1-26	0.4	0
329	Max-Min Fairness Optimization in Uplink Cell-Free Massive MIMO using Meta-Heuristics. <i>IEEE Transactions on Communications</i> , <b>2022</b> , 1-1	6.9	3
328	Increasing Reliability on UAV Fading Scenarios. <i>IEEE Access</i> , <b>2022</b> , 1-1	3.5	0
327	Performance Analysis of Massive MIMO-OFDM System Incorporated with Various Transforms for Image Communication in 5G Systems. <i>Electronics (Switzerland)</i> , <b>2022</b> , 11, 621	2.6	2
326	Bi-Objective Power Optimization of Radio Stripe Uplink Communications. <i>Electronics (Switzerland)</i> , <b>2022</b> , 11, 876	2.6	0
325	Modeling and Identification of Nonlinear Effects in Massive MIMO Systems Using a Fifth-Order Cumulants-Based Blind Approach. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 3323	2.6	0
324	On the Performance of LDPC-Coded MIMO Schemes for Underwater Communications Using 5G-like Processing. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 5549	2.6	1
323	A Low-Complexity Soft-Output Signal Data Detection Algorithm for UL Massive MIMO Systems <b>2021</b> ,		2
322	A Survey of Candidate Waveforms for beyond 5G Systems. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 21	2.6	9
321	Sum-Rate of Cell Free Massive MIMO Systems With Power Amplifier Non-Linearity. <i>IEEE Access</i> , <b>2021</b> , 9, 141927-141937	3.5	0
320	Power-Ordered NOMA with Massive MIMO for 5G Systems. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 3541	2.6	7
319	MIMO Relaying UAVs Operating in Public Safety Scenarios. <i>Drones</i> , <b>2021</b> , 5, 32	5.4	2
318	Joint Channel Estimation and Synchronization Techniques for Time-Interleaved Block-Windowed Burst OFDM. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 4403	2.6	0
317	A Novel Highly-Efficient Amplification Scheme for Wireless Communications in a CathLab Environment. <i>IEEE Access</i> , <b>2021</b> , 9, 87520-87530	3.5	0
316	Energy Efficient Secure Communication Model against Cooperative Eavesdropper. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 1563	2.6	1
315	Massive MIMO Techniques for 5G and Beyond Opportunities and Challenges. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 1667	2.6	6
314	On the Performance of LDPC-Coded Massive MIMO Schemes with Power-Ordered NOMA Techniques. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 8684	2.6	4

313	Low Complexity Hybrid Precoding Designs for Multiuser mmWave/THz Ultra Massive MIMO Systems. <i>Sensors</i> , <b>2021</b> , 21,	3.8	3
312	Estimating the Performance of MIMO SC-FDE Systems Using SISO Measurements. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 7492	2.6	
311	A Low Complexity Channel Estimation and Detection for Massive MIMO Using SC-FDE. <i>Telecom</i> , <b>2020</b> , 1, 3-17	1.8	8
310	Efficient Joint Channel Equalization and Tracking for V2X Communications Using SC-FDE Schemes. <i>IEEE Access</i> , <b>2020</b> , 8, 55158-55169	3.5	3
309	A Physical Layer Security Technique for NOMA Systems with MIMO SC-FDE Schemes. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 240	2.6	1
308	On the Receiver Design for Nonlinear NOMA-OFDM Systems <b>2020</b> ,		5
307	Hybrid Precoding and Combining Algorithm for Reduced Complexity and Power Consumption Architectures in mmWave Communications <b>2020</b> ,		1
306	On the Achievable Capacity of MIMO-OFDM Systems in the CathLab Environment. <i>Sensors</i> , <b>2020</b> , 20,	3.8	4
305	Iterative Analog-Digital Multi-User Equalizer for Wideband Millimeter Wave Massive MIMO Systems. <i>Sensors</i> , <b>2020</b> , 20,	3.8	8
304	Performance Analysis of Interference-Aware Multi-Packet Reception Networks. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 665	2.6	
303	Secure Information Transmission with Self Jamming SWIPT. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 587	2.6	3
302	Analytical Performance Evaluation of Massive MIMO Techniques for SC-FDE Modulations. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 533	2.6	4
301	On the Complexity Requirements of a Panel-Based Large Intelligent Surface <b>2020</b> ,		2
300	Frequency-Domain Equalization in OFDM and Single-Carrier Modulation <b>2020</b> , 495-499		
299	Joint Channel and Information Estimation on Symbol Decomposition-Based Secure Point-to-Point Communications. <i>IFIP Advances in Information and Communication Technology</i> , <b>2020</b> , 137-146	0.5	1
298	Downlink Sum-Rates of SC-FDP and OFDM Massive MIMO Systems in Doubly Dispersive Channels. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 8065-8079	6.8	2
297	An OFDM-Based Waveform With High Spectral Efficiency. <i>IEEE Communications Letters</i> , <b>2020</b> , 24, 2614-2618	5.88	1
296	Performance Analysis of NOMA in 5G Systems With HPA Nonlinearities. <i>IEEE Access</i> , <b>2020</b> , 8, 158327-158334	3.34	10

295	Two-Step Multiuser Equalization for Hybrid mmWave Massive MIMO GFDM Systems. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 1220	2.6	7
294	Comparison of Artificial Intelligence and Semi-Empirical Methodologies for Estimation of Coverage in Mobile Networks. <i>IEEE Access</i> , <b>2020</b> , 8, 139803-139812	3.5	6
293	Modulation-Based Simultaneous Wireless Information and Power Transfer. <i>IEEE Communications Letters</i> , <b>2020</b> , 24, 136-140	3.8	4
292	A new combination of adaptive channel estimation methods and TORC equalizer in MC-CDMA systems. <i>International Journal of Communication Systems</i> , <b>2020</b> , 33, e4429	1.7	3
291	Cloud-Based Implementation of an Automatic Coverage Estimation Methodology for Self-Organising Network. <i>IEEE Access</i> , <b>2020</b> , 8, 66456-66474	3.5	4
290	Hybrid Multi-User Equalizer for Massive MIMO Millimeter-Wave Dynamic Subconnected Architecture. <i>IEEE Access</i> , <b>2019</b> , 7, 79017-79029	3.5	28
289	Implicit Pilots for an Efficient Channel Estimation in Simplified Massive MIMO Schemes with Precoding. <i>International Journal of Antennas and Propagation</i> , <b>2019</b> , 2019, 1-11	1.2	5
288	Multi-user detection for the downlink of NOMA systems with multi-antenna schemes and power-efficient amplifiers. <i>Physical Communication</i> , <b>2019</b> , 33, 199-205	2.2	10
287	Estimating Directional Data From Network Topology for Improving Tracking Performance. <i>Journal of Sensor and Actuator Networks</i> , <b>2019</b> , 8, 30	3.8	5
286	Energy Efficient Massive MIMO Point-to-Point Communications with Physical Layer Security: BPSK vs QPSK Decomposition. <i>IFIP Advances in Information and Communication Technology</i> , <b>2019</b> , 283-295	0.5	2
285	Novel SWIPT Schemes for 5G Wireless Networks. <i>Sensors</i> , <b>2019</b> , 19,	3.8	17
284	Algorithms for Estimating the Location of Remote Nodes Using Smartphones. <i>IEEE Access</i> , <b>2019</b> , 7, 33713-33728	3.5	7
283	Belief Propagation Receivers for Near-Optimal Detection of Nonlinearly Distorted OFDM Signals <b>2019</b> ,		5
282	On the Achievable Performance of Nonlinear MIMO Systems. <i>IEEE Communications Letters</i> , <b>2019</b> , 23, 1725-1729	3.8	8
281	Generalized LINC. <i>Physical Communication</i> , <b>2019</b> , 36, 100761	2.2	
280	Low-Complexity Equalisers for Offset Constellations in Massive MIMO Schemes. <i>IEEE Access</i> , <b>2019</b> , 7, 94373-94390	3.5	1
279	Iterative frequency-domain detection and compensation of nonlinear distortion effects for MIMO systems. <i>Physical Communication</i> , <b>2019</b> , 37, 100869	2.2	3
278	Multiuser Equalizer for Hybrid Massive MIMO mmWave CE-OFDM Systems. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 3363	2.6	6

277	Complexity analysis of FDE receivers for massive MIMO block transmission systems. <i>IET Communications</i> , <b>2019</b> , 13, 1762-1768	1.3	2
276	Energy-Efficient and Spectrally-Efficient MIMO <b>2019</b> , 1-18		1
275	On the Detection of MIMO Signals with Strong Nonlinear Distortion Effects <b>2019</b> ,		1
274	On the Physical Layer Security Characteristics for MIMO-SVD Techniques for SC-FDE Schemes. <i>Sensors</i> , <b>2019</b> , 19,	3.8	1
273	Simplified and accurate BER analysis of magnitude modulated M-PSK signals. <i>IET Communications</i> , <b>2019</b> , 13, 1443-1448	1.3	1
272	Theoretical Analysis of Nonlinear Amplification Effects in Massive MIMO Systems. <i>IEEE Access</i> , <b>2019</b> , 7, 172277-172289	3.5	17
271	Receiver Design to Employ Simultaneous Wireless Information and Power Transmission with Joint CFO and Channel Estimation. <i>IEEE Access</i> , <b>2019</b> , 7, 9678-9687	3.5	7
270	Low-Complexity SC-FDE Techniques for Massive MIMO Schemes With Low-Resolution ADCs. <i>IEEE Transactions on Communications</i> , <b>2019</b> , 67, 2368-2380	6.9	6
269	A Survey on Massive MIMO Systems in Presence of Channel and Hardware Impairments. <i>Sensors</i> , <b>2019</b> , 19,	3.8	16
268	On the optimum multicarrier performance with memoryless nonlinearities. <i>IEEE Transactions on Vehicular Technology</i> , <b>2019</b> , 1-1	6.8	
267	Analytical Performance Evaluation of Precoding Techniques for Nonlinear Massive MIMO Systems With Channel Estimation Errors. <i>IEEE Transactions on Communications</i> , <b>2018</b> , 66, 1440-1451	6.9	25
266	Two Low Complexity MRC and EGC Based Receivers for SC-FDE Modulations with Massive MIMO Schemes. <i>Journal of Signal Processing Systems</i> , <b>2018</b> , 90, 1357-1367	1.4	3
265	A new hybrid multicarrier transmission technique with iterative frequency domain detection. <i>Physical Communication</i> , <b>2018</b> , 27, 7-16	2.2	3
264	Massive MIMO Downlink Based on Single Carrier Frequency Domain Processing. <i>IEEE Transactions on Communications</i> , <b>2018</b> , 66, 1164-1175	6.9	13
263	Iterative MRC and EGC Receivers for MIMO-OFDM Systems <b>2018</b> ,		1
262	Recent Advances and Future Research Challenges in Non-Orthogonal Multiple Access for 5G Networks <b>2018</b> ,		9
261	Reduced Complexity Detection in MIMO Systems with SC-FDE Modulations and Iterative DFE Receivers. <i>Journal of Sensor and Actuator Networks</i> , <b>2018</b> , 7, 17	3.8	6
260	On Target Localization Using Combined RSS and AoA Measurements. <i>Sensors</i> , <b>2018</b> , 18,	3.8	35

259	Hybrid RSS/AoA-Based Target Localization and Tracking in Wireless Sensor Networks. <i>IFIP Advances in Information and Communication Technology</i> , <b>2018</b> , 185-201	0.5	0
258	Combining Drive Tests and Automatically Tuned Propagation Models in the Construction of Path Loss Grids <b>2018</b> ,		5
257	Power Amplification Efficient Transmitter Structures for Massive MIMO with SC-FDE Schemes: A Promising Combination for 5G Systems?. <i>Radioengineering</i> , <b>2018</b> , 27, 221-233	0.8	1
256	Robust Joint Synchronization and Channel Estimation Approach for Frequency-Selective Environments. <i>IEEE Access</i> , <b>2018</b> , 6, 53180-53190	3.5	4
255	Interference Characterization in Random Waypoint Mobile Networks. <i>IEEE Transactions on Wireless Communications</i> , <b>2018</b> , 17, 7340-7351	9.6	9
254	Analytical characterization of CSI quantization effects on broadband multipath channels <b>2017</b> , 60, 360-369		1
253	Multuser detection for the uplink of clustered 5G systems with universal frequency reuse. <i>Physical Communication</i> , <b>2017</b> , 23, 29-36	2.2	3
252	Robust receivers for base station cooperation systems <b>2017</b> , 64, 8-16		1
251	. <i>IEEE Transactions on Communications</i> , <b>2017</b> , 1-1	6.9	1
250	Efficient Uniform Channel Quantization of Sparse CIR for Downlink OFDM Systems. <i>Wireless Personal Communications</i> , <b>2017</b> , 96, 799-812	1.9	
249	Performance Evaluation of Wavelet-Coded OFDM on a 4.9 Gb/s W-Band Radio-Over-Fiber Link. <i>Journal of Lightwave Technology</i> , <b>2017</b> , 35, 2803-2809	4	12
248	Iterative Receiver Combining IB-DFE with MRC for Massive MIMO Schemes. <i>Procedia Computer Science</i> , <b>2017</b> , 109, 305-310	1.6	2
247	Iterative Multiuser Equalization for Subconnected Hybrid mmWave Massive MIMO Architecture. <i>Wireless Communications and Mobile Computing</i> , <b>2017</b> , 2017, 1-13	1.9	5
246	Performance Evaluation of Low-Complexity FDE Receivers for Massive MIMO Schemes with 1-Bit ADCs <b>2017</b> ,		2
245	Sum-Rate of Block-Wise SC Massive MIMO Systems in the Presence of Carrier Frequency Offset <b>2017</b> ,		1
244	Frequency-Domain Detection without Matrix Inversions for mmWave Communications with Correlated Massive MIMO Channels <b>2017</b> ,		4
243	Two Methods for Estimation of Amplifier Imbalances in Multi-Amplifier Transmission Structures. <i>Radioengineering</i> , <b>2017</b> , 26, 285-290	0.8	
242	MAP Estimator for Target Tracking in Wireless Sensor Networks for Unknown Transmit Power. <i>IFIP Advances in Information and Communication Technology</i> , <b>2017</b> , 325-334	0.5	

241	A Simplified Massive MIMO Approach Using Precoding <b>2017</b> ,		1
240	Kalman filter for target tracking using coupled RSS and AoA measurements <b>2017</b> ,		2
239	RF-spectrum opportunities for cognitive radio networks operating over GSM channels <b>2017</b> ,		2
238	Analytical BER Performance Evaluation in SISO and MIMO Environments with SC-FDE Modulations and IB-DFE Receivers. <i>Wireless Personal Communications</i> , <b>2017</b> , 96, 3831-3850	1.9	1
237	CE-OFDM Schemes: Spectral Characterization and Optimum Performance. <i>Wireless Personal Communications</i> , <b>2017</b> , 96, 2965-2982	1.9	1
236	A Robust Bisection-Based Estimator for TOA-Based Target Localization in NLOS Environments. <i>IEEE Communications Letters</i> , <b>2017</b> , 21, 2488-2491	3.8	49
235	Efficient frequency-domain detection for massive MIMO systems <b>2017</b> ,		1
234	Bayesian methodology for target tracking using combined RSS and AoA measurements. <i>Physical Communication</i> , <b>2017</b> , 25, 158-166	2.2	21
233	A simplified massive MIMO implemented with pre or post-processing. <i>Physical Communication</i> , <b>2017</b> , 25, 355-362	2.2	11
232	3-D Target Localization in Wireless Sensor Networks Using RSS and AoA Measurements. <i>IEEE Transactions on Vehicular Technology</i> , <b>2017</b> , 66, 3197-3210	6.8	129
231	Distributed algorithm for target localization in wireless sensor networks using RSS and AoA measurements. <i>Pervasive and Mobile Computing</i> , <b>2017</b> , 37, 63-77	3.5	39
230	Hybrid Iterative Space-Time Equalization for Multi-User mmW Massive MIMO Systems. <i>IEEE Transactions on Communications</i> , <b>2017</b> , 65, 608-620	6.9	27
229	On the Impact of Strong Nonlinear Effects on Massive MIMO SVD Systems with Imperfect Channel Estimates <b>2017</b> ,		2
228	RF-Spectrum Opportunities for Cognitive Radio Networks Operating Over GSM Channels. <i>IEEE Transactions on Cognitive Communications and Networking</i> , <b>2017</b> , 3, 731-739	6.6	12
227	Using the Fireworks Algorithm for ML Detection of Nonlinear OFDM <b>2017</b> ,		4
226	A Power Efficient Technique for Double Layer Massive MIMO Schemes <b>2017</b> ,		1
225	Target Tracking with Sensor Navigation Using Coupled RSS and AoA Measurements. <i>Sensors</i> , <b>2017</b> , 17,	3.8	13
224	Clustered Multiuser Detection for the Uplink of 5G Systems <b>2016</b> ,		1

223	On the Assessment of Nonlinear Distortion Effects in MIMO-OFDM Systems <b>2016,</b>		3
222	On the Detection of CE-OFDM Signals. <i>IEEE Communications Letters</i> , <b>2016</b> , 20, 2165-2168	3.8	7
221	Iterative receiver based on the EGC for massive MIMO schemes using SC-FDE modulations. <i>Electronics Letters</i> , <b>2016</b> , 52, 972-974	1.1	19
220	MIMO Detection and Equalization for Single-Carrier Systems Using the Alternating Direction Method of Multipliers. <i>IEEE Signal Processing Letters</i> , <b>2016</b> , 23, 1751-1755	3.2	9
219	Successful Packet Reception Analysis in Multi-Packet Reception Wireless Systems. <i>IEEE Communications Letters</i> , <b>2016</b> , 20, 2498-2501	3.8	2
218	Spectrum Sensing Performance in Cognitive Radio Networks With Multiple Primary Users. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 1564-1574	6.8	17
217	Peak-to-average power ratio reduction in multiple-input multiple-output orthogonal frequency-division multiple access systems using geodesic descent method. <i>IET Communications</i> , <b>2016</b> , 10, 212-218	1.3	6
216	MyopicMAC: A Throughput-Optimal Random Access Scheme for Distributed Wireless Networks. <i>Wireless Personal Communications</i> , <b>2016</b> , 86, 1693-1715	1.9	1
215	New Iterative Frequency-Domain Detectors for IA-Precoded MC-CDMA Systems. <i>Wireless Personal Communications</i> , <b>2016</b> , 86, 1183-1199	1.9	
214	<b>2016,</b>		3
213	Massive MIMO with Nonlinear Amplification: Signal Characterization and Performance Evaluation <b>2016,</b>		8
212	Iterative space-frequency equalizer for CE-OFDM mmW based systems <b>2016,</b>		3
211	On the Capacity of Nonlinear Massive MIMO-OFDM Systems <b>2016,</b>		3
210	Non linear space-time equalizer for single-user hybrid mmWave massive MIMO systems <b>2016,</b>		2
209	Low complexity MRC and EGC based receivers for SC-FDE modulations with massive MIMO schemes <b>2016,</b>		10
208	An efficient WLS estimator for target localization in wireless sensor networks <b>2016,</b>		3
207	Two-stage space-time receiver structure for multiuser hybrid mmW massive MIMO systems <b>2016,</b>		2
206	A WLS Estimator for Target Localization in a Cooperative Wireless Sensor Network. <i>IFIP Advances in Information and Communication Technology</i> , <b>2016</b> , 273-283	0.5	



205	Distributed RSS-AoA Based Localization With Unknown Transmit Powers. <i>IEEE Wireless Communications Letters</i> , <b>2016</b> , 5, 392-395	5.9	85
204	Use of 1-bit digital-to-analogue converters in massive MIMO systems. <i>Electronics Letters</i> , <b>2016</b> , 52, 778-779		27
203	Characterization of the Opportunistic Service Time in Cognitive Radio Networks. <i>IEEE Transactions on Cognitive Communications and Networking</i> , <b>2016</b> , 2, 288-300	6.6	7
202	A Novel Reservation-Based MAC Scheme for Distributed Cognitive Radio Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 1-1	6.8	3
201	A Closed-Form Solution for RSS/AoA Target Localization by Spherical Coordinates Conversion. <i>IEEE Wireless Communications Letters</i> , <b>2016</b> , 5, 680-683	5.9	59
200	On the optimum performance of CE-OFDM schemes in frequency-selective channels <b>2016</b> ,		1
199	Use of equivalent nonlinearities for studying quantisation effects on sampled multicarrier signals. <i>Electronics Letters</i> , <b>2015</b> , 51, 151-153	1.1	3
198	Frequency-Domain Receiver Design for Transmission Through Multipath Channels with Strong Doppler Effects. <i>Wireless Personal Communications</i> , <b>2015</b> , 83, 1213-1228	1.9	4
197	Receiver design for the uplink of base station cooperation systems employing SC-FDE modulations. <i>Eurasip Journal on Wireless Communications and Networking</i> , <b>2015</b> , 2015,	3.2	17
196	Equivalent Nonlinearities for Studying Nonlinear Effects on Sampled OFDM Signals. <i>IEEE Communications Letters</i> , <b>2015</b> , 19, 529-532	3.8	3
195	Iterative Frequency-Domain Equalization for General QAM Constellations with Reduced Envelope Fluctuations through Magnitude Modulation Techniques <b>2015</b> ,		1
194	A Hybrid ARQ Scheme for Faster than Nyquist Signaling with Iterative Frequency-Domain Detection <b>2015</b> ,		8
193	Towards an enhanced frequency reuse: Base station cooperation with turbo frequency domain receivers <b>2015</b> ,		1
192	Efficient Transmitter and Receiver Designs for SC-FDMA Based Heterogeneous Networks. <i>IEEE Transactions on Communications</i> , <b>2015</b> , 63, 2500-2510	6.9	18
191	RSS-Based Localization in Wireless Sensor Networks Using Convex Relaxation: Noncooperative and Cooperative Schemes. <i>IEEE Transactions on Vehicular Technology</i> , <b>2015</b> , 64, 2037-2050	6.8	186
190	FM-MAC: A Novel MAC Protocol for In-Band Full-Duplex Systems That Use Multipacket Reception <b>2015</b> ,		2
189	Iterative Equalization and Interference Alignment for Multiuser MIMO HetNets with Imperfect CSI. <i>Mobile Information Systems</i> , <b>2015</b> , 2015, 1-8	1.4	
188	A multi-antenna technique for mm-wave communications with large constellations and strongly nonlinear amplifiers <b>2015</b> ,		4

187	Uplink Performance Evaluation of Packet Combining ARQ for MPR Prefix-Assisted DS-CDMA. <i>IEEE Transactions on Communications</i> , <b>2015</b> , 63, 2685-2697	6.9	3
186	Joint frequency domain equalisation and phase noise estimation for single-carrier modulations in doubly-selective channels. <i>IET Communications</i> , <b>2015</b> , 9, 1138-1146	1.3	5
185	Analytical characterisation and optimum performance of DC-biased optical orthogonal frequency division multiplexing signals. <i>IET Communications</i> , <b>2015</b> , 9, 969-974	1.3	
184	Distributed RSS-Based Localization in Wireless Sensor Networks with Node Selection Mechanism. <i>IFIP Advances in Information and Communication Technology</i> , <b>2015</b> , 204-214	0.5	4
183	Optimum Performance and Spectral Characterization of CE-OFDM Signals <b>2015</b> ,		3
182	Efficient estimator for distributed RSS-based localization in wireless sensor networks <b>2015</b> ,		2
181	Cooperative localization in wireless sensor networks using combined measurements <b>2015</b> ,		2
180	Hybrid RSS-AoA technique for 3-D node localization in wireless sensor networks <b>2015</b> ,		14
179	On the Optimum Multicarrier Performance With Memoryless Nonlinearities. <i>IEEE Transactions on Communications</i> , <b>2015</b> , 63, 498-509	6.9	11
178	Channel Estimation and Equalization for Asynchronous Single Frequency Networks. <i>IEEE Transactions on Broadcasting</i> , <b>2014</b> , 60, 110-119	4.7	6
177	Iterative Frequency-Domain Detection for IA-Precoded MC-CDMA Systems. <i>IEEE Transactions on Communications</i> , <b>2014</b> , 62, 1240-1248	6.9	14
176	Impact of Channel Estimation Errors on SC-FDE Systems. <i>IEEE Transactions on Communications</i> , <b>2014</b> , 62, 1530-1540	6.9	19
175	Distributed RSS-based localization in wireless sensor networks using convex relaxation <b>2014</b> ,		2
174	A high throughput H-ARQ technique with Faster-than-Nyquist signaling <b>2014</b> ,		3
173	Block-windowed burst OFDM: a high-efficiency multicarrier technique. <i>Electronics Letters</i> , <b>2014</b> , 50, 1757-1759	6	
172	Analog-to-Digital Converters with embedded IF mixing using variable reference voltages <b>2014</b> ,		1
171	Systematic Method for Designing Constellations for Intensity-Modulated Optical Systems. <i>Journal of Optical Communications and Networking</i> , <b>2014</b> , 6, 449	4.1	14
170	New robust iterative minimum mean squared error-based interference alignment algorithm. <i>Journal of Engineering</i> , <b>2014</b> , 2014, 49-50	0.7	1

169	Low-bit rate feedback strategies for iterative IA-precoded MIMO-OFDM-based systems. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 619454	2.2	1
168	Detection of licensed users activity in a random access ultra wideband cognitive system <b>2014</b> ,		3
167	Distributed RSS-based localization in wireless sensor networks based on second-order cone programming. <i>Sensors</i> , <b>2014</b> , 14, 18410-32	3.8	48
166	Analytical Evaluation of Nonlinear Amplify-and-Forward Relay Systems for OFDM Signals <b>2014</b> ,		2
165	Joint equalization and phase drift estimation for underwater acoustic communications <b>2014</b> ,		1
164	Interference Aware Iterative Block Decision Feedback Equalizer for Single Carrier Transmission. <i>IEEE Transactions on Vehicular Technology</i> , <b>2014</b> , 1-1	6.8	4
163	Characterization of the Spatial False Alarm effect in Cognitive Radio Networks <b>2014</b> ,		1
162	Measuring the Magnitude of Envelope Fluctuations: Should We Use the PAPR? <b>2014</b> ,		5
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159	Practical Assessment of Energy-Based Sensing through Software Defined Radio Devices. <i>IFIP Advances in Information and Communication Technology</i> , <b>2014</b> , 525-532	0.5	
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156	Space-Time Codebook Design for Spread Systems. <i>Wireless Personal Communications</i> , <b>2013</b> , 69, 1783-1797		0
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152	Performance Analysis of an Hybrid ARQ Adaptation of NDMA Schemes. <i>IEEE Transactions on Communications</i> , <b>2013</b> , 61, 3304-3317	6.9	4

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150	Towards a Realistic Primary Users Behavior in Single Transceiver Cognitive Networks. <i>IEEE Communications Letters</i> , <b>2013</b> , 17, 309-312	3.8	12
149	Efficient Amplification and Detection of Multilevel SC-FDE Signals Based on BPSK Components <b>2013</b> ,		2
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144	Improving path duration in high mobility vehicular ad hoc networks. <i>Ad Hoc Networks</i> , <b>2013</b> , 11, 89-103	4.8	22
143	Error rate analysis of M-PSK with magnitude modulation envelope control. <i>Electronics Letters</i> , <b>2013</b> , 49, 1184-1186	1.1	5
142	Reliability of an IB-DFE in the Presence of Channel Estimation Errors <b>2013</b> ,		1
141	RSS-based localization in wireless sensor networks using SOCP relaxation <b>2013</b> ,		9
140	On the Use of Multiple Grossly Nonlinear Amplifiers for Highly Efficient Linear Amplification of Multilevel Constellations <b>2013</b> ,		3
139	On the optimum performance of multicarrier optical signals with nonlinear phase distortion <b>2013</b> ,		1
138	Channel Availability Assessment for Cognitive Radios. <i>IFIP Advances in Information and Communication Technology</i> , <b>2013</b> , 495-504	0.5	0
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125	Energy-Efficient QoS Provisioning in Demand Assigned Satellite NDMA Schemes <b>2012</b> ,		5
124	Joint Equalization and Phase Noise Tracking for Doubly Selective Channels <b>2012</b> ,		3
123	The impact of transmission errors in MAC schemes for distributed wireless networks <b>2012</b> ,		1
122	Analytical performance evaluation of Base Station cooperation systems using SC-FDE modulations with iterative receivers <b>2012</b> ,		3
121	Convex optimization-based beamforming in cognitive radio multicast transmission <b>2012</b> ,		3
120	Energy sensing parameterization criteria for cognitive radios <b>2012</b> ,		5
119	Iterative Frequency-Domain Receivers for the Uplink of Cellular Systems with Base Station Cooperation <b>2012</b> ,		1
118	Efficient Detection and Quantization Requirements for the Uplink of Base Station Cooperation Systems <b>2012</b> ,		2
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116	. <i>IEEE Transactions on Communications</i> , <b>2012</b> , 60, 2353-2362	6.9	7

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111	Training Sequence Design for Channel Estimation with Nonlinear OQPSK-Type Modulations <b>2012</b> ,		1
110	Optimum and Sub-Optimum Receivers for OFDM Signals with Iterative Clipping and Filtering <b>2012</b> ,		2
109	Approaching the Maximum Likelihood Performance with Nonlinearly Distorted OFDM Signals <b>2012</b> ,		4
108	A Pragmatic Design of Frequency-Domain Equalizers for Offset Modulations <b>2012</b> ,		2
107	Interference Distribution of a CDMA Cognitive Radio Ad Hoc Network. <i>International Federation for Information Processing</i> , <b>2012</b> , 493-502		
106	Power efficient coded 16-QAM schemes over nonlinear transmitters <b>2011</b> ,		1
105	Approaching the Matched Filter Bound with coded OFDM and SC-FDE schemes <b>2011</b> ,		2
104	Efficient Channel Estimation for OFDM and SC-FDE Schemes <b>2011</b> ,		2
103	Iterative frequency-domain detection and channel estimation for space-time block codes. <i>European Transactions on Telecommunications</i> , <b>2011</b> , 22, 339-351		5
102	Bayesian Approach for the Estimation of Phase Noise in SC-FDE Schemes <b>2011</b> ,		4
101	Analytical Evaluation of Iterative Packet Combining and Multipacket Detection Schemes for SC-FDE <b>2011</b> ,		1
100	Rotation matrices for OFDM transmission <b>2011</b> ,		1
99	Maximizing throughput-fairness tradeoff in MAC for ad hoc networks <b>2011</b> ,		2
98	Joint Detection and CFO Estimation for QAM Constellations <b>2011</b> ,		2

97	Analytical Performance Evaluation of SC-FDE Modulations with Packet Combining and Multipacket Detection Schemes <b>2011</b> ,	3
96	Performance of Hybrid ARQ for Network Diversity Multiple Access Schemes <b>2011</b> ,	2
95	Frequency-Domain Multiuser Detection for Highly Overloaded DS-CDMA Systems <b>2011</b> ,	2
94	Receiver Design for Single-Frequency Networks with Fast-Varying Channels <b>2011</b> ,	1
93	On the Use of Multiple Grossly Nonlinear Amplifiers for an Efficient Amplification of OQAM Signals with FDE Receivers <b>2011</b> ,	3
92	Efficient Channel Estimation for Single Frequency Broadcast Systems <b>2011</b> ,	6
91	Towards the Use of XOR-Based Routing Protocols in Vehicular Ad Hoc Networks <b>2011</b> ,	4
90	Estimation of the Feedback Reliability for IB-DFE Receivers. <i>ISRN Communications and Networking</i> , <b>2011</b> , 2011, 1-7	8
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88	Energy Efficient NDMA Multi-packet Detection with Multiple Power Levels. <i>International Federation for Information Processing</i> , <b>2011</b> , 581-588	
87	Delay Optimization on a p-Persistent MAC Protocol for a Multi-Packet Detection in SC-FDE System <b>2010</b> ,	6
86	Should We Avoid Nonlinear Effects in a Digital Transmission System? <b>2010</b> ,	3
85	<b>2010</b> ,	13
84	. <i>IEEE Transactions on Wireless Communications</i> , <b>2010</b> , 9, 3472-3479	9.6 6
83	Performance of Packet Combining ARQ Error Control in a TDMA SC-FDE System <b>2010</b> ,	8
82	On the Design of Turbo Equalizers for SC-FDE Schemes with Different Error Protections <b>2010</b> ,	3
81	Energy Per Useful Packet Optimization on a TDMA HAP Channel <b>2010</b> ,	2
80	Energy Per Useful Packet Optimization on a TDMA WSN Channel <b>2010</b> ,	1

79	On the Accuracy of the Gaussian Approximation for the Evaluation of Nonlinear Effects in OFDM Signals <b>2010</b> ,		2
78	Performance Comparison of Diversity Combining ARQ Error Control Schemes with Multi-Packet Detection Schemes <b>2010</b> ,		4
77	Analytical performance evaluation of a class of receivers with joint equalization and carrier frequency synchronization <b>2010</b> ,		1
76	A MAC Protocol for Mobile Wireless Sensor Networks with Bursty Traffic <b>2010</b> ,		8
75	On the design of iterative FDE receivers for OQAM modulations <b>2010</b> ,		3
74	On the design of frequency-domain equalizers for OQPSK modulations <b>2010</b> ,		6
73	On the Design of Linear Receivers for SC-FDE Schemes Employing OQPSK Modulation <b>2010</b> ,		5
72	Iterative Frequency-Domain Equalization for general constellations <b>2010</b> ,		29
71	Joint detection and channel estimation for block transmission schemes <b>2010</b> ,		3
70	Iterative Frequency Domain Equalization and Carrier Synchronization for Multi-Resolution Constellations. <i>IEEE Transactions on Broadcasting</i> , <b>2010</b> , 56, 551-557	4.7	10
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68	Analytical matched filter bound for M-QAM hierarchical constellations with diversity reception in multipath rayleigh fading channels. <i>IEEE Transactions on Communications</i> , <b>2010</b> , 58, 737-741	6.9	9
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64	Frequency-domain parallel multiuser detection for quasi-constant envelope OQPSK schemes with high spectral efficiency <b>2009</b> ,		1
63	Joint detection and channel estimation for SC-FDE with STBC <b>2009</b> ,		2
62	SC-FDE with soft packet combining ARQ techniques for interference-limited UWB systems <b>2009</b> ,		3



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60	Joint Turbo Equalization and Multiuser Detection of MC-CDMA Signals With Low Envelope Fluctuations. <i>IEEE Transactions on Vehicular Technology</i> , <b>2009</b> , 58, 2288-2298	6.8	7
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54	A MAC Protocol for Half-Duplex Multi-Packet Detection in SC-FDE Systems <b>2009</b> ,		3
53	Optimum bit-mapping of TCH codes <b>2009</b> ,		1
52	Iterative Frequency-Domain Receivers for STBC Schemes <b>2009</b> ,		2
51	. <i>IEEE Transactions on Wireless Communications</i> , <b>2009</b> , 8, 3798-3807	9.6	17
50	Frequency-Domain Receivers for Rate-1 Space-Time Block Codes. <i>International Journal of Communications, Network and System Sciences</i> , <b>2009</b> , 02, 845-861	0.2	1
49	A turbo SDMA receiver for strongly nonlinearly distorted MC-CDMA signals. <i>Canadian Journal of Electrical and Computer Engineering</i> , <b>2008</b> , 33, 39-44	1.4	0
48	Soft Combining ARQ Techniques for Wireless Systems Employing SC-FDE Schemes <b>2008</b> ,		10
47	A load-adaptive timeout for beaconing-based link protocols in ad hoc networks <b>2008</b> ,		2
46	Performance evaluation of decision-directed carrier synchronization for SC-FDE schemes <b>2008</b> ,		4
45	A High Throughput Technique for OFDM Systems <b>2008</b> ,		2
44	Joint Frequency-Domain Equalization and Channel Estimation Using Superimposed Pilots <b>2008</b> ,		10

43	Analytical Evaluation of Nonlinear Distortion Effects on OFDMA Uplink Signals. <i>IEEE Vehicular Technology Conference</i> , <b>2008</b> ,	0.1	1
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37	Iterative Decoding and Channel Estimation of MIMO-OFDM Transmissions with Hierarchical Constellations and Implicit Pilots <b>2007</b> ,		1
36	IB-DFE receivers with space diversity for CP-assisted DS-CDMA and MC-CDMA systems. <i>European Transactions on Telecommunications</i> , <b>2007</b> , 18, 791-802		17
35	A Turbo FDE Technique for Reduced-CP SC-Based Block Transmission Systems. <i>IEEE Transactions on Communications</i> , <b>2007</b> , 55, 16-20	6.9	60
34	A Reduced-CP Approach to SC/FDE Block Transmission for Broadband Wireless Communications. <i>IEEE Transactions on Communications</i> , <b>2007</b> , 55, 801-809	6.9	14
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30	Performance Evaluation of Quantization Effects on Multicarrier Modulated Signals. <i>IEEE Transactions on Vehicular Technology</i> , <b>2007</b> , 56, 2922-2930	6.8	13
29	Robust detection for the uplink of broadband wireless systems with strong ACI levels <b>2007</b> ,		1
28	Supporting M-QAM Hierarchical Constellations in HSDPA for MBMS Transmissions <b>2007</b> ,		1
27	Frequency-Domain Multipacket Detection: A High Throughput Technique for SC-FDE Systems <b>2007</b> ,		8
26	Analytical Evaluation and Optimization of the Analog-to-Digital Converter in Software Radio Architectures. <i>IEEE Transactions on Vehicular Technology</i> , <b>2007</b> , 56, 1964-1970	6.8	1

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22	An Iterative Receiver for WCDMA Systems with MIMO Transmissions and Hierarchical Constellations <b>2006,</b>		5
21	An Iterative Detection Technique for DS-CDMA Signals with Strong Nonlinear Distortion Effects <b>2006,</b>		2
20	Channel Estimation for SC-FDE Systems Using Frequency Domain Multiplexed Pilots <b>2006,</b>		28
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12	Low-PMEPR OFDM transmission with an iterative receiver technique for cancellation of nonlinear distortion		6
11	Performance evaluation of an iterative PMEPR-reducing technique for OFDM transmission		3
10	Analytical evaluation and optimization of the ADC (analog-to-digital converter) in software radio architectures		2
9			7
8	Frequency-domain space-time precoders for severe time-dispersive channel employing single-carrier modulations		1

7	Iterative turbo multipath interference cancellation for WCDMA systems with non-uniform modulations	3
6	An iterative frequency-domain decision-feedback receiver for MC-CDMA schemes	4
5	Performance evaluation of a multicarrier modulation technique allowing strongly nonlinear amplification	8
4	Transmission Techniques for 4G Systems	9
3	Transmission Techniques for Emergent Multicast and Broadcast Systems	15
2	Analytical Evaluation of Nonlinear Distortion Effects on Multicarrier Signals	6
1	Mixed third- and fourth-order cumulants-based algorithm for nonlinear kernels identification in cubic systems. <i>Signal, Image and Video Processing</i> ,1	1.6 1