Mohammad M Mansour

List of Publications by Year
in descending order

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		567281	610901
65	812	15	24
papers	citations	h-index	g-index

66	66	66	605
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Efficient Attitude Estimators: A Tutorial and Survey. Journal of Signal Processing Systems, 2022, 94, 1309-1343.	2.1	2
2	Deep Learning-Based Frequency-Selective Channel Estimation for Hybrid mmWave MIMO Systems. IEEE Transactions on Wireless Communications, 2022, 21, 3804-3821.	9.2	23
3	Low-Complexity Soft-Output MIMO Detectors Based on Optimal Channel Puncturing. IEEE Transactions on Wireless Communications, 2021, 20, 2729-2745.	9.2	5
4	Fast Column Message-Passing Decoding of Low-Density Parity-Check Codes. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2389-2393.	3.0	2
5	Terahertz-Band MIMO-NOMA: Adaptive Superposition Coding and Subspace Detection. IEEE Open Journal of the Communications Society, 2021, 2, 2628-2644.	6.9	18
6	Physical layer security schemes for MIMO systems: an overview. Wireless Networks, 2020, 26, 2089-2111.	3.0	13
7	Optimal Augmented-Channel Puncturing for Low-Complexity Soft-Output MIMO Detectors. , 2020, , .		2
8	An Optimized VLSI Implementation of an IEEE 802.11n/ac/ax LDPC Decoder. , 2020, , .		4
9	Efficient Angle-Domain Processing for FDD-Based Cell-Free Massive MIMO Systems. IEEE Transactions on Communications, 2020, 68, 2188-2203.	7.8	42
10	An Efficient OFDM-Based Encryption Scheme Using a Dynamic Key Approach. IEEE Internet of Things Journal, 2019, 6, 361-378.	8.7	47
11	Angle-Based Multipath Estimation and Beamforming for FDD Cell-free Massive MIMO. , 2019, , .		10
12	Lightweight, dynamic and efficient image encryption scheme. Multimedia Tools and Applications, 2019, 78, 16527-16561.	3.9	19
13	A survey on OFDM physical layer security. Physical Communication, 2019, 32, 1-30.	2.1	54
14	A Physical Encryption Scheme for Low-Power Wireless M2M Devices: a Dynamic Key Approach. Mobile Networks and Applications, 2019, 24, 447-463.	3.3	7
15	A Loop-Based Methodology for Reducing Computational Redundancy in Workload Sets. IEEE Access, 2018, 6, 9570-9584.	4.2	2
16	Large MIMO Detection Schemes Based on Channel Puncturing: Performance and Complexity Analysis. IEEE Transactions on Communications, 2018, 66, 2421-2436.	7.8	15
17	Power Control and Channel Allocation for D2D Underlaid Cellular Networks. IEEE Transactions on Communications, 2018, 66, 3217-3234.	7.8	40
18	One round cipher algorithm for multimedia IoT devices. Multimedia Tools and Applications, 2018, 77, 18383-18413.	3.9	81

#	Article	IF	Citations
19	High Order Multi-User MIMO Subspace Detection. Journal of Signal Processing Systems, 2018, 90, 305-321.	2.1	7
20	A new efficient lightweight and secure image cipher scheme. Multimedia Tools and Applications, 2018, 77, 15457-15484.	3.9	26
21	Efficient and Secure Physical Encryption Scheme for Low-Power Wireless M2M Devices. , 2018, , .		11
22	When Quantized Massive MIMO Meets Large MIMO With Higher Order Modulation. IEEE Communications Letters, 2018, 22, 2599-2602.	4.1	1
23	Memristor models optimization for large-scale 1T1R memory arrays. , 2018, , .		2
24	Channel-Punctured Large MIMO Detection. , 2018, , .		4
25	S-DES: An efficient & secure DES variant. , 2018, , .		5
26	A dynamic approach for a lightweight and secure cipher for medical images. Multimedia Tools and Applications, 2018, 77, 31397-31426.	3.9	17
27	A fairness-based congestion control algorithm for multipath TCP. , 2018, , .		6
28	Joint channel allocation and power control for D2D communications using stochastic geometry. , 2018, , .		4
29	Modulation Classification via Subspace Detection in MIMO Systems. IEEE Communications Letters, 2017, 21, 64-67.	4.1	10
30	A Multi-Gbps Fully Pipelined Layered Decoder for IEEE 802.11n/ac/ax LDPC Codes. , 2017, , .		4
31	Hard-output chase detectors for large MIMO: BER performance and complexity analysis. , 2017, , .		3
32	A Distance-Based Power Control Scheme for D2D Communications Using Stochastic Geometry. , 2017, , .		21
33	Interlaced Column-Row Message-Passing Schedule for Decoding LDPC Codes. , 2016, , .		5
34	Enhanced low-complexity layer-ordering for MIMO sphere detectors. , 2016, , .		3
35	Low-complexity joint modulation classification and detection in MU-MIMO. , 2016, , .		2
36	Efficient near optimal joint modulation classification and detection for MU-MIMO systems. , 2016, , .		9

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37	Efficient near-optimal 8Ã—8 MIMO detector. , 2016, , .		3
38	Efficient subspace detection for high-order MIMO systems. , 2016, , .		5
39	Comments on â€œA Square-Root-Free Matrix Decomposition Method for Energy-Efficient Least Square Computation on Embedded Systemsâ€. IEEE Embedded Systems Letters, 2016, 8, 61-63.	1.9	4
40	A Low-Complexity Detection Algorithm for the Primary Synchronization Signal in LTE. IEEE Transactions on Vehicular Technology, 2016, 65, 8751-8757.	6.3	23
41	A Low-Complexity PAPR Reduction Technique for LTE-Advanced Uplink with Carrier Aggregation. , 2015, , .		7
42	Likelihood-based modulation classification for MU-MIMO systems. , 2015, , .		6
43	Low-complexity MIMO detector with 1024-QAM. , 2015, , .		7
44	Soft-Output MIMO Detectors with Channel Estimation Error. IEEE Signal Processing Letters, 2015, 22, 993-997.	3.6	14
45	PAPR reduction in LTE-Advanced carrier aggregation using low-complexity joint interleaving technique. , 2015, , .		12
46	Designing low-V<inf>Th</inf> STT-RAM for write energy reduction in scaled technologies. , 2015, , .		2
47	A low-complexity MIMO subspace detection algorithm. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .	2.4	11
48	Optimized Configurable Architectures for Scalable Soft-Input Soft-Output MIMO Detectors With 256-QAM. IEEE Transactions on Signal Processing, 2015, 63, 4969-4984.	5.3	17
49	A Near-ML MIMO Subspace Detection Algorithm. IEEE Signal Processing Letters, 2015, 22, 408-412.	3.6	24
50	Reduced Complexity Soft-Output MIMO Sphere Detectorsâ€”Part II: Architectural Optimizations. IEEE Transactions on Signal Processing, 2014, 62, 5521-5535.	5.3	25
51	Reduced Complexity Soft-Output MIMO Sphere Detectorsâ€”Part I: Algorithmic Optimizations. IEEE Transactions on Signal Processing, 2014, 62, 5505-5520.	5.3	39
52	A Low-Complexity PAPR Reduction Technique for LTE-Advanced Uplink with Carrier Aggregation. , 2014, , .		0
53	A Fast Recursive Algorithm and Architecture for Pruned Bit-reversal Interleavers. Journal of Signal Processing Systems, 2013, 71, 201-219.	2.1	0
54	Fast Pruned Interleaving. IEEE Transactions on Communications, 2013, 61, 817-831.	7.8	0

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55	A Hardware-Efficient Algorithm for Real-Time Computation of Zadoffâ€“Chu Sequences. Journal of Signal Processing Systems, 2013, 70, 209-218.	2.1	3
56	Pruned Bit-Reversal Permutations: Mathematical Characterization, Fast Algorithms and Architectures. IEEE Transactions on Signal Processing, 2013, 61, 3081-3099.	5.3	2
57	A recursive algorithm for pruned bit-reversal permutations. , 2012, , .		2
58	A Reconfigurable TDMP Decoder for Raptor Codes. Journal of Signal Processing Systems, 2012, 69, 293-304.	2.1	1
59	Construction and Hardware-Efficient Decoding of Raptor Codes. IEEE Transactions on Signal Processing, 2011, 59, 2943-2960.	5.3	7
60	Parallel lookahead algorithms for pruned interleavers. IEEE Transactions on Communications, 2009, 57, 3188-3194.	7.8	7
61	Optimized Architecture for Computing Zadoff-Chu Sequences with Application to LTE. , 2009, , .		40
62	A Parallel Pruned Bit-Reversal Interleaver. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2009, 17, 1147-1151.	3.1	4
63	A Novel Design Methodology for High-Performance Programmable Decoder Cores for AA-LDPC Codes. Journal of Signal Processing Systems, 2005, 40, 371-382.	1.0	9
64	Modified Sakurai-Newton current model and its applications to CMOS digital circuit design. , 2003, , .		12
65	Fast-Converging and Low-Power LDPC Decoding: Algorithm, Architecture, and VLSI Implementation. Journal of Signal Processing Systems, 0, , 1.	2.1	0