Wallace Alves Martins

List of Publications by Year
in descending order

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56	654	840776 11	642732 23
papers	citations	h-index	g-index

56	56	56	552
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Kernel Regression Over Graphs Using Random Fourier Features. IEEE Transactions on Signal Processing, 2022, 70, 936-949.	5.3	13
2	User Selection for Massive MIMO under Line-of-Sight Propagation. IEEE Open Journal of the Communications Society, 2022, 3, 867-887.	6.9	5
3	Maximizing the Number of Served Users in a Smart City using Reconfigurable Intelligent Surfaces. , 2022, , .		2
4	Adaptive Graph Filters in Reproducing Kernel Hilbert Spaces: Design and Performance Analysis. IEEE Transactions on Signal and Information Processing Over Networks, 2021, 7, 62-74.	2.8	13
5	Data-Driven Precoded MIMO Detection Robust to Channel Estimation Errors. IEEE Open Journal of the Communications Society, 2021, 2, 1144-1157.	6.9	1
6	Symbol-Level Precoding With Constellation Rotation in the Finite Block Length Regime. IEEE Communications Letters, 2021, 25, 2314-2318.	4.1	2
7	A fault detector/classifier for closed-ring power generators using machine learning. Reliability Engineering and System Safety, 2021, 212, 107614.	8.9	10
8	Multi-Antenna Data-Driven Eavesdropping Attacks and Symbol-Level Precoding Countermeasures. IEEE Open Journal of Vehicular Technology, 2021, 2, 321-336.	4.9	0
9	User Selection based on Inter-channel Interference for Massive MIMO under Line-of-sight Propagation. , 2021, , .		2
10	DME Interference Mitigation for GNSS Receivers via Nonnegative Matrix Factorization. , 2021, , .		3
11	Normalized LMS algorithm and data-selective strategies for adaptive graph signal estimation. Signal Processing, 2020, 167, 107326.	3.7	31
12	Semi-blind Data-Selective and Multiple Threshold Volterra Adaptive Filtering. Circuits, Systems, and Signal Processing, 2020, 39, 1509-1532.	2.0	3
13	Oversampled DFT-Modulated Biorthogonal Filter Banks: Perfect Reconstruction Designs and Multiplierless Approximations. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2777-2781.	3.0	3
14	Extended Adjacency and Scale-Dependent Graph Fourier Transform via Diffusion Distances. IEEE Transactions on Signal and Information Processing Over Networks, 2020, 6, 592-604.	2.8	4
15	On the Convergence of Max-Min Fairness Power Allocation in Massive MIMO Systems. IEEE Communications Letters, 2020, 24, 2873-2877.	4.1	5
16	Reconfigurable Intelligent Surfaces for Smart Cities: Research Challenges and Opportunities. IEEE Open Journal of the Communications Society, 2020, 1, 1781-1797.	6.9	52
17	Joint Forecasting and Interpolation of Time-Varying Graph Signals Using Deep Learning. IEEE Transactions on Signal and Information Processing Over Networks, 2020, 6, 761-773.	2.8	8
18	Faster-Than-Nyquist Signaling Via Spatiotemporal Symbol-Level Precoding for Multi-User MISO Redundant Transmissions. , 2020, , .		3

#	Article	IF	Citations
19	Graph Diffusion Kernel LMS using Random Fourier Features. , 2020, , .		7
20	Convex Combination of Constraint Vectors for Set-membership Affine Projection Algorithms. , 2019, , .		2
21	Achievable Data Rate of DCT-Based Multicarrier Modulation Systems. IEEE Transactions on Wireless Communications, 2019, 18, 1739-1749.	9.2	4
22	Intersymbol and Intercarrier Interference in OFDM Transmissions Through Highly Dispersive Channels. , 2019, , .		6
23	Data-Selective Volterra Adaptive Filters. Circuits, Systems, and Signal Processing, 2018, 37, 4651-4664.	2.0	5
24	Optimal Constraint Vectors for Set-Membership Proportionate Affine Projection Algorithms. , 2018, , .		1
25	Optimal constraint vectors for set-membership affine projection algorithms. Signal Processing, 2017, 134, 285-294.	3.7	17
26	Communication Models for Distributed Acoustic Sensing for Telemetry. IEEE Sensors Journal, 2017, 17, 4677-4688.	4.7	6
27	New Designs for Reduced-Redundancy Transceivers. Circuits, Systems, and Signal Processing, 2017, 36, 2075-2101.	2.0	0
28	Performance evaluation of adaptive filters for sparse wireless channel estimation. , 2017, , .		2
29	Implementation Issues of Adaptive Energy Detection in Heterogeneous Wireless Networks. Sensors, 2017, 17, 932.	3.8	1
30	Acoustic Sensor Self-Localization: Models and Recent Results. Wireless Communications and Mobile Computing, 2017, 2017, 1-13.	1.2	6
31	Low-complexity proportionate algorithms with sparsity-promoting penalties. , 2016, , .		6
32	Incumbent and LSA Licensee Classification Through Distributed Cognitive Networks. IEEE Transactions on Communications, 2016, 64, 94-103.	7.8	6
33	Robust Acoustic Self-Localization of Mobile Devices. IEEE Transactions on Mobile Computing, 2016, 15, 982-995.	5.8	30
34	Doppler effects on transceivers with reduced redundancy. , 2015, , .		1
35	Modified Sparsity-aware Set-Membership Affine Projection algorithm. , 2015, , .		0
36	A Volumetric SRP with Refinement Step for Sound Source Localization. IEEE Signal Processing Letters, 2015, 22, 1098-1102.	3.6	26

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37	Energy Detection Technique for Adaptive Spectrum Sensing. IEEE Transactions on Communications, 2015, 63, 617-627.	7.8	108
38	Choosing coherent times of flight for improved acoustic sensor localization. , 2014, , .		0
39	A Steered-Response Power Algorithm Employing Hierarchical Search for Acoustic Source Localization Using Microphone Arrays. IEEE Transactions on Signal Processing, 2014, 62, 5171-5183.	5.3	51
40	Sparsity-Aware Data-Selective Adaptive Filters. IEEE Transactions on Signal Processing, 2014, 62, 4557-4572.	5.3	78
41	Data-selective cooperative spectrum sensing based on imperfect information exchange. , 2014, , .		2
42	Stability and MSE analyses of affine projection algorithms for sparse system identification. , 2014, , .		13
43	Closed-form solutions for robust acoustic sensor localization. , 2013, , .		7
44	Affine projection algorithms for sparse system identification. , 2013, , .		37
45	LTI Transceivers With Reduced Redundancy. IEEE Transactions on Signal Processing, 2012, 60, 766-780.	5.3	10
46	DHT-Based Transceivers With Reduced Redundancy. IEEE Transactions on Signal Processing, 2012, 60, 6080-6085.	5.3	3
47	Open-source physical-layer simulator for LTE systems. , 2012, , .		6
48	Block Transceivers: OFDM and Beyond. Synthesis Lectures on Communications, 2012, 5, 1-206.	0.5	7
49	Memoryless block transceivers with minimum redundancy based on Hartley transforms. Signal Processing, 2011, 91, 240-251.	3.7	11
50	Analysis of Zero-Padded Optimal Transceivers. IEEE Transactions on Signal Processing, 2011, 59, 5443-5457.	5.3	4
51	On the normalized minimum error-entropy adaptive algorithm: Cost function and update recursion. , 2010, , .		3
52	Suboptimal Linear MMSE Equalizers With Minimum Redundancy. IEEE Signal Processing Letters, 2010, 17, 387-390.	3.6	12
53	Pilot-aided designs of memoryless block equalizers with minimum redundancy. , 2010, , .		5
54	Combating noise gains in high-throughput block transceivers using CSI at the transmitter. , 2010, , .		3

#	Article	IF	Citations
55	Semi-blind data-selective algorithms for channel equalization. , 2008, , .		4
56	Semi-blind data-selective equalizers for QAM. , 2008, , .		4