

Constantin Paleologu

List of Publications by Year in descending order

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64
papers

1,381
citations

471509

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h-index

454955

30
g-index

64
all docs

64
docs citations

64
times ranked

765
citing authors

#	ARTICLE	IF	CITATIONS
1	A Robust Variable Forgetting Factor Recursive Least-Squares Algorithm for System Identification. IEEE Signal Processing Letters, 2008, 15, 597-600.	3.6	308
2	A Variable Step-Size Affine Projection Algorithm Designed for Acoustic Echo Cancellation. IEEE Transactions on Audio Speech and Language Processing, 2008, 16, 1466-1478.	3.2	126
3	On Regularization in Adaptive Filtering. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 1734-1742.	3.2	82
4	Linear System Identification Based on a Kronecker Product Decomposition. IEEE/ACM Transactions on Audio Speech and Language Processing, 2018, 26, 1793-1808.	5.8	80
5	On the Identification of Bilinear Forms With the Wiener Filter. IEEE Signal Processing Letters, 2017, 24, 653-657.	3.6	78
6	An optimized NLMS algorithm for system identification. Signal Processing, 2016, 118, 115-121.	3.7	73
7	Sparse Adaptive Filters for Echo Cancellation. Synthesis Lectures on Speech and Audio Processing, 2010, 6, 1-124.	0.4	63
8	Recursive Least-Squares Algorithms for the Identification of Low-Rank Systems. IEEE/ACM Transactions on Audio Speech and Language Processing, 2019, 27, 903-918.	5.8	61
9	Adaptive filtering for the identification of bilinear forms. , 2018, 75, 153-167.		45
10	A widely linear model for stereophonic acoustic echo cancellation. Signal Processing, 2013, 93, 511-516.	3.7	41
11	Proportionate Adaptive Filters From a Basis Pursuit Perspective. IEEE Signal Processing Letters, 2010, 17, 985-988.	3.6	40
12	A Perspective on Stereophonic Acoustic Echo Cancellation. Springer Topics in Signal Processing, 2011, , .	0.2	40
13	On the influence of the forgetting factor of the RLS adaptive filter in system identification. , 2009, , .		27
14	Efficient recursive least-squares algorithms for the identification of bilinear forms. , 2018, 83, 280-296.		27
15	Regularization of the Affine Projection Algorithm. IEEE Transactions on Circuits and Systems II: Express Briefs, 2011, 58, 366-370.	3.0	22
16	Tensor-Based Adaptive Filtering Algorithms. Symmetry, 2021, 13, 481.	2.2	22
17	A variable step size evolutionary affine projection algorithm. , 2011, , .		20
18	Widely linear general Kalman filter for stereophonic acoustic echo cancellation. Signal Processing, 2014, 94, 570-575.	3.7	20

#	ARTICLE	IF	CITATIONS
19	Regularization of the RLS Algorithm. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2011, E94-A, 1628-1629.	0.3	20
20	An efficient Kalman filter for the identification of low-rank systems. Signal Processing, 2020, 166, 107239.	3.7	19
21	Identification of Linear and Bilinear Systems: A Unified Study. Electronics (Switzerland), 2021, 10, 1790.	3.1	18
22	System Identification Based on Tensor Decompositions: A Trilinear Approach. Symmetry, 2019, 11, 556.	2.2	17
23	A Recursive Least-Squares Algorithm for the Identification of Trilinear Forms. Algorithms, 2020, 13, 135.	2.1	11
24	Identification of Bilinear Forms with the Kalman Filter. , 2018, , .		10
25	A Variable Step Size Normalized Least-Mean-Square Algorithm Based on Data Reuse. Algorithms, 2022, 15, 111.	2.1	10
26	Data-Reuse Recursive Least-Squares Algorithms. IEEE Signal Processing Letters, 2022, 29, 752-756.	3.6	9
27	A Connection Between the Kalman Filter and an Optimized LMS Algorithm for Bilinear Forms. Algorithms, 2018, 11, 211.	2.1	7
28	Person Re-Identification across Data Distributions Based on General Purpose DNN Object Detector. Algorithms, 2020, 13, 343.	2.1	7
29	An Iterative Wiener Filter for the Identification of Multilinear Forms. , 2020, , .		6
30	On the stochastic modeling of the LMS algorithm operating with bilinear forms. , 2022, 122, 103359.		6
31	An NLMS algorithm for the identification of bilinear forms. , 2017, , .		5
32	A Kalman Filter for Multilinear Forms and Its Connection with Tensorial Adaptive Filters. Sensors, 2021, 21, 3555.	3.8	5
33	LMS Algorithms for Multilinear Forms. , 2020, , .		5
34	An Optimized Differential Step-Size LMS Algorithm. Algorithms, 2019, 12, 147.	2.1	4
35	A Multichannel Recursive Least-Squares Algorithm Based on a Kronecker Product Decomposition. , 2020, , .		4
36	Modified filtered-x dichotomous coordinate descent recursive affine projection algorithm. , 2009, , .		3

#	ARTICLE	IF	CITATIONS
37	Analysis of an LMS algorithm for bilinear forms. , 2017, , .		3
38	A Proportionate Affine Projection Algorithm for the Identification of Sparse Bilinear Forms. , 2019, , .		3
39	Hybrid MU-MIMO Precoding Based on K-Means User Clustering. Algorithms, 2019, 12, 146.	2.1	3
40	A Tensorial Affine Projection Algorithm. , 2021, , .		3
41	An Insightful Overview of the Wiener Filter for System Identification. Applied Sciences (Switzerland), 2021, 11, 7774.	2.5	3
42	An Iterative Multichannel Wiener Filter Based on a Kronecker Product Decomposition. , 2021, , .		3
43	Cascaded RLS Adaptive Filters Based on a Kronecker Product Decomposition. Electronics (Switzerland), 2022, 11, 409.	3.1	3
44	On the Identification of Symmetric and Antisymmetric Impulse Responses. , 2021, , .		3
45	LMS and NLMS Algorithms for the Identification of Impulse Responses with Intrinsic Symmetric or Antisymmetric Properties. , 2022, , .		3
46	LTE Turbo Decoding Parallel Architecture with Single Interleaver Implemented on FPGA. Circuits, Systems, and Signal Processing, 2017, 36, 1455-1475.	2.0	2
47	An Iterative Wiener Filter for the Identification of Trilinear Forms. , 2019, , .		2
48	Combinations of Adaptive Filters within the Multilinear Forms. , 2021, , .		2
49	Efficient Algorithms for Linear System Identification with Particular Symmetric Filters. Applied Sciences (Switzerland), 2022, 12, 4263.	2.5	2
50	Reduced Complexity Decoder for Orthogonal Space-Time Codes When Using QAM Constellations. , 2008, , .		1
51	Spatial Multiplexing Turbo Receiver with Reduced Complexity. , 2009, , .		1
52	Implementation of a real-time text dependent speaker identification system. , 2011, , .		1
53	An Optimized LMS Algorithm for Bilinear Forms. , 2018, , .		1
54	A Regularized RLS Algorithm for the Identification of Third-Order Tensors. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
55	Efficient ML Decoder for Quasi-orthogonal Space-Time Codes When Using QAM Constellation. , 2008, , .		0
56	Reduced Complexity Decoder for Orthogonal Space-Time Codes When Using QAM Constellations and Multiple Receive Antennas. , 2010, , .		0
57	Regularized Recursive Least-Squares Algorithms for the Identification of Bilinear Forms. , 2018, , .		0
58	On the Stochastic Modeling of the NLMS Algorithm Operating with Bilinear forms. , 2021, , .		0
59	A Fully Autonomous Person Re-Identification System. , 2021, , .		0
60	On the Performance of LMS-Based Algorithms for the Identification of Low-Rank Systems. , 2020, , .		0
61	Improved Affine Projection Algorithm for the Identification of Multilinear Forms. , 2021, , .		0
62	Cascaded Adaptive Filters in a Multilinear Approach for System Identification. , 2021, , .		0
63	Identification of Multilinear Systems: A Brief Overview. , 0, , .		0
64	Efficient Identification of Acoustic Linear Systems. , 2022, , .		0