

Nithin George

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5808761/publications.pdf>

Version: 2024-02-01

85
papers

1,689
citations

361413
20
h-index

345221
36
g-index

85
all docs

85
docs citations

85
times ranked

907
citing authors

#	ARTICLE	IF	CITATIONS
1	Generalized Modified Blake-Zisserman Robust Sparse Adaptive Filters. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2023, 53, 647-652.	9.3	10
2	Robust and Sparse Aware Diffusion Adaptive Algorithms for Distributed Estimation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 239-243.	3.0	5
3	Affine Projection Champernowne Algorithm for Robust Adaptive Filtering. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1947-1951.	3.0	10
4	A Robust Family of Algorithms for Adaptive Filtering Based on the Arctangent Framework. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1967-1971.	3.0	8
5	Low Complexity and Robust Diffusion Affine Projection Algorithms for Distributed Estimation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1952-1956.	3.0	4
6	An Improved Constrained LMS Algorithm for Fast Adaptive Beamforming Based on a Low Rank Approximation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 3605-3609.	3.0	7
7	Coarray Manifold Separation In The Spherical Harmonics Domain For Enhanced Source Localization. , 2022, , .		3
8	Convergence Analysis of Adaptive Exponential Functional Link Network. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 882-891.	11.3	13
9	Joint Logarithmic Hyperbolic Cosine Robust Sparse Adaptive Algorithms. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 526-530.	3.0	25
10	A Reduced Complexity Random Fourier Filter Based Nonlinear Multichannel Narrowband Active Noise Control System. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 516-520.	3.0	5
11	Design of a class of zero attraction based sparse adaptive feedback cancellers for assistive listening devices. Applied Acoustics, 2021, 173, 107683.	3.3	3
12	Fast Direction-of-Arrival Estimation via Coarray Interpolation Based on Truncated Nuclear Norm Regularization. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 1522-1526.	3.0	11
13	Corrosion monitoring in steel bars using Laser ultrasonic guided waves and advanced signal processing. Mechanical Systems and Signal Processing, 2021, 149, 107176.	8.0	34
14	Nearest Kronecker Product Decomposition Based Linear-in-The-Parameters Nonlinear Filters. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 2111-2122.	5.8	28
15	Exponential Hyperbolic Cosine Robust Adaptive Filters for Audio Signal Processing. IEEE Signal Processing Letters, 2021, 28, 1410-1414.	3.6	35
16	Underdetermined Direction-of-Arrival Estimation Using Sparse Circular Arrays on a Rotating Platform. IEEE Signal Processing Letters, 2021, 28, 862-866.	3.6	5
17	Fast and efficient acoustic feedback cancellation based on low rank approximation. Signal Processing, 2021, 182, 107984.	3.7	19
18	Modified Champernowne Function Based Robust and Sparsity-Aware Adaptive Filters. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2202-2206.	3.0	18

#	ARTICLE	IF	CITATIONS
19	A family of logarithmic hyperbolic cosine spline nonlinear adaptive filters. Applied Acoustics, 2021, 178, 107973.	3.3	19
20	Robust Constrained Generalized Correntropy and Maximum Versoria Criterion Adaptive Filters. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 3002-3006.	3.0	14
21	Coarray MUSIC-Group Delay: High-Resolution Source Localization Using Non-Uniform Arrays. IEEE Transactions on Vehicular Technology, 2021, 70, 9597-9601.	6.3	10
22	Robust and sparsity-aware adaptive filters: A Review. Signal Processing, 2021, 189, 108276.	3.7	43
23	Speech quality enhancement using a two channel sparse adaptive filtering approach. Applied Acoustics, 2020, 158, 107035.	3.3	6
24	A generalized maximum correntropy criterion based robust sparse adaptive room equalization. Applied Acoustics, 2020, 158, 107036.	3.3	12
25	An Analytical Framework and Approximation Strategy for Efficient Implementation of Distributed Arithmetic-Based Inner-Product Architectures. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 212-224.	5.4	8
26	Multi-channel spline adaptive filters for non-linear active noise control. Applied Acoustics, 2020, 161, 107142.	3.3	18
27	Design of Nonlinear Filters Using Affine Projection Algorithm Based Exact and Approximate Adaptive Exponential Functional Link Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2757-2761.	3.0	8
28	Weibull M-transform least mean square algorithm. Applied Acoustics, 2020, 170, 107488.	3.3	9
29	Nearest Kronecker Product Decomposition Based Generalized Maximum Correntropy and Generalized Hyperbolic Secant Robust Adaptive Filters. IEEE Signal Processing Letters, 2020, 27, 1525-1529.	3.6	34
30	Nearest Kronecker Product Decomposition Based Normalized Least Mean Square Algorithm. , 2020, , .		15
31	Adaptive Modified Versoria Zero Attraction Least Mean Square Algorithms. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 3602-3606.	3.0	18
32	Analysis and Design of Unified Architectures for Zero-Attraction-Based Sparse Adaptive Filters. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2020, 28, 1321-1325.	3.1	10
33	Nonlinear System Identification Using Exact and Approximate Improved Adaptive Exponential Functional Link Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 3542-3546.	3.0	15
34	Dynamic Nonlinear Active Noise Control: A Multi-objective Evolutionary Computing Approach. Modeling and Optimization in Science and Technologies, 2020, , 421-439.	0.7	1
35	Corrosion detection in steel bar: A time-frequency approach. NDT and E International, 2019, 107, 102150.	3.7	33
36	Analysis and Design of Approximate Inner-Product Architectures Based on Distributed Arithmetic. , 2019, , .		5

#	ARTICLE	IF	CITATIONS
37	Two microphone acoustic feedback cancellation in digital hearing aids: A step size controlled frequency domain approach. Applied Acoustics, 2018, 132, 142-151.	3.3	10
38	Polynomial Sparse Adaptive Estimation in Distributed Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 401-405.	3.0	13
39	Sparsity Aware Hybrid Adaptive Algorithms for Modeling Acoustic Paths. , 2018, , .		0
40	Efficient Shift-Add Implementation of FIR Filters Using Variable Partition Hybrid Form Structures. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 4247-4257.	5.4	15
41	KELM-CPPpred: Kernel Extreme Learning Machine Based Prediction Model for Cell-Penetrating Peptides. Journal of Proteome Research, 2018, 17, 3214-3222.	3.7	58
42	Parameter estimation of MIMO bilinear systems using a Levy shuffled frog leaping algorithm. Soft Computing, 2017, 21, 3849-3858.	3.6	8
43	Swarm and evolutionary computing algorithms for system identification and filter design: A comprehensive review. Swarm and Evolutionary Computation, 2017, 32, 68-84.	8.1	66
44	Acoustic feedback cancellation in digital hearing aids: A sparse adaptive filtering approach. Applied Acoustics, 2017, 122, 138-145.	3.3	24
45	Robust equalizer design for adaptive room impulse response compensation. Applied Acoustics, 2017, 125, 1-6.	3.3	6
46	Generalized spline nonlinear adaptive filters. Expert Systems With Applications, 2017, 83, 122-130.	7.6	19
47	An Improved Proportionate Delayless Multiband-Structured Subband Adaptive Feedback Canceller for Digital Hearing Aids. IEEE/ACM Transactions on Audio Speech and Language Processing, 2017, 25, 1633-1643.	5.8	21
48	Modified Phase-Scheduled-Command FxLMS Algorithm for Active Sound Profiling. IEEE/ACM Transactions on Audio Speech and Language Processing, 2017, 25, 1799-1808.	5.8	8
49	Robust active noise control: An information theoretic learning approach. Applied Acoustics, 2017, 117, 180-184.	3.3	38
50	Collaborative adaptive exponential linear-in-the-parameters nonlinear filters. , 2017, , .		3
51	An adaptive background subtraction scheme for video surveillance systems. , 2017, , .		7
52	Online least angle regression algorithm for sparse system identification. , 2017, , .		1
53	Time frequency analysis: A sparse S transform approach. , 2016, , .		3
54	Design of dynamic linear-in-the-parameters nonlinear filters for active noise control. , 2016, , .		7

#	ARTICLE	IF	CITATIONS
55	Design of Adaptive Exponential Functional Link Network-Based Nonlinear Filters. IEEE Transactions on Circuits and Systems I: Regular Papers, 2016, 63, 1434-1442.	5.4	71
56	Design of hybrid nonlinear spline adaptive filters for active noise control. , 2016, , .		3
57	Polynomial sparse adaptive algorithm. Electronics Letters, 2016, 52, 2063-2065.	1.0	14
58	Compensating acoustic feedback in feed-forward active noise control systems using spline adaptive filters. Signal Processing, 2016, 120, 448-455.	3.7	20
59	Robust modeling of acoustic paths using a sparse adaptive algorithm. Applied Acoustics, 2016, 101, 122-126.	3.3	16
60	On the design of a sparse adaptive room equalizer. , 2015, , .		1
61	Partial update even mirror fourier non-linear filters for active noise control. , 2015, , .		8
62	Improving convergence in finite word length nonlinear active noise control systems. , 2015, , .		0
63	Nonlinear active noise control using spline adaptive filters. Applied Acoustics, 2015, 93, 38-43.	3.3	37
64	GPR Data Analysis of Weak Signals Using Modified S-Transform. Geotechnical and Geological Engineering, 2015, 33, 1167-1182.	1.7	8
65	Nonlinear system identification using a cuckoo search optimized adaptive Hammerstein model. Expert Systems With Applications, 2015, 42, 2538-2546.	7.6	109
66	Development of a novel robust identification scheme for nonlinear dynamic systems. International Journal of Adaptive Control and Signal Processing, 2015, 29, 385-406.	4.1	4
67	A Levy Interior Search Algorithm for Chaotic System Identification. Advances in Intelligent Systems and Computing, 2015, , 137-147.	0.6	1
68	Online estimation of secondary path in active noise control systems using Generalized Levinson Durbin algorithm. , 2014, , .		2
69	Design of a krill herd algorithm based adaptive channel equalizer. , 2014, , .		6
70	On a cuckoo search optimization approach towards feedback system identification. , 2014, 32, 156-163.		68
71	Improving convergence of nonlinear active noise control systems. , 2014, , .		0
72	A local variance approach to time frequency localization. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
73	Convex combination of nonlinear adaptive filters for active noise control. Applied Acoustics, 2014, 76, 157-161.	3.3	58
74	An improved face recognition scheme using transform domain features. , 2014, , .		0
75	Active control of nonlinear noise processes using cascaded adaptive nonlinear filter. Applied Acoustics, 2013, 74, 217-222.	3.3	20
76	Advances in active noise control: A survey, with emphasis on recent nonlinear techniques. Signal Processing, 2013, 93, 363-377.	3.7	139
77	On the development of a partial update multichannel nonlinear active noise control system. , 2013, , .		1
78	A Particle-Swarm-Optimization-Based Decentralized Nonlinear Active Noise Control System. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 3378-3386.	4.7	69
79	Identification of Glacial Isostatic Adjustment in Eastern Canada Using S Transform Filtering of GPS Observations. Pure and Applied Geophysics, 2012, 169, 1507-1517.	1.9	11
80	A robust filtered-s LMS algorithm for nonlinear active noise control. Applied Acoustics, 2012, 73, 836-841.	3.3	82
81	A robust evolutionary feedforward active noise control system using Wilcoxon norm and particle swarm optimization algorithm. Expert Systems With Applications, 2012, 39, 7574-7580.	7.6	18
82	On the development of adaptive hybrid active noise control system for effective mitigation of nonlinear noise. Signal Processing, 2012, 92, 509-516.	3.7	41
83	Development of low complexity evolutionary computing based nonlinear active noise control systems. , 2011, , .		3
84	Time Localised Band Filtering Using Modified S-Transform. , 2009, , .		16
85	An Improved S-Transform for Time-Frequency Analysis. , 2009, , .		35