

Scott C Douglas

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10788861/publications.pdf>

Version: 2024-02-01

48
papers

747
citations

1163117

8
h-index

839539

18
g-index

48
all docs

48
docs citations

48
times ranked

433
citing authors

#	ARTICLE	IF	CITATIONS
1	Extending the Stansfield Algorithm to Three Dimensions: Algorithms and Implementations. IEEE Transactions on Signal Processing, 2018, 66, 1106-1117.	5.3	1
2	Performance analysis of the deficient length augmented CLMS algorithm for second order noncircular complex signals. Signal Processing, 2018, 144, 214-225.	3.7	19
3	A perspective on CLMS as a deficient length augmented CLMS: Dealing with second order noncircularity. Signal Processing, 2018, 149, 236-245.	3.7	8
4	Affine-Projection Least-Mean-Magnitude-Phase Algorithms Using a Posteriori Updates. , 2018, , .		0
5	Single-channel Wiener filtering of deterministic signals in stochastic noise using the panorama. , 2017, , .		1
6	The quaternion least mean magnitude phase adaptive filtering algorithm. , 2017, , .		5
7	Performance advantage of quaternion widely linear estimation: An approximate uncorrelating transform approach. , 2016, , .		4
8	Reduced-complexity direction-of-arrival estimation for large-aperture antenna arrays employing spatial ambiguities. , 2016, , .		0
9	Assessing range accuracy for bearings-only geolocation using optimal logarithmic spiral sensor path trajectories. , 2015, , .		0
10	Mean square analysis of the CLMS and ACLMS for non-circular signals: The approximate uncorrelating transform approach. , 2015, , .		17
11	Weighted stansfield algorithm in three dimensions. , 2014, , .		1
12	A real time tracker of complex circularity. , 2014, , .		4
13	An angular sampling theorem for the usable frequency range of antenna array calibration measurements. , 2014, , .		1
14	Root-MSE geolocation performance using angle-of-arrival measurements. , 2013, , .		2
15	Widely linear state space models for frequency estimation in unbalanced three-phase systems. , 2012, , .		5
16	Adaptive Frequency Estimation in Smart Grid Applications: Exploiting Noncircularity and Widely Linear Adaptive Estimators. IEEE Signal Processing Magazine, 2012, 29, 44-54.	5.6	145
17	An adaptive approach for the identification of improper complex signals. Signal Processing, 2012, 92, 335-344.	3.7	28
18	Widely linear adaptive frequency estimation in three-phase power systems under unbalanced voltage sag conditions. , 2011, , .		3

#	ARTICLE	IF	CITATIONS
19	The least-mean-magnitude-phase algorithm with applications to communications systems. , 2011, , .		10
20	Performance analysis of the conventional complex LMS and augmented complex LMS algorithms. , 2010, , .		28
21	Mean and Mean-Square Analysis of the Complex LMS Algorithm for Non-Circular Gaussian Signals. , 2009, , .		9
22	Duality between widely linear and dual channel adaptive filtering. , 2009, , .		17
23	A Spatio-Temporal Speech Enhancement Technique Based on Generalized Eigenvalue Decomposition. IEEE Transactions on Audio Speech and Language Processing, 2009, 17, 830-839.	3.2	2
24	Widely-linear recursive least-squares algorithm for adaptive beamforming. , 2009, , .		49
25	A spatio-temporal power method for time-domain multi-channel speech enhancement. , 2009, , .		0
26	Application of Two Time-Domain Convolutional Blind Source Separation Algorithms to the 2008 Signal Separation Evaluation Campaign (SiSEC) Data. Lecture Notes in Computer Science, 2009, , 759-766.	1.3	0
27	Designing Pre-College Engineering Curricula and Technology: Lessons Learned From the Infinity Project. Proceedings of the IEEE, 2008, 96, 1035-1048.	21.3	4
28	Collaborative adaptive filtering in the complex domain. , 2008, , .		7
29	Model-based region-of-interest estimation for adaptive resource allocation in multi-aperture imaging systems. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	1
30	Using piecewise linear nonlinearities in the natural gradient and FastICA algorithms for blind source separation. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	3
31	Scaled Natural Gradient Algorithms for Instantaneous and Convolutional Blind Source Separation. , 2007, , .		53
32	Performance Evaluation of Convolutional Blind Source Separation of Mixtures of Unequal-Level Speech Signals. , 2007, , .		1
33	Fixed-Point Algorithms for the Blind Separation of Arbitrary Complex-Valued Non-Gaussian Signal Mixtures. Eurasip Journal on Advances in Signal Processing, 2007, 2007, .	1.7	58
34	Region-of-Interest Estimation for Adaptive Resource Allocation in Multi-Aperture Imaging Systems. , 2007, , .		2
35	On the Design of Gradient Algorithms Employing Orthogonal Matrix Constraints. , 2007, , .		1
36	A Modified Spatio-Temporal Orthogonal Iteration Method for Multichannel Audio Signal Representation. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
37	Signal Deflation and Paraunitary Constraints in Spatio-Temporal FastICA-Based Convolutional Blind Source Separation of Speech Mixtures. , 2007, , .		1
38	Spatio-Temporal FastICA Algorithms for the Blind Separation of Convolutional Mixtures. IEEE Transactions on Audio Speech and Language Processing, 2007, 15, 1511-1520.	3.2	79
39	Simple, Robust, and Memory-Efficient FastICA Algorithms Using the Huber M-Estimator Cost Function. Journal of Signal Processing Systems, 2007, 48, 143-159.	1.0	7
40	Beamforming Initialization and Data Prewhitening in Natural Gradient Convolutional Blind Source Separation of Speech Mixtures. , 2007, , 462-470.		5
41	Convolutional Blind Source Separation for Audio Signals. Signals and Communication Technology, 2007, , 3-45.	0.5	6
42	Gradient Adaptive Paraunitary Filter Banks for Spatio-Temporal Subspace Analysis and Multichannel Blind Deconvolution. Journal of Signal Processing Systems, 2004, 37, 247-261.	1.0	4
43	Convolutional blind separation of speech mixtures using the natural gradient. Speech Communication, 2003, 39, 65-78.	2.8	62
44	Normalized natural gradient adaptive filtering for sparse and non-sparse systems. , 2002, , .		20
45	Blind deconvolution of impulsive signals using a modified Sato algorithm. , 2002, , .		0
46	Fast exact adaptive algorithms for feedforward active noise control. International Journal of Adaptive Control and Signal Processing, 2000, 14, 643-661.	4.1	5
47	Gradient Adaptive Algorithms for Contrast-Based Blind Deconvolution. Journal of Signal Processing Systems, 2000, 26, 47-60.	1.0	23
48	Novel On-Line Adaptive Learning Algorithms for Blind Deconvolution Using the Natural Gradient Approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 1007-1012.	0.4	46