

Andreas Antoniou

List of Publications by Year in descending order

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49
papers

689
citations

687363

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49
all docs

49
docs citations

49
times ranked

500
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of IIR Digital Differentiators Using Constrained Optimization. IEEE Transactions on Signal Processing, 2014, 62, 1729-1739.	5.3	30
2	Affine-Projection-Like Adaptive-Filtering Algorithms Using Gradient-Based Step Size. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 2048-2056.	5.4	42
3	A new partial-update NLMS adaptive-filtering algorithm. , 2014, , .		3
4	Improved Design Method for Nearly Linear-Phase IIR Filters Using Constrained Optimization. IEEE Transactions on Signal Processing, 2013, 61, 895-906.	5.3	42
5	A new algorithm for compressive sensing based on total-variation norm. , 2013, , .		1
6	New constrained affine-projection adaptive-filtering algorithm. , 2013, , .		6
7	New Improved Recursive Least-Squares Adaptive-Filtering Algorithms. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 1548-1558.	5.4	46
8	A Family of Shrinkage Adaptive-Filtering Algorithms. IEEE Transactions on Signal Processing, 2013, 61, 1689-1697.	5.3	90
9	Reconstruction of block-sparse signals by using an ℓ_2/ℓ_1 -regularized least-squares algorithm. , 2012, , .		6
10	Robust Set-Membership Affine-Projection Adaptive-Filtering Algorithm. IEEE Transactions on Signal Processing, 2012, 60, 73-81.	5.3	35
11	A robust constrained set-membership affine-projection adaptive-filtering algorithm. , 2012, , .		6
12	Filter-Based Methodology for the Location of Hot Spots in Proteins and Exons in DNA. IEEE Transactions on Biomedical Engineering, 2012, 59, 1598-1609.	4.2	26
13	Robust Quasi-Newton Adaptive Filtering Algorithms. IEEE Transactions on Circuits and Systems II: Express Briefs, 2011, 58, 537-541.	3.0	21
14	Recovery of sparse signals from noisy measurements using an ℓ_1/ℓ_2 -regularized least-squares algorithm. , 2011, , .		7
15	Robust Recursive Least-Squares Adaptive-Filtering Algorithm for Impulsive-Noise Environments. IEEE Signal Processing Letters, 2011, 18, 185-188.	3.6	47
16	On the Roots of Wireless Communications. IEEE Circuits and Systems Magazine, 2011, 11, 14-25.	2.3	3
17	Unconstrained regularized ℓ_1/ℓ_2 -norm based algorithm for the reconstruction of sparse signals. , 2011, , .		14
18	Signal recovery method for compressive sensing using relaxation and second-order cone programming. , 2011, , .		1

#	ARTICLE	IF	CITATIONS
19	Design Methodology for Nearly Linear-Phase Recursive Digital Filters by Constrained Optimization. IEEE Transactions on Circuits and Systems I: Regular Papers, 2010, 57, 1719-1731.	5.4	9
20	Optimized numerical mapping scheme for filter-based exon location in DNA using a quasi-Newton algorithm. , 2010, , .		6
21	Robust signal recovery approach for compressive sensing using unconstrained optimization. , 2010, , .		2
22	Improved Quasi-Newton Adaptive-Filtering Algorithm. IEEE Transactions on Circuits and Systems I: Regular Papers, 2010, 57, 2109-2118.	5.4	10
23	Design of nearly linear-phase recursive digital filters by using unconstrained least-pth minimax optimization. , 2010, , .		2
24	Tuning technique for the location of hot spots in proteins using a bandpass notch digital filter. , 2009, , .		3
25	Improved hybrid demosaicing and color super-resolution implementation using quasi-Newton algorithms. , 2009, , .		2
26	Location of exons in DNA sequences using digital filters. , 2009, , .		10
27	A set-membership affine projection algorithm with adaptive error bound. , 2009, , .		4
28	A new normalized minimum-error entropy algorithm with reduced computational complexity. , 2009, , .		2
29	Design of nearly linear-phase recursive digital filters by constrained optimization. , 2009, , .		1
30	Storage-efficient quasi-Newton algorithms for image super-resolution. , 2009, , .		2
31	Improved data-selective LMS-Newton adaptation algorithms. , 2009, , .		1
32	An optimization method for edge-detector parameter tuning based on visual perception. , 2009, , .		1
33	Identification of tubulin drug binding sites and prediction of relative differences in binding affinities to tubulin isotypes using digital signal processing. Journal of Molecular Graphics and Modelling, 2008, 27, 497-505.	2.4	15
34	Identification of Hot-Spot Locations in Proteins Using Digital Filters. IEEE Journal on Selected Topics in Signal Processing, 2008, 2, 378-389.	10.8	35
35	An Analysis of a Near-End Crosstalk Cancellation System That Uses Adaptive Filters. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 3306-3316.	5.4	6
36	Improved hot-spot location technique for proteins using a bandpass notch digital filter. , 2008, , .		10

#	ARTICLE	IF	CITATIONS
37	A set-membership nlms algorithm with adaptive error bound. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	6
38	A Hybrid Genetic Algorithm for the Design of IIR Digital Filters. , 2007, , .		3
39	A Multiobjective Genetic Algorithm for Asymmetric FIR Filters. , 2007, , .		2
40	A Genetic Algorithm for the Design of Tunable Fractional-Delay Allpass IIR Filter Structures. , 2007, , .		0
41	An efficient closed-form design method for cosine-modulated filter banks using window functions. Signal Processing, 2007, 87, 811-823.	3.7	42
42	Localization of Hot Spots in Proteins Using Digital Filters. , 2006, , .		8
43	Cascade-Form Multiplierless FIR Filter Design Using Orthogonal Genetic Algorithm. , 2006, , .		30
44	A Genetic-Algorithm Based Approach for the Design of Delay Equalizers. , 2006, , .		5
45	A Stochastic Model for DNA Sequences Using Prescribed Nucleotide and Length Distributions. , 2006, , .		0
46	Design of Nonrecursive Digital Filters Using the Ultraspherical Window Function. Eurasip Journal on Advances in Signal Processing, 2005, 2005, 1.	1.7	40
47	Weighted minimax design of fir QMF banks: Results and comparisons. Canadian Journal of Electrical and Computer Engineering, 1996, 21, 61-66.	2.0	1
48	Application of the Singular-Value Decomposition in the Design of Two-Dimensional Digital Filters. Control and Dynamic Systems, 1995, 69, 181-210.	0.1	3
49	VLSI array processors for linear-phase FIR filters. Canadian Journal of Electrical and Computer Engineering, 1995, 20, 73-77.	2.0	2