

Andreas Antoniou

List of Publications by Year in descending order

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49
papers

689
citations

687363

13
h-index

752698

20
g-index

49
all docs

49
docs citations

49
times ranked

500
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | A Family of Shrinkage Adaptive-Filtering Algorithms. IEEE Transactions on Signal Processing, 2013, 61, 1689-1697. | 5.3 | 90 |
| 2 | Robust Recursive Least-Squares Adaptive-Filtering Algorithm for Impulsive-Noise Environments. IEEE Signal Processing Letters, 2011, 18, 185-188. | 3.6 | 47 |
| 3 | New Improved Recursive Least-Squares Adaptive-Filtering Algorithms. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 1548-1558. | 5.4 | 46 |
| 4 | An efficient closed-form design method for cosine-modulated filter banks using window functions. Signal Processing, 2007, 87, 811-823. | 3.7 | 42 |
| 5 | Improved Design Method for Nearly Linear-Phase IIR Filters Using Constrained Optimization. IEEE Transactions on Signal Processing, 2013, 61, 895-906. | 5.3 | 42 |
| 6 | 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 |
| 7 | Design of Nonrecursive Digital Filters Using the Ultraspherical Window Function. Eurasip Journal on Advances in Signal Processing, 2005, 2005, 1. | 1.7 | 40 |
| 8 | 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 |
| 9 | Robust Set-Membership Affine-Projection Adaptive-Filtering Algorithm. IEEE Transactions on Signal Processing, 2012, 60, 73-81. | 5.3 | 35 |
| 10 | Cascade-Form Multiplierless FIR Filter Design Using Orthogonal Genetic Algorithm. , 2006, , . | | 30 |
| 11 | Design of IIR Digital Differentiators Using Constrained Optimization. IEEE Transactions on Signal Processing, 2014, 62, 1729-1739. | 5.3 | 30 |
| 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 | 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 |
| 15 | Unconstrained regularized ℓ_1 -norm based algorithm for the reconstruction of sparse signals. , 2011, , . | | 14 |
| 16 | Improved hot-spot location technique for proteins using a bandpass notch digital filter. , 2008, , . | | 10 |
| 17 | Location of exons in DNA sequences using digital filters. , 2009, , . | | 10 |
| 18 | Improved Quasi-Newton Adaptive-Filtering Algorithm. IEEE Transactions on Circuits and Systems I: Regular Papers, 2010, 57, 2109-2118. | 5.4 | 10 |

| # | 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 | Localization of Hot Spots in Proteins Using Digital Filters. , 2006, , . | | 8 |
| 21 | Recovery of sparse signals from noisy measurements using an ℓ_1/ℓ_2 -regularized least-squares algorithm. , 2011, , . | | 7 |
| 22 | 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 |
| 23 | A set-membership nlms algorithm with adaptive error bound. Canadian Conference on Electrical and Computer Engineering, 2008, , . | 0.0 | 6 |
| 24 | Optimized numerical mapping scheme for filter-based exon location in DNA using a quasi-Newton algorithm. , 2010, , . | | 6 |
| 25 | Reconstruction of block-sparse signals by using an ℓ_1/ℓ_2 -regularized least-squares algorithm. , 2012, , . | | 6 |
| 26 | A robust constrained set-membership affine-projection adaptive-filtering algorithm. , 2012, , . | | 6 |
| 27 | New constrained affine-projection adaptive-filtering algorithm. , 2013, , . | | 6 |
| 28 | A Genetic-Algorithm Based Approach for the Design of Delay Equalizers. , 2006, , . | | 5 |
| 29 | A set-membership affine projection algorithm with adaptive error bound. , 2009, , . | | 4 |
| 30 | 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 |
| 31 | A Hybrid Genetic Algorithm for the Design of IIR Digital Filters. , 2007, , . | | 3 |
| 32 | Tuning technique for the location of hot spots in proteins using a bandpass notch digital filter. , 2009, , . | | 3 |
| 33 | On the Roots of Wireless Communications. IEEE Circuits and Systems Magazine, 2011, 11, 14-25. | 2.3 | 3 |
| 34 | A new partial-update NLMS adaptive-filtering algorithm. , 2014, , . | | 3 |
| 35 | VLSI array processors for linear-phase FIR filters. Canadian Journal of Electrical and Computer Engineering, 1995, 20, 73-77. | 2.0 | 2 |
| 36 | A Multiobjective Genetic Algorithm for Asymmetric FIR Filters. , 2007, , . | | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Improved hybrid demosaicing and color super-resolution implementation using quasi-Newton algorithms. , 2009, , . | | 2 |
| 38 | A new normalized minimum-error entropy algorithm with reduced computational complexity. , 2009, , . | | 2 |
| 39 | Storage-efficient quasi-Newton algorithms for image super-resolution. , 2009, , . | | 2 |
| 40 | Robust signal recovery approach for compressive sensing using unconstrained optimization. , 2010, , . | | 2 |
| 41 | Design of nearly linear-phase recursive digital filters by using unconstrained least-pth minimax optimization. , 2010, , . | | 2 |
| 42 | Weighted minimax design of fir QMF banks: Results and comparisons. Canadian Journal of Electrical and Computer Engineering, 1996, 21, 61-66. | 2.0 | 1 |
| 43 | Design of nearly linear-phase recursive digital filters by constrained optimization. , 2009, , . | | 1 |
| 44 | Improved data-selective LMS-Newton adaptation algorithms. , 2009, , . | | 1 |
| 45 | An optimization method for edge-detector parameter tuning based on visual perception. , 2009, , . | | 1 |
| 46 | Signal recovery method for compressive sensing using relaxation and second-order cone programming. , 2011, , . | | 1 |
| 47 | A new algorithm for compressive sensing based on total-variation norm. , 2013, , . | | 1 |
| 48 | A Stochastic Model for DNA Sequences Using Prescribed Nucleotide and Length Distributions. , 2006, , . | | 0 |
| 49 | A Genetic Algorithm for the Design of Tunable Fractional-Delay Allpass IIR Filter Structures. , 2007, , . | | 0 |