

Giovanni L Sicuranza

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8246470/publications.pdf>

Version: 2024-02-01

42
papers

895
citations

516710

16
h-index

501196

28
g-index

45
all docs

45
docs citations

45
times ranked

321
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | A Generalized FLANN Filter for Nonlinear Active Noise Control. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 2412-2417. | 3.2 | 153 |
| 2 | Fourier nonlinear filters. Signal Processing, 2014, 94, 183-194. | 3.7 | 77 |
| 3 | On the BIBO Stability Condition of Adaptive Recursive FLANN Filters With Application to Nonlinear Active Noise Control. IEEE Transactions on Audio Speech and Language Processing, 2012, 20, 234-245. | 3.2 | 73 |
| 4 | Filtered-X Affine Projection Algorithm for Multichannel Active Noise Control Using Second-Order Volterra Filters. IEEE Signal Processing Letters, 2004, 11, 853-857. | 3.6 | 61 |
| 5 | Accuracy and Performance Evaluation in the Genetic Optimization of Nonlinear Systems for Active Noise Control. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 1443-1450. | 4.7 | 43 |
| 6 | Legendre nonlinear filters. Signal Processing, 2015, 109, 84-94. | 3.7 | 40 |
| 7 | Transient and steady-state analysis of filtered-x affine projection algorithms. IEEE Transactions on Signal Processing, 2006, 54, 665-678. | 5.3 | 37 |
| 8 | A study about Chebyshev nonlinear filters. Signal Processing, 2016, 122, 24-32. | 3.7 | 36 |
| 9 | Low-complexity nonlinear adaptive filters for acoustic echo cancellation in GSM handset receivers. European Transactions on Telecommunications, 2003, 14, 161-169. | 1.2 | 31 |
| 10 | Optimal Regularization Parameter of the Multichannel Filtered-X Affine Projection Algorithm. IEEE Transactions on Signal Processing, 2007, 55, 4882-4895. | 5.3 | 25 |
| 11 | Even mirror Fourier nonlinear filters. , 2013, , . | | 21 |
| 12 | Recursive Even Mirror Fourier Nonlinear Filters and Simplified Structures. IEEE Transactions on Signal Processing, 2014, 62, 6534-6544. | 5.3 | 21 |
| 13 | Filtered-X Affine Projection Algorithms for Active Noise Control Using Volterra Filters. Eurasip Journal on Advances in Signal Processing, 2004, 2004, 1. | 1.7 | 20 |
| 14 | Perfect periodic sequences for even mirror Fourier nonlinear filters. Signal Processing, 2014, 104, 80-93. | 3.7 | 20 |
| 15 | Multiple Position Room Response Equalization in Frequency Domain. IEEE Transactions on Audio Speech and Language Processing, 2012, 20, 122-135. | 3.2 | 19 |
| 16 | A multichannel hierarchical approach to adaptive Volterra filters employing filtered-X affine projection algorithms. IEEE Transactions on Signal Processing, 2005, 53, 1463-1473. | 5.3 | 18 |
| 17 | Efficient adaptive identification of linear-in-the-parameters nonlinear filters using periodic input sequences. Signal Processing, 2013, 93, 1210-1220. | 3.7 | 18 |
| 18 | Sufficient stability bounds for slowly varying direct-form recursive linear filters and their applications in adaptive IIR filters. IEEE Transactions on Signal Processing, 1999, 47, 2561-2567. | 5.3 | 17 |

| # | ARTICLE | IF | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | On the Accuracy of Generalized Hammerstein Models for Nonlinear Active Noise Control. , 2006, , . | | 16 |
| 20 | Introducing Legendre nonlinear filters. , 2014, , . | | 15 |
| 21 | On the inversion of certain nonlinear systems. IEEE Signal Processing Letters, 1997, 4, 334-336. | 3.6 | 14 |
| 22 | Adaptive recursive FLANN filters for nonlinear active noise control. , 2011, , . | | 14 |
| 23 | BIBO-Stable Recursive Functional Link Polynomial Filters. IEEE Transactions on Signal Processing, 2017, 65, 1595-1606. | 5.3 | 14 |
| 24 | Perfect periodic sequences for identification of even mirror fourier nonlinear filters. , 2014, , . | | 12 |
| 25 | Nonlinear system identification using quasi-perfect periodic sequences. Signal Processing, 2016, 120, 174-184. | 3.7 | 11 |
| 26 | Equalization of recursive polynomial systems. IEEE Signal Processing Letters, 1999, 6, 312-314. | 3.6 | 9 |
| 27 | Efficient NLMS and RLS algorithms for a class of nonlinear filters using periodic input sequences. , 2011, , . | | 9 |
| 28 | Low-complexity nonlinear adaptive filters for acoustic echo cancellation in GSM handset receivers. European Transactions on Telecommunications, 2003, 14, 161-169. | 1.2 | 7 |
| 29 | Efficient structures for two-dimensional quadratic filters. Photogrammetria, 1989, 43, 157-166. | 0.2 | 6 |
| 30 | Genetic Optimization in Nonlinear Systems for Active Noise Control: Accuracy and Performance Evaluation. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2006, , . | 0.0 | 6 |
| 31 | Analysis of Transient and Steady-State Behavior of a Multichannel Filtered-x Partial-Error Affine Projection Algorithm. Eurasip Journal on Audio, Speech, and Music Processing, 2007, 2007, 1-15. | 2.1 | 6 |
| 32 | Compensation of memoryless nonlinearities for active noise control applications. , 2008, , . | | 4 |
| 33 | A new recursive controller for nonlinear active noise control. , 2013, , . | | 4 |
| 34 | A novel class of BIBO stable recursive nonlinear filters. , 2014, , . | | 4 |
| 35 | A new algebraic description of adaptive Volterra filters. Signal Processing, 2000, 80, 549-552. | 3.7 | 3 |
| 36 | Steady-State and Transient Analysis of Multichannel Filtered-X Affine Projection Algorithms. , 0, , . | | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Nonlinear system identification by means of mixtures of linear-in-the-parameters nonlinear filters. , 2013, , . | | 2 |
| 38 | Unconstrained linear combination of even mirror Fourier non-linear filters. IET Signal Processing, 2014, 8, 612-621. | 1.5 | 2 |
| 39 | Recursive functional link polynomial filters: An introduction. , 2016, , . | | 2 |
| 40 | V-Vector Algebra and Volterra Filters. Advances in Imaging and Electron Physics, 2002, , 1-61. | 0.2 | 1 |
| 41 | Least-square approximation of second-order nonlinear systems using quasi-perfect periodic sequences. , 2015, , . | | 1 |
| 42 | On the Accuracy of Generalized Hammerstein Models for Nonlinear Active Noise Control. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2006, , . | 0.0 | 0 |