Giovanni L Sicuranza

List of Publications by Year
in descending order

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	BIBO-Stable Recursive Functional Link Polynomial Filters. IEEE Transactions on Signal Processing, 2017, 65, 1595-1606.	5.3	14
2	Recursive functional link polynomial filters: An introduction. , 2016, , .		2
3	Nonlinear system identification using quasi-perfect periodic sequences. Signal Processing, 2016, 120, 174-184.	3.7	11
4	A study about Chebyshev nonlinear filters. Signal Processing, 2016, 122, 24-32.	3.7	36
5	Least-square approximation of second-order nonlinear systems using quasi-perfect periodic sequences. , 2015, , .		1
6	Legendre nonlinear filters. Signal Processing, 2015, 109, 84-94.	3.7	40
7	A novel class of BIBO stable recursive nonlinear filters. , 2014, , .		4
8	Recursive Even Mirror Fourier Nonlinear Filters and Simplified Structures. IEEE Transactions on Signal Processing, 2014, 62, 6534-6544.	5.3	21
9	Unconstrained linear combination of even mirror Fourier nonlinear filters. IET Signal Processing, 2014, 8, 612-621.	1.5	2
10	Introducing Legendre nonlinear filters. , 2014, , .		15
11	Perfect periodic sequences for identification of even mirror fourier nonlinear filters. , 2014, , .		12
12	Fourier nonlinear filters. Signal Processing, 2014, 94, 183-194.	3.7	77
13	Perfect periodic sequences for even mirror Fourier nonlinear filters. Signal Processing, 2014, 104, 80-93.	3.7	20
14	Nonlinear system identification by means of mixtures of linear-in-the-parameters nonlinear filters. , 2013, , .		2
15	A new recursive controller for nonlinear active noise control. , 2013, , .		4
16	Efficient adaptive identification of linear-in-the-parameters nonlinear filters using periodic input sequences. Signal Processing, 2013, 93, 1210-1220.	3.7	18
17	Even mirror Fourier nonlinear filters. , 2013, , .		21
18	Multiple Position Room Response Equalization in Frequency Domain. IEEE Transactions on Audio Speech and Language Processing, 2012, 20, 122-135.	3.2	19

#	Article	IF	Citations
19	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
20	A Generalized FLANN Filter for Nonlinear Active Noise Control. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 2412-2417.	3.2	153
21	Adaptive recursive FLANN filters for nonlinear active noise control. , 2011, , .		14
22	Efficient NLMS and RLS algorithms for a class of nonlinear filters using periodic input sequences. , 2011, , .		9
23	Compensation of memoryless nonlinearities for active noise control applications. , 2008, , .		4
24	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
25	Optimal Regularization Parameter of the Multichannel Filtered-x Affine Projection Algorithm. IEEE Transactions on Signal Processing, 2007, 55, 4882-4895.	5.3	25
26	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
27	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
28	On the Accuracy of Generalized Hammerstein Models for Nonlinear Active Noise Control. , 2006, , .		16
29	Transient and steady-state analysis of filtered-x affine projection algorithms. IEEE Transactions on Signal Processing, 2006, 54, 665-678.	5.3	37
30	On the Accuracy of Generalized Hammerstein Models for Nonlinear Active Noise Control. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2006, , .	0.0	0
31	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
32	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
33	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
34	Low-complexity nonlinear adaptive filters for acoustic echo cancellation in GSM handset receivers. European Transactions on Telecommunications, 2003, 14, 161-169.	1.2	7
35	Low-complexity nonlinear adaptive filters for acoustic echo cancellation in GSM handset receivers. European Transactions on Telecommunications, 2003, 14, 161-169.	1.2	31
36	V-Vector Algebra and Volterra Filters. Advances in Imaging and Electron Physics, 2002, , 1-61.	0.2	1

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37	A new algebraic description of adaptive Volterra filters. Signal Processing, 2000, 80, 549-552.	3.7	3
38	Equalization of recursive polynomial systems. IEEE Signal Processing Letters, 1999, 6, 312-314.	3.6	9
39	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
40	On the inversion of certain nonlinear systems. IEEE Signal Processing Letters, 1997, 4, 334-336.	3.6	14
41	Efficient structures for two-dimensional quadratic filters. Photogrammetria, 1989, 43, 157-166.	0.2	6
42	Steady-State and Transient Analysis of Multichannel Filtered-X Affine Projection Algorithms. , 0, , .		3