Paulo S R Diniz

List of Publications by Year
in descending order

325 papers	3,781 citations	257101 24 h-index	264894 42 g-index
349 all docs	349 docs citations	349 times ranked	1708 citing authors

#	Article	IF	Citations
1	Efficient Design of Scaled Rectangular (Saramäki) Window. IEEE Signal Processing Letters, 2022, 29, 489-492.	2.1	3
2	Set-Membership Constrained Frequency-Domain Algorithm. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 797-801.	2.2	5
3	Data Selection in Neural Networks. IEEE Open Journal of Signal Processing, 2021, 2, 522-534.	2.3	4
4	Blind Carrier Frequency Offset Estimation for OFDM using Efficient Combinations of Esprit and Music. , 2021, , .		0
5	Zero-Padding OFDM Receiver Using Machine Learning. , 2021, , .		0
6	Fast Convergence Method for Scaling Window Sidelobe Magnitude. IEEE Signal Processing Letters, 2021, 28, 2078-2081.	2.1	7
7	A Method for Scaling Window Sidelobe Magnitude. IEEE Signal Processing Letters, 2021, 28, 1056-1059.	2.1	8
8	Data Selective Deep Neural Networks For Image Classification. , 2021, , .		1
9	Adaptive Filtering. , 2020, , .		39
10	Antenna Selection in Massive MIMO Based on Greedy Algorithms. IEEE Transactions on Wireless Communications, 2020, 19, 1868-1881.	6.1	31
11	Data Selection Kernel Conjugate Gradient Algorithm. , 2020, , .		2
12	Feature Adaptive Filtering: Exploiting Hidden Sparsity. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 2358-2371.	3.5	16
13	Introduction to Adaptive Filtering. , 2020, , 1-8.		2
14	Kalman Filters. , 2020, , 431-456.		1
15	Improved simple set‐membership affine projection algorithm for sparse system modelling: Analysis and implementation. IET Signal Processing, 2020, 14, 81-88.	0.9	10
16	Set-Membership Adaptive Filtering. , 2020, , 189-229.		1
17	Adaptive IIR Filters. , 2020, , 307-346.		0
18	Fundamentals of Adaptive Filtering. , 2020, , 9-60.		1

#	Article	IF	Citations
19	Subband Adaptive Filters. , 2020, , 371-406.		0
20	Convex Combination of Constraint Vectors for Set-membership Affine Projection Algorithms. , 2019, , .		2
21	Low-Complexity Feature Stochastic Gradient Algorithm for Block-Lowpass Systems. IEEE Access, 2019, 7, 141587-141593.	2.6	7
22	On Fast Converging Data-Selective Adaptive Filtering. Algorithms, 2019, 12, 4.	1.2	9
23	Data-selective LMS-Newton and LMS-Quasi-Newton Algorithms. , 2019, , .		8
24	Achievable Data Rate of DCT-Based Multicarrier Modulation Systems. IEEE Transactions on Wireless Communications, 2019, 18, 1739-1749.	6.1	4
25	Feature LMS Algorithm for Bandpass System Models. , 2019, , .		4
26	Intersymbol and Intercarrier Interference in OFDM Transmissions Through Highly Dispersive Channels. , 2019, , .		6
27	A Simple Sparsity-aware Feature LMS Algorithm. , 2019, , .		2
28	Improving KPCA Online Extraction by Orthonormalization in the Feature Space. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1382-1387.	7.2	6
29	l<inf>0</inf>-NORM FEATURE LMS ALGORITHMS. , 2018, , .		7
30	Data-Selective Conjugate Gradient Algorithm. , 2018, , .		2
31	Feature LMS Algorithms. , 2018, , .		11
32	On Data-Selective Adaptive Filtering. IEEE Transactions on Signal Processing, 2018, 66, 4239-4252.	3.2	40
33	New Trinion and Quaternion Set-Membership Affine Projection Algorithms. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 216-220.	2.2	16
34	Optimal constraint vectors for set-membership affine projection algorithms. Signal Processing, 2017, 134, 285-294.	2.1	17
35	Recursive Least-Squares algorithms for sparse system modeling. , 2017, , .		17
36	A recursive least square algorithm for online kernel principal component extraction. Neurocomputing, 2017, 237, 255-264.	3.5	1

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37	A Fixed-Point Online Kernel Principal Component Extraction Algorithm. IEEE Transactions on Signal Processing, 2017, 65, 6244-6259.	3.2	14
38	Data censoring with set-membership algorithms. , 2017, , .		3
39	Performance evaluation of adaptive filters for sparse wireless channel estimation. , 2017, , .		2
40	Implementation Issues of Adaptive Energy Detection in Heterogeneous Wireless Networks. Sensors, 2017, 17, 932.	2.1	1
41	On the robustness of set-membership adaptive filtering algorithms. Eurasip Journal on Advances in Signal Processing, 2017, 2017, .	1.0	23
42	On the robustness of the set-membership NLMS algorithm. , 2016, , .		5
43	Improved set-membership partial-update pseudo affine projection algorithm. , 2016, , .		3
44	Low-complexity proportionate algorithms with sparsity-promoting penalties. , 2016, , .		6
45	A simple set-membership affine projection algorithm for sparse system modeling. , 2016, , .		18
46	Improved set-membership partial-update affine projection algorithm. , 2016, , .		7
47	Low-complexity DoA estimation based on Hermitian EVDs. , 2016, , .		2
48	Doppler effects on transceivers with reduced redundancy. , 2015, , .		1
49	Modified Sparsity-aware Set-Membership Affine Projection algorithm. , 2015, , .		0
50	Energy Detection Technique for Adaptive Spectrum Sensing. IEEE Transactions on Communications, 2015, 63, 617-627.	4.9	108
51	Sparsity-Aware Data-Selective Adaptive Filters. IEEE Transactions on Signal Processing, 2014, 62, 4557-4572.	3.2	78
52	Introduction to Signal Processing Theory. Academic Press Library in Signal Processing, 2014, , 3-28.	0.8	1
53	Stability and MSE analyses of affine projection algorithms for sparse system identification. , 2014, , .		13
54	FIR Filter Design Based on Successive Approximation of Vectors. IEEE Transactions on Signal Processing, 2014, 62, 3833-3848.	3.2	12

#	Article	IF	Citations
55	The Compression of Electric Signal Waveforms for Smart Grids: State of the Art and Future Trends. IEEE Transactions on Smart Grid, 2014, 5, 291-302.	6.2	119
56	Steady-State MSE Performance of the Set-Membership Affine Projection Algorithm. Circuits, Systems, and Signal Processing, 2013, 32, 1811-1837.	1.2	33
57	Adaptive Filtering. , 2013, , .		214
58	Adaptive Pilot-Symbol Patterns for MIMO OFDM Systems. IEEE Transactions on Wireless Communications, 2013, 12, 4705-4715.	6.1	61
59	Design requirements of adaptive pilot-symbol patterns. , 2013, , .		5
60	Blind Adaptive Interference Suppression Based on Set-Membership Constrained Constant-Modulus Algorithms With Dynamic Bounds. IEEE Transactions on Signal Processing, 2013, 61, 1288-1301.	3.2	19
61	Fundamentals of Adaptive Filtering. , 2013, , 13-78.		3
62	Affine projection algorithms for sparse system identification. , 2013, , .		37
63	New insights in optimal pilot symbol patterns for OFDM systems. , 2013, , .		6
64	The Least-Mean-Square (LMS) Algorithm. , 2013, , 79-135.		2
65	Blind Adaptive Filtering. , 2013, , 551-583.		0
66	Subband Adaptive Filters. , 2013, , 501-549.		0
67	Data-Selective Adaptive Filtering. , 2013, , 249-304.		0
68	Quantization Effects in the RLS Algorithm. , 2013, , 605-621.		0
69	Introduction to Adaptive Filtering. , 2013, , 1-11.		0
70	Modelagem Tensorial Para Estimação de Parâmetros em Arranjos L-shape de Antenas Vetoriais. , 2013, , .		0
71	Nonlinear Adaptive Filtering. , 2013, , 467-499.		3
72	LMS-Based Algorithms. , 2013, , 137-207.		2

#	Article	IF	Citations
73	Quantization Effects in the LMS Algorithm. , 2013, , 591-603.		0
74	Conventional RLS Adaptive Filter. , 2013, , 209-247.		4
75	Adaptive IIR Filters. , 2013, , 411-466.		2
76	Kalman Filters. , 2013, , 623-634.		1
77	LTI Transceivers With Reduced Redundancy. IEEE Transactions on Signal Processing, 2012, 60, 766-780.	3.2	10
78	Power Efficient Pilot Symbol Power Allocation under Time-Variant Channels. , 2012, , .		5
79	DHT-Based Transceivers With Reduced Redundancy. IEEE Transactions on Signal Processing, 2012, 60, 6080-6085.	3.2	3
80	Open-source physical-layer simulator for LTE systems. , 2012, , .		6
81	Direction-of-Arrival Estimation using a Low-Complexity Covariance-Based Approach. IEEE Transactions on Aerospace and Electronic Systems, 2012, 48, 1924-1934.	2.6	10
82	Inter-Carrier Interference mitigation by means of precoding. , 2012, , .		0
83	Block Transceivers: OFDM and Beyond. Synthesis Lectures on Communications, 2012, 5, 1-206.	0.5	7
84	Recursive Algorithms for Bias and Gain Nonuniformity Correction in Infrared Videos. IEEE Transactions on Image Processing, 2012, 21, 4758-4769.	6.0	27
85	How far can one compress digital fault records? Analysis of a matching pursuit-based algorithm. , 2012, 22, 288-297.		7
86	Convergence Performance of the Simplified Set-Membership Affine Projection Algorithm. Circuits, Systems, and Signal Processing, 2011, 30, 439-462.	1.2	27
87	Direction-of-Arrival Estimation using a Direct-Data Approach. IEEE Transactions on Aerospace and Electronic Systems, 2011, 47, 728-733.	2.6	6
88	Memoryless block transceivers with minimum redundancy based on Hartley transforms. Signal Processing, 2011, 91, 240-251.	2.1	11
89	Analysis of Zero-Padded Optimal Transceivers. IEEE Transactions on Signal Processing, 2011, 59, 5443-5457.	3.2	4
90	A Unitary ESPRIT algorithm for carrier frequency offset estimation. , 2011, , .		1

#	Article	IF	Citations
91	Successive approximation FIR filter design. , 2011, , .		0
92	On the normalized minimum error-entropy adaptive algorithm: Cost function and update recursion. , 2010, , .		3
93	On the statistics of matching pursuit angles. Signal Processing, 2010, 90, 3164-3184.	2.1	10
94	Suboptimal Linear MMSE Equalizers With Minimum Redundancy. IEEE Signal Processing Letters, 2010, 17, 387-390.	2.1	12
95	Pilot-aided designs of memoryless block equalizers with minimum redundancy. , 2010, , .		5
96	Block-Based Transceivers With Minimum Redundancy. IEEE Transactions on Signal Processing, 2010, 58, 1321-1333.	3.2	23
97	Steady-state analysis of the set-membership affine projection algorithm. , 2010, , .		14
98	On the steady-state MSE performance of the set-membership NLMS algorithm. , 2010, , .		5
99	Combating noise gains in high-throughput block transceivers using CSI at the transmitter. , 2010, , .		3
100	Set-Membership Adaptive Algorithms Based on Time-Varying Error Bounds for CDMA Interference Suppression. IEEE Transactions on Vehicular Technology, 2009, 58, 644-654.	3.9	60
101	Time-Varying FIR Transmultiplexers With Minimum Redundancy. IEEE Transactions on Signal Processing, 2009, 57, 1113-1127.	3.2	12
102	Region 9: generating motivation among students and faculty. IEEE Circuits and Systems Magazine, 2009, 9, 38-39.	2.6	4
103	Data selective partial-update affine projection algorithm. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	6
104	Semi-blind data-selective algorithms for channel equalization. , 2008, , .		4
105	The Least-Mean-Square (LMS) Algorithm. , 2008, , 1-54.		3
106	Beamspace covariance-based DoA estimation. , 2008, , .		3
107	Covariance-Based Direction-of-Arrival Estimation With Real Structures. IEEE Signal Processing Letters, 2008, 15, 757-760.	2.1	7
108	Semi-blind data-selective equalizers for QAM. , 2008, , .		4

#	Article	IF	Citations
109	Low complexity blind estimation of the carrier frequency offset in multicarrier systems. , 2008, , .		2
110	Adaptive Filtering. , 2008, , .		286
111	Qr-Decomposition-Based Rls Filters. , 2008, , 1-43.		0
112	Conventional Rls Adaptive Filter. , 2008, , 1-36.		0
113	Subband Adaptive Filters. , 2008, , 1-51.		0
114	Adaptive Iir Filters. , 2008, , 1-55.		0
115	Fundamentals of Adaptive Filtering. , 2008, , 1-63.		1
116	Fast Transversal Rls Algorithms. , 2008, , 1-17.		0
117	Lms-Based Algorithms. , 2008, , 1-63.		0
118	Blind Adaptive Filtering. , 2008, , 1-33.		2
119	Nonlinear Adaptive Filtering. , 2008, , 1-34.		1
120	Data-Selective Adaptive Filtering. , 2008, , 1-57.		3
121	Optimum Rate-Distortion Dictionary Selection for Compression of Atomic Decompositions of Electric Disturbance Signals. IEEE Signal Processing Letters, 2007, 14, 81-84.	2.1	19
122	Set-Membership Proportionate Affine Projection Algorithms. Eurasip Journal on Audio, Speech, and Music Processing, 2007, 2007, 1-10.	1.3	40
123	Modeling of Electric Disturbance Signals Using Damped Sinusoids via Atomic Decompositions and Its Applications. Eurasip Journal on Advances in Signal Processing, 2007, 2007, .	1.0	15
124	HRTF Interpolation Through Direct Angular Parameterization. , 2007, , .		5
125	Redundant Paraunitary FIR Transceivers for Single-Carrier Transmission Over Frequency Selective Channels With Colored Noise. IEEE Transactions on Communications, 2007, 55, 1125-1130.	4.9	2
126	Seismic wavelets and earth's impulse response amplitude and phase recovery using second€order statistics or deterministic methods. , 2007, , .		0

#	Article	IF	Citations
127	Seismic wavelets and earth's impulse response amplitude and phase recovery using second order statistics or deterministic methods. , 2007, , .		0
128	Jointly Optimized Modulated-Transmitter and Receiver FIR MIMO Filters. , 2006, , .		0
129	A Generalized Oversampled Structure for Cosine-Modulated Transmultiplexers and Filter Banks. Circuits, Systems, and Signal Processing, 2006, 25, 131-151.	1.2	5
130	An efficient Lloyd-Max quantizer for Matching Pursuit decompositions. , 2006, , .		0
131	Advanced downlink receivers for GERAN. , 2006, , .		5
132	Set-membership adaptive algorithms based on time-varying error bounds and their application to interference suppression. , 2006, , .		1
133	Compression of atomic decompositions using R-D optimum dictionary selection. , 2006, , .		0
134	Set-membership adaptive algorithms based on time-varying error bounds and their application to interference suppression. , 2006, , .		5
135	On the Design of Cosine-Modulated Filter Banks Using Recurrent Frequency-Response Masking. , 2006, , .		1
136	Digital Filters. , 2005, , 839-860.		1
137	Efficient coherent adaptive representations of monitored electric signals in power systems using damped sinusoids. IEEE Transactions on Signal Processing, 2005, 53, 3831-3846.	3.2	36
138	Minimum BER prefilter transform for communications systems with binary signaling and known FIR MIMO channel. IEEE Signal Processing Letters, 2005, 12, 234-237.	2.1	16
139	Jointly optimized transmitter and receiver FIR MIMO filters in the presence of near-end crosstalk. IEEE Transactions on Signal Processing, 2005, 53, 346-359.	3.2	6
140	Low-complexity constrained affine-projection algorithms. IEEE Transactions on Signal Processing, 2005, 53, 4545-4555.	3.2	56
141	Numerically efficient optimal design of cosine-modulated filter banks with peak-constrained least-squares behavior. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2005, 52, 597-608.	0.1	26
142	On the design of high-complexity cosine-modulated transmultiplexers based on the frequency-response masking approach. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2005, 52, 2413-2426.	0.1	31
143	Jointly Minimum BER Transmitter and Receiver FIR MIMO Filters for Binary Signal Vectors. IEEE Transactions on Signal Processing, 2004, 52, 1021-1036.	3.2	20
144	Partial-Update NLMS Algorithms with Data-Selective Updating. IEEE Transactions on Signal Processing, 2004, 52, 938-949.	3.2	90

#	Article	IF	Citations
145	Design of High-Resolution Cosine-Modulated Transmultiplexers with Sharp Transition Band. IEEE Transactions on Signal Processing, 2004, 52, 1278-1288.	3.2	33
146	Performance and area modeling of complete FPGA designs in the presence of loop transformations. IEEE Transactions on Computers, 2004, 53, 1420-1435.	2.4	22
147	Optimization Of FRM Filters Using The WLSâ€"Chebyshev Approach. Circuits, Systems, and Signal Processing, 2003, 22, 99-113.	1.2	13
148	Optimized Prototype Filter Based on the FRM Approach for Cosine-Modulated Filter Banks. Circuits, Systems, and Signal Processing, 2003, 22, 193-210.	1.2	20
149	Fast QR Algorithms Based on Backward Prediction Errors: A New Implementation and Its Finite Precision Performance. Circuits, Systems, and Signal Processing, 2003, 22, 335-349.	1.2	7
150	Set-membership binormalized data-reusing LMS algorithms. IEEE Transactions on Signal Processing, 2003, 51, 124-134.	3.2	92
151	Symmetric eigenfilters for partial shortening in ADSL DMT transceivers. , 2003, , .		0
152	EFFICIENT DESIGN OF NARROWBAND COSINE-MODULATED FILTER BANKS USING A TWO-STAGE FREQUENCY-RESPONSE MASKING APPROACH. Journal of Circuits, Systems and Computers, 2003, 12, 631-642.	1.0	7
153	Set-membership binormalized data-reusing lms algorithms. IEEE Transactions on Signal Processing, 2003, 51, 124-134.	3.2	62
154	Using inter-positional Transfer Functions in 3D-sound. , 2002, , .		4
155	Partial-update NLMS algorithms with data-selective updating. , 2002, , .		2
156	FIR equalizers with minimum redundancy. , 2002, , .		10
157	Design of High-Performance Wavelets for Image Coding Using a Perceptual Time Domain Criterion. Circuits, Systems, and Signal Processing, 2002, 21, 225-242.	1.2	0
158	The Least-Mean-Square (LMS) Algorithm. Kluwer International Series in Engineering and Computer Science, 2002, , 79-138.	0.2	2
159	Quantization Effects in the LMS and RLS Algorithms. Kluwer International Series in Engineering and Computer Science, 2002, , 527-558.	0.2	0
160	Partial-update NLMS algorithms with data-selective updating. , 2002, , .		0
161	Conventional RLS Adaptive Filter. Kluwer International Series in Engineering and Computer Science, 2002, , 195-233.	0.2	0
162	Subband Adaptive Filters. Kluwer International Series in Engineering and Computer Science, 2002, , 467-526.	0.2	0

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163	Introduction to Adaptive Filtering. Kluwer International Series in Engineering and Computer Science, 2002, , 1-14.	0.2	0
164	Adaptive IIR Filters. Kluwer International Series in Engineering and Computer Science, 2002, , 361-422.	0.2	0
165	FIR equalizers with minimum redundancy. , 2002, , .		2
166	Using inter-positional transfer functions in 3D-sound. , 2002, , .		2
167	Adaptive Lattice-Based RLS Algorithms. Kluwer International Series in Engineering and Computer Science, 2002, , 235-286.	0.2	0
168	Nonlinear Adaptive Filtering. Kluwer International Series in Engineering and Computer Science, 2002, , 423-465.	0.2	0
169	Set-membership affine projection algorithm. IEEE Signal Processing Letters, 2001, 8, 231-235.	2.1	168
170	Filtered gradient algorithms applied to a subband adaptive filter structure. , 2001, , .		7
171	Set-Membership Binormalized Data-Reusing Algorithms. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 869-874.	0.4	2
172	On orthogonal realizations for adaptive IIR filters. International Journal of Circuit Theory and Applications, 2000, 28, 481-500.	1.3	15
173	Convergence analysis of the binormalized data-reusing LMS algorithm. IEEE Transactions on Signal Processing, 2000, 48, 3235-3242.	3.2	75
174	New structures for adaptive filtering in subbands with critical sampling. IEEE Transactions on Signal Processing, 2000, 48, 3316-3327.	3.2	76
175	ON WLS-CHEBYSHEV FIR DIGITAL FILTERS. Journal of Circuits, Systems and Computers, 1999, 09, 155-168.	1.0	14
176	A new delayless subband adaptive filter structure. IEEE Transactions on Signal Processing, 1999, 47, 1580-1591.	3.2	46
177	New adaptive algorithms based on multi-band decomposition of the error signal. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1998, 45, 592-599.	2.3	7
178	Design of wavelets with optimal correction of ringing effect. Electronics Letters, 1998, 34, 447.	0.5	0
179	Design of wavelets for image compression satisfying perceptual criteria. Electronics Letters, 1997, 33, 40.	0.5	5
180	Adaptive Filtering. , 1997, , .		164

#	Article	IF	Citations
181	A new fast QR algorithm based on a priori errors. IEEE Signal Processing Letters, 1997, 4, 307-309.	2.1	24
182	New adaptive IIR filtering algorithms based on the Steiglitz-McBride method. IEEE Transactions on Signal Processing, 1997, 45, 1367-1371.	3.2	14
183	A general consistent equation-error algorithm for adaptive IIR filtering. Signal Processing, 1997, 56, 121-134.	2.1	15
184	The Least-Mean-Square (LMS) Algorithm. , 1997, , 71-131.		4
185	Conventional RLS Adaptive Filter. , 1997, , 183-236.		0
186	Fundamentals of Adaptive Filtering. , 1997, , 15-69.		0
187	Fast Transversal RLS Algorithms. , 1997, , 289-309.		1
188	QR-Decomposition-Based RLS Filters. , 1997, , 311-376.		0
189	LMS-Based Algorithms. , 1997, , 133-181.		0
190	Adaptive Lattice-Based RLS Algorithms. , 1997, , 237-287.		0
191	Introduction to Adaptive Filtering. , 1997, , 1-14.		0
192	Simulation of Nonlinear and Switching Elements for Transient Analysis Based on Wave Digital Filters. IEEE Power Engineering Review, 1996, 16, 72-72.	0.1	4
193	Simulation of non-linear and switching elements for transient analysis based on wave digital filters. IEEE Transactions on Power Delivery, 1996, 11, 2042-2048.	2.9	6
194	Power system simulation based on wave digital filters. IEEE Transactions on Power Delivery, 1996, 11, 1098-1104.	2.9	6
195	Adaptive IIR filtering algorithms for system identification: a general framework. IEEE Transactions on Education, 1995, 38, 54-66.	2.0	49
196	A modular distributed-arithmetic implementation of the inner product and its application to digital filters. Journal of Signal Processing Systems, 1995, 10, 93-106.	1.0	0
197	Fixed-point error analysis of the QR-recursive least square algorithm. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1995, 42, 334-348.	2.3	17
198	Analysis of LMS-Newton adaptive filtering algorithms with variable convergence factor. IEEE Transactions on Signal Processing, 1995, 43, 617-627.	3.2	47

#	Article	IF	Citations
199	Real-time digital power system simulation based on wave digital filters for protective relays and HV. , 1995, , .		0
200	Fast parallel realization of IIR adaptive filters. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1994, 41, 561-567.	2.3	9
201	Performance of LMS-Newton adaptation algorithms with variable convergence factor in nonstationary environments. , 1993, , .		6
202	Improved parallel realisation of IIR adaptive filters. IEE Proceedings, Part G: Circuits, Devices and Systems, 1993, 140, 322.	0.2	10
203	Composite algorithms for adaptive IIR filtering. Electronics Letters, 1992, 28, 886.	0.5	12
204	Elimination of zero-input and constant-input limit cycles in single-quantizer recursive filter structures. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1992, 39, 638-646.	2.3	8
205	Optimal variable step size for the LMS/Newton algorithm with application to subband adaptive filtering. IEEE Transactions on Signal Processing, 1992, 40, 2825-2829.	3.2	25
206	Synthesis of symmetric and nonsymmetric lattice digital filters which are free of constant-input limit cycles. IEEE Transactions on Signal Processing, 1991, 39, 971-975.	3.2	2
207	General criterion for the absence of limit cycles in filter structures with a single quantizer. , 1991, , .		2
208	Optimal convergence factor for the LMS/Newton algorithm. , 1991, , .		2
209	FIR filters using interpolated prefilters and equalizers. IEEE Transactions on Circuits and Systems, 1990, 37, 17-23.	0.9	22
210	Tridiagonal state-space digital-filter structures. IEEE Transactions on Circuits and Systems, 1990, 37, 818-824.	0.9	1
211	Elimination of constant-input limit cycles in passive lattice digital filters. IEEE Transactions on Circuits and Systems, 1988, 35, 1188-1190.	0.9	3
212	Digital-filter structures based on the concept of the voltage-conversion generalized-immittance converter. Canadian Journal of Electrical and Computer Engineering, 1988, 13, 90-98.	1.5	12
213	More economical state-space digital-filter structures which are free of constant-input limit cycles. IEEE Transactions on Acoustics, Speech, and Signal Processing, 1986, 34, 807-815.	2.0	25
214	Low-sensitivity digital-filter structures which are amenable to error-spectrum shaping. IEEE Transactions on Circuits and Systems, 1985, 32, 1000-1007.	0.9	15
215	On the elimination of constant-input limit cycles in digital filters. IEEE Transactions on Circuits and Systems, 1984, 31, 670-671.	0.9	13
216	Active compensation of positive feedback amplifiers for applications in filters. International Journal of Electronics, 1983, 54, 695-699.	0.9	0

#	ARTICLE	IF	CITATIONS
217	A new high performance voltage controlled voltage source. International Journal of Electronics, 1982, 53, 349-352.	0.9	0
218	Zero pole sensitivity active filters. International Journal of Electronics, 1982, 53, 341-348.	0.9	3
219	Colored input-signal analysis of normalized data-reusing LMS algorithms. , 0, , .		2
220	A switched-current slice of cells for adaptive filters. , 0, , .		1
221	ARMA processes in sub-bands with application to audio restoration. , 0, , .		3
222	Design of FIR filters combining the frequency-response masking and the WLS-Chebyshev approaches. , 0, , .		9
223	A procedure for efficient FIR filter design using prefilters. , 0, , .		3
224	Tridiagonal state-space digital-filter structures. , 0, , .		0
225	Synthesis of passive lattice digital filters which are free of constant-input limit cycles. , 0, , .		1
226	Design of FIR equalizers by sharpening identical subfilters. , 0, , .		2
227	On symmetric lattice digital-filter synthesis. , 0, , .		1
228	Optimal convergence factor for Gauss-Newton algorithms and its application to an adaptive parallel realization. , 0, , .		2
229	Alternative parallel realization for adaptive IIR filters. , 0, , .		4
230	A modular distributed arithmetic implementation of inner product including quantization. , 0, , .		0
231	Systolic structures for second-order recursive filters. , 0, , .		0
232	Reformulation of Chang's criterion for the absence of limit cycles using bilinear transform. , 0, , .		2
233	Fast adaptive IIR parallel realization. , 0, , .		1
234	Computer aided design of optimal cascade active filters. , 0, , .		0

#	Article	IF	Citations
235	Stability analysis of the QR-recursive least squares algorithm. , 0, , .		4
236	A finite wordlength analysis of an LMS-Newton adaptive filtering algorithm. , 0, , .		0
237	Infinite precision analysis of the QR-recursive least squares algorithm. , 0, , .		2
238	A consistent Steiglitz-McBride algorithm. , 0, , .		5
239	A Consistent Steiglitz-McBride Algorithm. , 0, , .		4
240	Infinite precision analysis of the QR-recursive least squares algorithm. , 0, , .		1
241	On optimal convergence factor for IIR adaptive filters. , 0, , .		2
242	Infinite precision analysis of the fast QR decomposition RLS algorithm. , 0, , .		5
243	A family of equation-error based IIR adaptive algorithms. , 0, , .		1
244	Finite precision analysis of the conventional QR decomposition RLS algorithm. , 0, , .		1
245	Analysis of the QR-RLS algorithm for colored-input signals. , 0, , .		1
246	A family of consistent Steiglitz-McBride algorithms for IIR adaptive filtering. , 0, , .		0
247	Finite precision analysis of the fast QRD-RLS lattice algorithm. , 0, , .		3
248	On orthogonal parallel realization for adaptive IIR filters. , 0, , .		3
249	On the behavior of the Steiglitz-McBride method for insufficient-order identification. , 0, , .		0
250	On DSP implementation of adaptive IIR filters. , 0, , .		0
251	A family of wavelets for image compression satisfying perceptual criteria. , 0, , .		3
252	Design of high performance wavelets for image coding. , 0, , .		0

#	Article	IF	Citations
253	New switched-current cells for adaptive filters. , 0, , .		2
254	A delayless alias-free subband adaptive filter structure. , 0, , .		7
255	Multi-band decomposition of the linear prediction error applied to the least-mean-square method with fixed and variable step-sizes. , 0, , .		1
256	Adaptive AR spectral estimation based on multi-band decomposition of the linear prediction error with variable forgetting factors. , 0, , .		2
257	RLS algorithm for a new subband adaptive structure with critical sampling. , 0, , .		0
258	Peak-constrained least-squares design of IIR digital filters. , 0, , .		1
259	An orthogonal adaptive IIR realization for efficient MSOE optimization. , 0, , .		1
260	Teaching circuits, systems, and signal processing. , 0, , .		1
261	Analysis of a delayless subband adaptive filter structure. , 0, , .		3
262	Minimizing ringing effect on images coded at low bit rates with wavelets. , 0, , .		0
263	A new delayless subband adaptive filter structure. , 0, , .		1
264	Peak-constrained design of nonrecursive digital filters with low passband/stopband energy ratio. , 0, , .		3
265	Designing peak-constrained arbitrary-phase FIR digital filters with low passband-to-stopband energy ratio. , 0, , .		1
266	Mean-squared error analysis of the binormalized data-reusing LMS algorithm using a discrete-angular-distribution model for the input signal. , 0, , .		2
267	Convergence analysis of a new subband adaptive structure with critical sampling. , 0, , .		1
268	On WLS-Chebyshev IIR digital filters. , 0, , .		5
269	On normalized data-reusing and affine-projections algorithms. , 0, , .		7
270	Performance of adaptation algorithms in multipath channel equalization for CDMA systems. , 0, , .		0

#	ARTICLE	IF	CITATIONS
271	A model for an ARMA process split in sub-bands. , 0, , .		3
272	On the effects of zero-pole pairs and individual zeros and poles on discrete-time transfer functions. , 0, , .		2
273	Convergence analysis of an oversampled subband adaptive filtering structure with local errors. , 0, , .		0
274	Convergence analysis of an oversampled subband adaptive filtering structure using global error. , 0, , .		0
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280	Adaptive filter implementation using switched-current technique. , 0, , .		0
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283	Efficient implementation for cosine-modulated filter banks using the frequency response masking approach. , 0, , .		2
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285	FIR filter approximations. , 0, , 188-253.		0
286	Discrete-time systems. , 0, , 5-35.		0
287	The z and Fourier transforms. , 0, , 36-84.		1
288	Discrete transforms. , 0, , 85-147.		0

#	Article	IF	Citations
289	Digital filters. , 0, , 148-187.		0
290	IIR filter approximations. , 0, , 254-309.		0
291	Finite-precision effects. , 0, , 310-353.		1
292	Multirate systems. , 0, , 354-374.		0
293	Filter banks and wavelets. , 0, , 375-452.		0
294	Efficient FIR structures. , 0, , 453-490.		0
295	Efficient IIR structures. , 0, , 491-558.		0
296	Implementation of DSP systems. , 0, , 559-593.		0
297	A new procedure for the optimized design of CMFBs based on the frequency-response masking technique. , 0, , .		1
298	Optimization techniques for cosine-modulated filter banks based on the frequency-response masking approach. , 0, , .		3
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303	Jointly minimum MSE transmitter and receiver FIR MIMO filters in the presence of near-end crosstalk and additive noise. , 0, , .		5
304	Time-domain constraints for the design of FRM-based cosine-modulated and modified DFT filter banks with a large number of bands and zero intersymbol interference. , 0, , .		2
305	Zero-forcing equalization for time-varying systems with memory. , 0, , .		4
306	On a Modified Structure for Cosine-Modulated Filter Banks using the Frequency-Response Masking Approach. , 0, , .		2

#	Article	IF	Citations
307	On the Time-Frequency Content of Weyl-Heisenberg Frames Generated from Odd and Even Functions. , 0, , .		0
308	Set-membership affine projection algorithm with variable data-reuse factor. , 0, , .		18
309	Set-membership affine projection algorithm for echo cancellation. , 0, , .		9
310	Blind Constrained Set-Membership Algorithms with Time- Varying Bounds for CDMA Interference Suppression. , 0, , .		2
311	Set-membership adaptive algorithms based on time-varying error bounds for DS-CDMA systems. , 0, , .		3
312	Discrete-time signals and systems. , 0, , 5-74.		1
313	The z and Fourier transforms. , 0, , 75-142.		0
314	Discrete transforms. , 0, , 143-221.		0
315	Digital filters. , 0, , 222-276.		0
316	FIR filter approximations. , 0, , 277-348.		1
317	IIR filter approximations. , 0, , 349-408.		0
318	Spectral estimation. , 0, , 409-454.		2
319	Multirate systems. , 0, , 455-502.		0
320	Filter banks. , 0, , 503-598.		0
321	Wavelet transforms. , 0, , 599-667.		1
322	Finite-precision digital signal processing. , 0, , 668-739.		0
323	Efficient FIR structures. , 0, , 740-786.		0
324	Efficient IIR structures. , 0, , 787-862.		0

#	Article	IF	Citations
325	On unbiased adaptive IIR filtering algorithms. , 0, , .		0