Paulo S R Diniz

List of Publications by Year
in descending order

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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	Adaptive Filtering. , 2008, , .		286
2	Adaptive Filtering. , 2013, , .		214
3	Set-membership affine projection algorithm. IEEE Signal Processing Letters, 2001, 8, 231-235.	2.1	168
4	Adaptive Filtering. , 1997, , .		164
5	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
6	Energy Detection Technique for Adaptive Spectrum Sensing. IEEE Transactions on Communications, 2015, 63, 617-627.	4.9	108
7	Set-membership binormalized data-reusing LMS algorithms. IEEE Transactions on Signal Processing, 2003, 51, 124-134.	3.2	92
8	Partial-Update NLMS Algorithms with Data-Selective Updating. IEEE Transactions on Signal Processing, 2004, 52, 938-949.	3.2	90
9	Sparsity-Aware Data-Selective Adaptive Filters. IEEE Transactions on Signal Processing, 2014, 62, 4557-4572.	3.2	78
10	New structures for adaptive filtering in subbands with critical sampling. IEEE Transactions on Signal Processing, 2000, 48, 3316-3327.	3.2	76
11	Convergence analysis of the binormalized data-reusing LMS algorithm. IEEE Transactions on Signal Processing, 2000, 48, 3235-3242.	3.2	75
12	Set-membership binormalized data-reusing lms algorithms. IEEE Transactions on Signal Processing, 2003, 51, 124-134.	3.2	62
13	Adaptive Pilot-Symbol Patterns for MIMO OFDM Systems. IEEE Transactions on Wireless Communications, 2013, 12, 4705-4715.	6.1	61
14	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
15	Low-complexity constrained affine-projection algorithms. IEEE Transactions on Signal Processing, 2005, 53, 4545-4555.	3.2	56
16	Adaptive IIR filtering algorithms for system identification: a general framework. IEEE Transactions on Education, 1995, 38, 54-66.	2.0	49
17	Analysis of LMS-Newton adaptive filtering algorithms with variable convergence factor. IEEE Transactions on Signal Processing, 1995, 43, 617-627.	3.2	47
18	A new delayless subband adaptive filter structure. IEEE Transactions on Signal Processing, 1999, 47, 1580-1591.	3.2	46

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19	Set-Membership Proportionate Affine Projection Algorithms. Eurasip Journal on Audio, Speech, and Music Processing, 2007, 2007, 1-10.	1.3	40
20	On Data-Selective Adaptive Filtering. IEEE Transactions on Signal Processing, 2018, 66, 4239-4252.	3.2	40
21	Adaptive Filtering. , 2020, , .		39
22	Affine projection algorithms for sparse system identification. , 2013, , .		37
23	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
24	Design of High-Resolution Cosine-Modulated Transmultiplexers with Sharp Transition Band. IEEE Transactions on Signal Processing, 2004, 52, 1278-1288.	3.2	33
25	Steady-State MSE Performance of the Set-Membership Affine Projection Algorithm. Circuits, Systems, and Signal Processing, 2013, 32, 1811-1837.	1.2	33
26	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
27	Antenna Selection in Massive MIMO Based on Greedy Algorithms. IEEE Transactions on Wireless Communications, 2020, 19, 1868-1881.	6.1	31
28	Convergence Performance of the Simplified Set-Membership Affine Projection Algorithm. Circuits, Systems, and Signal Processing, 2011, 30, 439-462.	1.2	27
29	Recursive Algorithms for Bias and Gain Nonuniformity Correction in Infrared Videos. IEEE Transactions on Image Processing, 2012, 21, 4758-4769.	6.0	27
30	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
31	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
32	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
33	A new fast QR algorithm based on a priori errors. IEEE Signal Processing Letters, 1997, 4, 307-309.	2.1	24
34	Block-Based Transceivers With Minimum Redundancy. IEEE Transactions on Signal Processing, 2010, 58, 1321-1333.	3.2	23
35	On the robustness of set-membership adaptive filtering algorithms. Eurasip Journal on Advances in Signal Processing, 2017, 2017, .	1.0	23
36	FIR filters using interpolated prefilters and equalizers. IEEE Transactions on Circuits and Systems, 1990, 37, 17-23.	0.9	22

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37	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
38	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
39	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
40	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
41	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
42	Set-membership affine projection algorithm with variable data-reuse factor. , 0, , .		18
43	A simple set-membership affine projection algorithm for sparse system modeling. , 2016, , .		18
44	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
45	Optimal constraint vectors for set-membership affine projection algorithms. Signal Processing, 2017, 134, 285-294.	2.1	17
46	Recursive Least-Squares algorithms for sparse system modeling. , 2017, , .		17
47	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
48	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
49	Feature Adaptive Filtering: Exploiting Hidden Sparsity. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 2358-2371.	3.5	16
50	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
51	A general consistent equation-error algorithm for adaptive IIR filtering. Signal Processing, 1997, 56, 121-134.	2.1	15
52	On orthogonal realizations for adaptive IIR filters. International Journal of Circuit Theory and Applications, 2000, 28, 481-500.	1.3	15
53	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
54	New adaptive IIR filtering algorithms based on the Steiglitz-McBride method. IEEE Transactions on Signal Processing, 1997, 45, 1367-1371.	3.2	14

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55	ON WLS-CHEBYSHEV FIR DIGITAL FILTERS. Journal of Circuits, Systems and Computers, 1999, 09, 155-168.	1.0	14
56	Steady-state analysis of the set-membership affine projection algorithm. , 2010, , .		14
57	A Fixed-Point Online Kernel Principal Component Extraction Algorithm. IEEE Transactions on Signal Processing, 2017, 65, 6244-6259.	3.2	14
58	On the elimination of constant-input limit cycles in digital filters. IEEE Transactions on Circuits and Systems, 1984, 31, 670-671.	0.9	13
59	Optimization Of FRM Filters Using The WLSâ€“Chebyshev Approach. Circuits, Systems, and Signal Processing, 2003, 22, 99-113.	1.2	13
60	Stability and MSE analyses of affine projection algorithms for sparse system identification. , 2014, , .		13
61	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
62	Composite algorithms for adaptive IIR filtering. Electronics Letters, 1992, 28, 886.	0.5	12
63	Design of cosine-modulated filter bank prototype filters using the frequency-response masking approach. , 0, , .		12
64	Time-Varying FIR Transmultiplexers With Minimum Redundancy. IEEE Transactions on Signal Processing, 2009, 57, 1113-1127.	3.2	12
65	Suboptimal Linear MMSE Equalizers With Minimum Redundancy. IEEE Signal Processing Letters, 2010, 17, 387-390.	2.1	12
66	FIR Filter Design Based on Successive Approximation of Vectors. IEEE Transactions on Signal Processing, 2014, 62, 3833-3848.	3.2	12
67	Memoryless block transceivers with minimum redundancy based on Hartley transforms. Signal Processing, 2011, 91, 240-251.	2.1	11
68	Feature LMS Algorithms. , 2018, , .		11
69	Improved parallel realisation of IIR adaptive filters. IEE Proceedings, Part G: Circuits, Devices and Systems, 1993, 140, 322.	0.2	10
70	FIR equalizers with minimum redundancy. , 2002, , .		10
71	On the statistics of matching pursuit angles. Signal Processing, 2010, 90, 3164-3184.	2.1	10
72	LTI Transceivers With Reduced Redundancy. IEEE Transactions on Signal Processing, 2012, 60, 766-780.	3.2	10

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73	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
74	Improved simple setâ€membership affine projection algorithm for sparse system modelling: Analysis and implementation. IET Signal Processing, 2020, 14, 81-88.	0.9	10
75	Design of FIR filters combining the frequency-response masking and the WLS-Chebyshev approaches. , 0, , .		9
76	Fast parallel realization of IIR adaptive filters. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1994, 41, 561-567.	2.3	9
77	Set-membership affine projection algorithm for echo cancellation. , 0, , .		9
78	On Fast Converging Data-Selective Adaptive Filtering. Algorithms, 2019, 12, 4.	1.2	9
79	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
80	Data-selective LMS-Newton and LMS-Quasi-Newton Algorithms. , 2019, , .		8
81	A Method for Scaling Window Sidelobe Magnitude. IEEE Signal Processing Letters, 2021, 28, 1056-1059.	2.1	8
82	A delayless alias-free subband adaptive filter structure. , 0, , .		7
83	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
84	On normalized data-reusing and affine-projections algorithms. , 0, , .		7
85	Filtered gradient algorithms applied to a subband adaptive filter structure. , 2001, , .		7
86	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
87	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
88	Covariance-Based Direction-of-Arrival Estimation With Real Structures. IEEE Signal Processing Letters, 2008, 15, 757-760.	2.1	7
89	Block Transceivers: OFDM and Beyond. Synthesis Lectures on Communications, 2012, 5, 1-206.	0.5	7
90	How far can one compress digital fault records? Analysis of a matching pursuit-based algorithm. , 2012, 22, 288-297.		7

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91	Improved set-membership partial-update affine projection algorithm. , 2016, , .		7
92	l<inf>0</inf>-NORM FEATURE LMS ALGORITHMS. , 2018, , .		7
93	Low-Complexity Feature Stochastic Gradient Algorithm for Block-Lowpass Systems. IEEE Access, 2019, 7, 141587-141593.	2.6	7
94	Fast Convergence Method for Scaling Window Sidelobe Magnitude. IEEE Signal Processing Letters, 2021, 28, 2078-2081.	2.1	7
95	Performance of LMS-Newton adaptation algorithms with variable convergence factor in nonstationary environments. , 1993, , .		6
96	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
97	Power system simulation based on wave digital filters. IEEE Transactions on Power Delivery, 1996, 11, 1098-1104.	2.9	6
98	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
99	Data selective partial-update affine projection algorithm. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	6
100	Direction-of-Arrival Estimation using a Direct-Data Approach. IEEE Transactions on Aerospace and Electronic Systems, 2011, 47, 728-733.	2.6	6
101	Open-source physical-layer simulator for LTE systems. , 2012, , .		6
102	New insights in optimal pilot symbol patterns for OFDM systems. , 2013, , .		6
103	Low-complexity proportionate algorithms with sparsity-promoting penalties. , 2016, , .		6
104	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
105	Intersymbol and Intercarrier Interference in OFDM Transmissions Through Highly Dispersive Channels. , 2019, , .		6
106	A consistent Steiglitz-McBride algorithm. , 0, , .		5
107	Infinite precision analysis of the fast QR decomposition RLS algorithm. , 0, , .		5
108	Design of wavelets for image compression satisfying perceptual criteria. Electronics Letters, 1997, 33, 40.	0.5	5

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109	On WLS-Chebyshev IIR digital filters. , 0, , .		5
110	Jointly minimum MSE transmitter and receiver FIR MIMO filters in the presence of near-end crosstalk and additive noise. , 0, , .		5
111	A Generalized Oversampled Structure for Cosine-Modulated Transmultiplexers and Filter Banks. Circuits, Systems, and Signal Processing, 2006, 25, 131-151.	1.2	5
112	Advanced downlink receivers for GERAN. , 2006, , .		5
113	Set-membership adaptive algorithms based on time-varying error bounds and their application to interference suppression. , 2006, , .		5
114	HRTF Interpolation Through Direct Angular Parameterization. , 2007, , .		5
115	Pilot-aided designs of memoryless block equalizers with minimum redundancy. , 2010, , .		5
116	On the steady-state MSE performance of the set-membership NLMS algorithm. , 2010, , .		5
117	Power Efficient Pilot Symbol Power Allocation under Time-Variant Channels. , 2012, , .		5
118	Design requirements of adaptive pilot-symbol patterns. , 2013, , .		5
119	On the robustness of the set-membership NLMS algorithm. , 2016, , .		5
120	Set-Membership Constrained Frequency-Domain Algorithm. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 797-801.	2.2	5
121	Alternative parallel realization for adaptive IIR filters. , 0, , .		4
122	Stability analysis of the QR-recursive least squares algorithm. , 0, , .		4
123	A Consistent Steiglitz-McBride Algorithm. , 0, , .		4
124	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
125	Using inter-positional Transfer Functions in 3D-sound. , 2002, , .		4
126	Coherent decompositions of power systems signals using damped sinusoids with applications to denoising. , 0, , .		4

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127	Jointly minimum symbol error rate FIR MIMO transmitter and receiver filters for PAM signal vectors. , 0, , .		4
128	Zero-forcing equalization for time-varying systems with memory. , 0, , .		4
129	Semi-blind data-selective algorithms for channel equalization. , 2008, , .		4
130	Semi-blind data-selective equalizers for QAM. , 2008, , .		4
131	Region 9: generating motivation among students and faculty. IEEE Circuits and Systems Magazine, 2009, 9, 38-39.	2.6	4
132	Analysis of Zero-Padded Optimal Transceivers. IEEE Transactions on Signal Processing, 2011, 59, 5443-5457.	3.2	4
133	Achievable Data Rate of DCT-Based Multicarrier Modulation Systems. IEEE Transactions on Wireless Communications, 2019, 18, 1739-1749.	6.1	4
134	Feature LMS Algorithm for Bandpass System Models. , 2019, , .		4
135	Data Selection in Neural Networks. IEEE Open Journal of Signal Processing, 2021, 2, 522-534.	2.3	4
136	The Least-Mean-Square (LMS) Algorithm. , 1997, , 71-131.		4
137	Conventional RLS Adaptive Filter. , 2013, , 209-247.		4
138	ARMA processes in sub-bands with application to audio restoration. , 0, , .		3
139	Zero pole sensitivity active filters. International Journal of Electronics, 1982, 53, 341-348.	0.9	3
140	Elimination of constant-input limit cycles in passive lattice digital filters. IEEE Transactions on Circuits and Systems, 1988, 35, 1188-1190.	0.9	3
141	A procedure for efficient FIR filter design using prefilters. , 0, , .		3
142	Finite precision analysis of the fast QRD-RLS lattice algorithm. , 0, , .		3
143	On orthogonal parallel realization for adaptive IIR filters. , 0, , .		3
144	A family of wavelets for image compression satisfying perceptual criteria. , 0, , .		3

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145	Analysis of a delayless subband adaptive filter structure. , 0, , .		3
146	Peak-constrained design of nonrecursive digital filters with low passband/stopband energy ratio. , 0, , .		3
147	A model for an ARMA process split in sub-bands. , 0, , .		3
148	A new approach for channel equalization using Wiener filtering. , 0, , .		3
149	Adaptive Steiglitz-McBride notch filter design for radio interference suppression in VDSL systems. , 0, , .		3
150	Optimization techniques for cosine-modulated filter banks based on the frequency-response masking approach. , 0, , .		3
151	Zero-forcing multiuser detection in cdma systems using long codes. , 0, , .		3
152	Set-membership adaptive algorithms based on time-varying error bounds for DS-CDMA systems. , 0, , .		3
153	The Least-Mean-Square (LMS) Algorithm. , 2008, , 1-54.		3
154	Beamspace covariance-based DoA estimation. , 2008, , .		3
155	On the normalized minimum error-entropy adaptive algorithm: Cost function and update recursion. , 2010, , .		3
156	Combating noise gains in high-throughput block transceivers using CSI at the transmitter. , 2010, , .		3
157	DHT-Based Transceivers With Reduced Redundancy. IEEE Transactions on Signal Processing, 2012, 60, 6080-6085.	3.2	3
158	Fundamentals of Adaptive Filtering. , 2013, , 13-78.		3
159	Improved set-membership partial-update pseudo affine projection algorithm. , 2016, , .		3
160	Data censoring with set-membership algorithms. , 2017, , .		3
161	Data-Selective Adaptive Filtering. , 2008, , 1-57.		3
162	Nonlinear Adaptive Filtering. , 2013, , 467-499.		3

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163	Efficient Design of Scaled Rectangular (SaramÃki) Window. IEEE Signal Processing Letters, 2022, 29, 489-492.	2.1	3
164	Colored input-signal analysis of normalized data-reusing LMS algorithms. , 0, , .		2
165	Design of FIR equalizers by sharpening identical subfilters. , 0, , .		2
166	Optimal convergence factor for Gauss-Newton algorithms and its application to an adaptive parallel realization. , 0, , .		2
167	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
168	General criterion for the absence of limit cycles in filter structures with a single quantizer. , 1991, , .		2
169	Reformulation of Chang's criterion for the absence of limit cycles using bilinear transform. , 0, , .		2
170	Optimal convergence factor for the LMS/Newton algorithm. , 1991, , .		2
171	Infinite precision analysis of the QR-recursive least squares algorithm. , 0, , .		2
172	On optimal convergence factor for IIR adaptive filters. , 0, , .		2
173	New switched-current cells for adaptive filters. , 0, , .		2
174	Adaptive AR spectral estimation based on multi-band decomposition of the linear prediction error with variable forgetting factors. , 0, , .		2
175	Mean-squared error analysis of the binormalized data-reusing LMS algorithm using a discrete-angular-distribution model for the input signal. , 0, , .		2
176	Set-Membership Binormalized Data-Reusing Algorithms. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 869-874.	0.4	2
177	On the effects of zero-pole pairs and individual zeros and poles on discrete-time transfer functions. , 0, , .		2
178	Wavelet transform as a preprocessing method for neural classification of passive sonar signals. , 0, , .		2
179	Efficient implementation for cosine-modulated filter banks using the frequency response masking approach. , 0, , .		2
180	Partial-update NLMS algorithms with data-selective updating. , 2002, , .		2

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181	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
182	On a Modified Structure for Cosine-Modulated Filter Banks using the Frequency-Response Masking Approach. , 0, , .		2
183	Blind Constrained Set-Membership Algorithms with Time- Varying Bounds for CDMA Interference Suppression. , 0, , .		2
184	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
185	Low complexity blind estimation of the carrier frequency offset in multicarrier systems. , 2008, , .		2
186	Spectral estimation. , 0, , 409-454.		2
187	Low-complexity DoA estimation based on Hermitian EVDs. , 2016, , .		2
188	Performance evaluation of adaptive filters for sparse wireless channel estimation. , 2017, , .		2
189	Data-Selective Conjugate Gradient Algorithm. , 2018, , .		2
190	Convex Combination of Constraint Vectors for Set-membership Affine Projection Algorithms. , 2019, , .		2
191	A Simple Sparsity-aware Feature LMS Algorithm. , 2019, , .		2
192	Data Selection Kernel Conjugate Gradient Algorithm. , 2020, , .		2
193	The Least-Mean-Square (LMS) Algorithm. Kluwer International Series in Engineering and Computer Science, 2002, , 79-138.	0.2	2
194	Introduction to Adaptive Filtering. , 2020, , 1-8.		2
195	FIR equalizers with minimum redundancy. , 2002, , .		2
196	Using inter-positional transfer functions in 3D-sound. , 2002, , .		2
197	Blind Adaptive Filtering. , 2008, , 1-33.		2
198	The Least-Mean-Square (LMS) Algorithm. , 2013, , 79-135.		2

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199	LMS-Based Algorithms. , 2013, , 137-207.		2
200	Adaptive IIR Filters. , 2013, , 411-466.		2
201	A switched-current slice of cells for adaptive filters. , 0, , .		1
202	Synthesis of passive lattice digital filters which are free of constant-input limit cycles. , 0, , .		1
203	Tridiagonal state-space digital-filter structures. IEEE Transactions on Circuits and Systems, 1990, 37, 818-824.	0.9	1
204	On symmetric lattice digital-filter synthesis. , 0, , .		1
205	Fast adaptive IIR parallel realization. , 0, , .		1
206	Infinite precision analysis of the QR-recursive least squares algorithm. , 0, , .		1
207	A family of equation-error based IIR adaptive algorithms. , 0, , .		1
208	Finite precision analysis of the conventional QR decomposition RLS algorithm. , 0, , .		1
209	Analysis of the QR-RLS algorithm for colored-input signals. , 0, , .		1
210	Multi-band decomposition of the linear prediction error applied to the least-mean-square method with fixed and variable step-sizes. , 0, , .		1
211	Peak-constrained least-squares design of IIR digital filters. , 0, , .		1
212	An orthogonal adaptive IIR realization for efficient MSOE optimization. , 0, , .		1
213	Teaching circuits, systems, and signal processing. , 0, , .		1
214	A new delayless subband adaptive filter structure. , 0, , .		1
215	Designing peak-constrained arbitrary-phase FIR digital filters with low passband-to-stopband energy ratio. , 0, , .		1
216	Convergence analysis of a new subband adaptive structure with critical sampling. , 0, , .		1

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217	Nonlinear echo cancellation using decoupled A-B net structure. , 0, , .		1
218	Transmultiplex using fractional delays. , 0, , .		1
219	The z and Fourier transforms. , 0, , 36-84.		1
220	Finite-precision effects. , 0, , 310-353.		1
221	A new procedure for the optimized design of CMFBs based on the frequency-response masking technique. , 0, , .		1
222	Digital Filters. , 2005, , 839-860.		1
223	Set-membership adaptive algorithms based on time-varying error bounds and their application to interference suppression. , 2006, , .		1
224	On the Design of Cosine-Modulated Filter Banks Using Recurrent Frequency-Response Masking. , 2006, , .		1
225	Discrete-time signals and systems. , 0, , 5-74.		1
226	FIR filter approximations. , 0, , 277-348.		1
227	Wavelet transforms. , 0, , 599-667.		1
228	A Unitary ESPRIT algorithm for carrier frequency offset estimation. , 2011, , .		1
229	Introduction to Signal Processing Theory. Academic Press Library in Signal Processing, 2014, , 3-28.	0.8	1
230	Doppler effects on transceivers with reduced redundancy. , 2015, , .		1
231	A recursive least square algorithm for online kernel principal component extraction. Neurocomputing, 2017, 237, 255-264.	3.5	1
232	Implementation Issues of Adaptive Energy Detection in Heterogeneous Wireless Networks. Sensors, 2017, 17, 932.	2.1	1
233	Kalman Filters. , 2020, , 431-456.		1
234	Fundamentals of Adaptive Filtering. , 2008, , 1-63.		1

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235	Nonlinear Adaptive Filtering. , 2008, , 1-34.		1
236	Kalman Filters. , 2013, , 623-634.		1
237	Fast Transversal RLS Algorithms. , 1997, , 289-309.		1
238	Set-Membership Adaptive Filtering. , 2020, , 189-229.		1
239	Fundamentals of Adaptive Filtering. , 2020, , 9-60.		1
240	Data Selective Deep Neural Networks For Image Classification. , 2021, , .		1
241	A new high performance voltage controlled voltage source. International Journal of Electronics, 1982, 53, 349-352.	0.9	0
242	Active compensation of positive feedback amplifiers for applications in filters. International Journal of Electronics, 1983, 54, 695-699.	0.9	0
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