Yuriy S Shmaliy

List of Publications by Year
in descending order

218 papers	3,946 citations	136740 32 h-index	149479 56 g-index
219 all docs	219 docs citations	219 times ranked	1549 citing authors

#	Article	IF	Citations
1	Improving Reliability of Particle Filter-Based Localization in Wireless Sensor Networks via Hybrid Particle/FIR Filtering. IEEE Transactions on Industrial Informatics, 2015, 11, 1089-1098.	7.2	204
2	An Iterative Kalman-Like Algorithm Ignoring Noise and Initial Conditions. IEEE Transactions on Signal Processing, 2011, 59, 2465-2473.	3.2	183
3	Linear Optimal FIR Estimation of Discrete Time-Invariant State-Space Models. IEEE Transactions on Signal Processing, 2010, 58, 3086-3096.	3.2	159
4	Distributed Hybrid Particle/FIR Filtering for Mitigating NLOS Effects in TOA-Based Localization Using Wireless Sensor Networks. IEEE Transactions on Industrial Electronics, 2017, 64, 5182-5191.	5.2	125
5	Fast Kalman-Like Optimal Unbiased FIR Filtering With Applications. IEEE Transactions on Signal Processing, 2016, 64, 2284-2297.	3.2	124
6	An unbiased FIR filter for TIE model of a local clock in applications to GPS-based timekeeping. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2006, 53, 862-870.	1.7	110
7	Optimal Memory for Discrete-Time FIR Filters in State-Space. IEEE Transactions on Signal Processing, 2014, 62, 557-561.	3.2	109
8	UWB-Based Indoor Human Localization With Time-Delayed Data Using EFIR Filtering. IEEE Access, 2017, 5, 16676-16683.	2.6	89
9	Fusion Kalman/UFIR Filter for State Estimation With Uncertain Parameters and Noise Statistics. IEEE Transactions on Industrial Electronics, 2017, 64, 3075-3083.	5.2	83
10	Accurate Self-Localization in RFID Tag Information Grids Using FIR Filtering. IEEE Transactions on Industrial Informatics, 2014, 10, 1317-1326.	7.2	80
11	Suboptimal FIR Filtering of Nonlinear Models in Additive White Gaussian Noise. IEEE Transactions on Signal Processing, 2012, 60, 5519-5527.	3.2	79
12	Unbiased FIR Filtering of Discrete-Time Polynomial State-Space Models. IEEE Transactions on Signal Processing, 2009, 57, 1241-1249.	3.2	78
13	Switching Extensible FIR Filter Bank for Adaptive Horizon State Estimation With Application. IEEE Transactions on Control Systems Technology, 2016, 24, 1052-1058.	3.2	78
14	Minimum variance unbiased FIR filter for discrete time-variant systems. Automatica, 2015, 53, 355-361.	3.0	75
15	Adaptive robust INS/UWB-integrated human tracking using UFIR filter bank. Measurement: Journal of the International Measurement Confederation, 2018, 123, 1-7.	2.5	74
16	Comparing Robustness of the Kalman, <inline-formula> <tex-math notation="LaTeX">H_∞</tex-math> </inline-formula>, and UFIR Filters. IEEE Transactions on Signal Processing, 2018, 66, 3447-3458.	3.2	65
17	Time–variant linear optimal finite impulse response estimator for discrete state–space models. International Journal of Adaptive Control and Signal Processing, 2012, 26, 95-104.	2.3	64
18	Unified forms for Kalman and finite impulse response filtering and smoothing. Automatica, 2013, 49, 1892-1899.	3.0	64

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19	FIR Smoothing of Discrete-Time Polynomial Signals in State Space. IEEE Transactions on Signal Processing, 2010, 58, 2544-2555.	3.2	59
20	Fast Computation of Discrete Optimal FIR Estimates in White Gaussian Noise. IEEE Signal Processing Letters, 2015, 22, 718-722.	2.1	53
21	Optimal Synchronization of Local Clocks by GPS 1PPS Signals Using Predictive FIR Filters. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 1833-1840.	2.4	52
22	Iterative unbiased FIR state estimation: a review of algorithms. Eurasip Journal on Advances in Signal Processing, 2013, 2013, .	1.0	47
23	Tightly Coupled Integration of INS and UWB Using Fixed-Lag Extended UFIR Smoothing for Quadrotor Localization. IEEE Internet of Things Journal, 2021, 8, 1716-1727.	5.5	46
24	Accurate and Reliable Human Localization Using Composite Particle/FIR Filtering. IEEE Transactions on Human-Machine Systems, 2017, 47, 332-342.	2.5	45
25	An unbiased p-step predictive FIR filter for a class of noise-free discrete-time models with independently observed states. Signal, Image and Video Processing, 2009, 3, 127-135.	1.7	42
26	Optimal horizons for a one-parameter family of unbiased FIR filters. , 2008, 18, 739-750.		40
27	Optimal Gains of FIR Estimators for a Class of Discrete-Time State-Space Models. IEEE Signal Processing Letters, 2008, 15, 517-520.	2.1	40
28	An Improved Iterative FIR State Estimator and Its Applications. IEEE Transactions on Industrial Informatics, 2020, 16, 1003-1012.	7.2	40
29	Distributed Unbiased FIR Filtering With Average Consensus on Measurements for WSNs. IEEE Transactions on Industrial Informatics, 2017, 13, 1440-1447.	7.2	39
30	Robust and accurate UWBâ€based indoor robot localisation using integrated EKF/EFIR filtering. IET Radar, Sonar and Navigation, 2018, 12, 750-756.	0.9	39
31	Combined extended FIR/Kalman filtering for indoor robot localization via triangulation. Measurement: Journal of the International Measurement Confederation, 2014, 50, 236-243.	2.5	38
32	System fusion in passive sensing using a modified hopfield network. Journal of the Franklin Institute, 2001, 338, 405-427.	1.9	37
33	Self-Tuning Unbiased Finite Impulse Response Filtering Algorithm for Processes With Unknown Measurement Noise Covariance. IEEE Transactions on Control Systems Technology, 2021, 29, 1372-1379.	3.2	37
34	A simple optimally unbiased MA filter for timekeeping. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2002, 49, 789-797.	1.7	34
35	Probabilistic Monitoring of Correlated Sensors for Nonlinear Processes in State Space. IEEE Transactions on Industrial Electronics, 2020, 67, 2294-2303.	5.2	34
36	Multipass Optimal FIR Filtering for Processes With Unknown Initial States and Temporary Mismatches. IEEE Transactions on Industrial Informatics, 2021, 17, 5360-5368.	7.2	33

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37	Ultimate iterative UFIR filtering algorithm. Measurement: Journal of the International Measurement Confederation, 2016, 92, 236-242.	2.5	32
38	Indoor INS UWB-based human localization with missing data utilizing predictive UFIR filtering. IEEE/CAA Journal of Automatica Sinica, 2019, 6, 952-960.	8.5	32
39	Indoor INS/LiDAR-Based Robot Localization With Improved Robustness Using Cascaded FIR Filter. IEEE Access, 2019, 7, 34189-34197.	2.6	32
40	Discrete Time q-Lag Maximum Likelihood FIR Smoothing and Iterative Recursive Algorithm. IEEE Transactions on Signal Processing, 2021, 69, 6342-6354.	3.2	32
41	ECG Signal Denoising and Features Extraction Using Unbiased FIR Smoothing. BioMed Research International, 2019, 2019, 1-16.	0.9	31
42	A thinning algorithm for GPS-based unbiased FIR estimation of a clock TIE model. Measurement: Journal of the International Measurement Confederation, 2008, 41, 538-550.	2.5	30
43	Adaptive-Horizon Iterative UFIR Filtering Algorithm With Applications. IEEE Transactions on Industrial Electronics, 2018, 65, 6393-6402.	5.2	30
44	Kalman and UFIR state estimation with coloured measurement noise using backward Euler method. IET Signal Processing, 2020, 14, 64-71.	0.9	30
45	Real-Time Optimal State Estimation of Multi-DOF Industrial Systems Using FIR Filtering. IEEE Transactions on Industrial Informatics, 2017, 13, 967-975.	7.2	28
46	Unbiased FIR Filtering for Time-Stamped Discretely Delayed and Missing Data. IEEE Transactions on Automatic Control, 2020, 65, 2155-2162.	3.6	27
47	Noise Power Gain for Discrete-Time FIR Estimators. IEEE Signal Processing Letters, 2011, 18, 207-210.	2.1	26
48	Receding-Horizon <inline-formula> <tex-math notation="LaTeX">$l_{2}{-}l_{infty}$$</tex-math> </inline-formula> FIR Filter With Embedded Deadbeat Property. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 211-215.	2.2	26
49	General Unbiased FIR Filter With Applications to GPS-Based Steering of Oscillator Frequency. IEEE Transactions on Control Systems Technology, 2017, 25, 1141-1148.	3.2	26
50	Optimal and Unbiased Filtering With Colored Process Noise Using State Differencing. IEEE Signal Processing Letters, 2019, 26, 548-551.	2.1	26
51	Robust inertial navigation system/ultra wide band integrated indoor quadrotor localization employing adaptive interacting multiple model-unbiased finite impulse response/Kalman filter estimator. Aerospace Science and Technology, 2020, 98, 105683.	2.5	26
52	Bayesian State Estimation for Markovian Jump Systems: Employing Recursive Steps and Pseudocodes. IEEE Systems, Man, and Cybernetics Magazine, 2019, 5, 27-36.	1.2	24
53	Limiting Phase Errors of Passive Wireless SAW Sensing With Differential Measurement. IEEE Sensors Journal, 2004, 4, 819-827.	2.4	23
54	Von Mises/Tikhonov-based distributions for systems with differential phase measurement. Signal Processing, 2005, 85, 693-703.	2.1	23

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55	Blind Robust Estimation With Missing Data for Smart Sensors Using UFIR Filtering. IEEE Sensors Journal, 2017, 17, 1819-1827.	2.4	23
56	Bayesian state estimation on finite horizons: The case of linear state–space model. Automatica, 2017, 85, 91-99.	3.0	22
57	On the Multivariate Conditional Probability Density of a Vector Perturbed by Gaussian Noise. IEEE Transactions on Information Theory, 2007, 53, 4792-4797.	1.5	21
58	Optimal FIR filtering of the clock time errors. Metrologia, 2008, 45, 571-576.	0.6	21
59	A new class of discrete orthogonal polynomials for blind fitting of finite data. Signal Processing, 2013, 93, 1785-1793.	2.1	21
60	A New Unbiased FIR Filter With Improved Robustness Based on Frobenius Norm With Exponential Weight. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 521-525.	2.2	21
61	On Real-Time Optimal FIR Estimation of Linear TIE Models of Local Clocks. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 2403-2406.	1.7	20
62	Unified Maximum Likelihood Form for Bias Constrained FIR Filters. IEEE Signal Processing Letters, 2016, 23, 1848-1852.	2.1	20
63	Efficient predictive estimator for holdover in GPS-based clock synchronization. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 2131-2139.	1.7	19
64	Optimal extraction of EMG signal envelope and artifacts removal assuming colored measurement noise. Biomedical Signal Processing and Control, 2020, 57, 101679.	3.5	19
65	Self-Localization Over RFID Tag Grid Excess Channels Using Extended Filtering Techniques. IEEE Journal on Selected Topics in Signal Processing, 2015, 9, 229-238.	7.3	18
66	Denoising and Features Extraction of ECG Signals in State Space Using Unbiased FIR Smoothing. IEEE Access, 2019, 7, 152166-152178.	2.6	18
67	INS/UWB-Based Quadrotor Localization Under Colored Measurement Noise. IEEE Sensors Journal, 2021, 21, 6384-6392.	2.4	18
68	Approximate estimates of limiting errors of passive wireless SAW sensing with DPM. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2005, 52, 1797-1805.	1.7	17
69	Unbiased FIR, Kalman, and game theory H_{∞} under bernoulli distributed random delays and packet dropouts. Neurocomputing, 2021, 442, 89-97.	3.5	17
70	Confidence limits for genome DNA copy number variations in HR-CGH array measurements. Biomedical Signal Processing and Control, 2014, 10, 166-173.	3.5	16
71	Frequency-Efficient Receding Horizon H_∞ FIR Filtering in Discrete-Time State-Space. IEEE Transactions on Circuits and Systems I: Regular Papers, 2017, 64, 2945-2953.	3.5	16
72	Continuous-Time Deadbeat H_{2} FIR Filter. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 987-991.	2.2	16

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73	Iterative Maximum Likelihood FIR Estimation of Dynamic Systems With Improved Robustness. IEEE/ASME Transactions on Mechatronics, 2018, 23, 1467-1476.	3.7	16
74	Distributed Kalman filter for UWB/INS integrated pedestrian localization under colored measurement noise. Satellite Navigation, 2021, 2, .	4.6	16
75	Confidence masks for genome DNA copy number variations in applications to HR-CGH array measurements. Biomedical Signal Processing and Control, 2014, 13, 337-344.	3.5	15
76	Bias-Constrained Optimal Fusion Filtering for Decentralized WSN With Correlated Noise Sources. IEEE Transactions on Signal and Information Processing Over Networks, 2018, 4, 727-735.	1.6	15
77	Unbiased, optimal, and inâ€betweens: the tradeâ€off in discrete finite impulse response filtering. IET Signal Processing, 2016, 10, 325-334.	0.9	14
78	New Receding Horizon FIR Estimator for Blind Smart Sensing of Velocity via Position Measurements. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 135-139.	2.2	14
79	Distributed UFIR Filtering Over WSNs With Consensus on Estimates. IEEE Transactions on Industrial Informatics, 2020, 16, 1645-1654.	7.2	14
80	One-port noise model of a crystal oscillator. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2004, 51, 25-32.	1.7	13
81	Minimum Weighted Frobenius Norm Discrete-Time FIR Filter With Embedded Unbiasedness. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1284-1288.	2.2	13
82	Probability density of the phase of a random RF pulse in the presence of Gaussian noise. AEU - International Journal of Electronics and Communications, 2009, 63, 15-23.	1.7	12
83	Optimal and unbiased FIR filtering in discrete time state space with smoothing and predictive properties. Eurasip Journal on Advances in Signal Processing, 2012, 2012, .	1.0	12
84	On the Iterative Computation of Error Matrix in Unbiased FIR Filtering. IEEE Signal Processing Letters, 2017, 24, 555-558.	2.1	12
85	Object Tracking Over Distributed WSNs With Consensus on Estimates and Missing Data. IEEE Access, 2019, 7, 39448-39458.	2.6	12
86	Frobenius Norm-Based Unbiased Finite Impulse Response Fusion Filtering for Wireless Sensor Networks. IEEE Transactions on Industrial Electronics, 2022, 69, 1867-1876.	5.2	12
87	A Novel H_2 Approach to FIR Prediction Under Disturbances and Measurement Errors. IEEE Signal Processing Letters, 2021, 28, 150-154.	2.1	12
88	Clock state estimation with the Kalman-like UFIR algorithm via TIE measurement. Measurement: Journal of the International Measurement Confederation, 2013, 46, 476-483.	2.5	11
89	UFIR Filtering for GPS-Based Tracking over WSNs with Delayed and Missing Data. Journal of Electrical and Computer Engineering, 2018, 2018, 1-9.	0.6	11
90	Optimal FIR Filter for Discrete-Time LTV Systems and Fast Iterative Algorithm. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 1527-1531.	2.2	11

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91	Linear unbiased prediction of clock errors. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2009, 56, 2027-2029.	1.7	10
92	Threshold-based identification of wireless SAW RFID-tags with pulse position encoding. Measurement: Journal of the International Measurement Confederation, 2011, 44, 730-737.	2.5	10
93	A new recursive scheme of the unbiased FIR filter to image processing. Procedia Engineering, 2012, 35, 202-209.	1.2	10
94	Fast Kalman-like optimal FIR filter for time-variant systems with improved robustness. ISA Transactions, 2018, 80, 160-168.	3.1	10
95	Predictive Tracking Under Persistent Disturbances and Data Errors Using H_2 FIR Approach. IEEE Transactions on Industrial Electronics, 2022, 69, 6121-6129.	5.2	10
96	Investigation of an Optimum Sampling Interval for a Local Clock TIE Model with an Unbiased FIR Filtering Algorithm. , 2006, , .		9
97	Moving Average Hybrid Filter to the Enhancing Ultrasound Image Processing. IEEE Latin America Transactions, 2010, 8, 9-16.	1.2	9
98	Time-variant forward-backward FIR denoising of piecewise-smooth signals. AEU - International Journal of Electronics and Communications, 2013, 67, 406-413.	1.7	8
99	On the <inline-formula> <tex-math notation="LaTeX">l_2 </tex-math> </inline-formula>-<inline-formula> <tex-math notation="LaTeX">l_∞ </tex-math> </inline-formula> and <inline-formula> <tex-math notation="LaTeX">H_∞ </tex-math> </inline-formula> Performances of the Continuous-Time Deadbeat <inline-for. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1798-1802.	2.2	8
100	Fusion Kalman and Weighted UFIR State Estimator With Improved Accuracy. IEEE Transactions on Industrial Electronics, 2020, 67, 10713-10722.	5.2	8
101	Bias-Constrained <i>H</i>∞ Optimal Finite Impulse Response Filtering for Object Tracking Under Disturbances and Data Errors. IEEE Transactions on Control Systems Technology, 2022, 30, 1782-1789.	3.2	8
102	A stochastic analysis of an anharmonic sensor phase response. IEEE Sensors Journal, 2003, 3, 158-163.	2.4	7
103	Implementation of Digital Unbiased FIR Filters with Polynomial Impulse Responses. Circuits, Systems, and Signal Processing, 2012, 31, 611-626.	1.2	7
104	Effect of embedded unbiasedness on discrete-time optimal FIR filtering estimates. Eurasip Journal on Advances in Signal Processing, 2015, 2015, .	1.0	7
105	Probability distributions of the envelope and phase, and their derivatives in time of the sum of a non-stationary sine signal and narrow-band Gaussian noise. Journal of the Franklin Institute, 1999, 336, 1013-1022.	1.9	6
106	Approximate jitter probability in the breakpoints of genome copy number variations. , 2013, , .		6
107	Improving estimates of the breakpoints in genome copy number alteration profiles with confidence masks. Biomedical Signal Processing and Control, 2017, 31, 238-248.	3.5	6
108	Unbiased FIR denoising of ECG signals. , 2017, , .		6

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109	Improving Tightly LiDAR/Compass/Encoder-Integrated Mobile Robot Localization with Uncertain Sampling Period Utilizing EFIR Filter. Mobile Networks and Applications, 2021, 26, 440-448.	2.2	6
110	Decision tree-extended finite impulse response filtering for pedestrian tracking over tightly integrated inertial navigation system/ultra wide band data. Measurement Science and Technology, 2021, 32, 034007.	1.4	6
111	Drift Errors in Passive Remote Wireless SAW Sensing With Multiple DPM. IEEE Sensors Journal, 2009, 9, 774-781.	2.4	5
112	Full horizon optimal FIR estimator of clock state employing measurement of time errors. AEU - International Journal of Electronics and Communications, 2011, 65, 117-122.	1.7	5
113	Optimal finite impulse response estimation of linear models in receiver channels with imbedded digital signal processing units. IET Signal Processing, 2012, 6, 281.	0.9	5
114	The noise conversion method for oscillatory systems. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2004, 51, 948-956.	1.7	4
115	Fast bias–constrained optimal FIR filtering for time–invariant state space models. International Journal of Adaptive Control and Signal Processing, 2017, 31, 1061-1076.	2.3	4
116	Experimental Comparison of the Unbiased FIR Estimates vs. the Sawtooth Correction in GPS-based Timekeeping. , 2006, , .		3
117	Efficient predictive steering of local clocks in GPS-based timekeeping. , 2009, , .		3
118	Probability density of the differential phase difference in applications to passive wireless surface acoustic wave sensing. AEU - International Journal of Electronics and Communications, 2009, 63, 623-631.	1.7	3
119	Error probability for RFID SAW tags with pulse position coding and peak-pulse detection. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 2528-2536.	1.7	3
120	Computationally Efficient FIR Filtering of Polynomial Signals in DFT Domain. Circuits, Systems, and Signal Processing, 2012, 31, 2153-2166.	1.2	3
121	A new class of discrete orthogonal polynomials for blind fitting of finite data. , 2013, , .		3
122	A Revisit to Strictly Passive FIR Filtering. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 516-520.	2.2	3
123	Blind Robust Multi-Horizon EFIR Filter for Tightly Integrating INS and UWB. IEEE Sensors Journal, 2021, 21, 23037-23045.	2.4	3
124	Improving Gaussianity of EMG Envelope for Myoelectric Robot Arm Control. WSEAS Transactions on Biology and Biomedicine, 2021, 18, 106-112.	0.3	3
125	Uncertain disturbed systems: Robust H_2–OUFIR filtering under measurement errors. International Journal of Adaptive Control and Signal Processing, 2022, 36, 2383-2400.	2.3	3
126	Thresholds for the identification of wireless SAW RFID-tags with ASK. , 2010, , .		2

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127	Peak-pulse detection error probability for RFID saw-tags with pulse position coding. , 2012, , .		2
128	Studies of optimal memory for discrete-time fir filters in state-space. , 2012, , .		2
129	Toward to Recurrent Form of the Impulse Response of UFIR Filters. Procedia Technology, 2013, 7, 111-117.	1.1	2
130	Triangulation-based indoor robot localization using extended FIR/Kalman filtering. , 2014, , .		2
131	Jitter representation in SCNA breakpoints using asymmetric exponential power distribution. , 2017, , .		2
132	Fiducial Features Extraction for ECG Signals using State-Space Unbiased FIR Smoothing. , 2018, , .		2
133	Design of Blind Robust Estimator for Smart Sensors. Lecture Notes in Computer Science, 2018, , 354-365.	1.0	2
134	Hankel-Norm Approach to Robust FIR Estimation of Dynamic Systems Under External Disturbances. IEEE/ASME Transactions on Mechatronics, 2018, 23, 1973-1980.	3.7	2
135	Analysis and Smoothing of EMG Signal Envelope Using Kalman and UFIR Filtering under Colored Measurement Noise. MATEC Web of Conferences, 2019, 292, 04002.	0.1	2
136	Backward optimal FIR filtering and recursive forms for discrete LTV processes. Signal Processing, 2021, 180, 107857.	2.1	2
137	Distributed UFIR Filtering with Applications to Environmental Monitoring. WSEAS Transactions on Signal Processing, 2021, 16, 185-190.	0.3	2
138	UFIR Filtering Under Uncertain One-Step Delayed and Missing Data. WSEAS Transactions on Signal Processing, 2021, 16, 191-196.	0.3	2
139	Three-Wheeled Omnidirectional Robot Localization in RFID-Tag Environments using UFIR Filtering. WSEAS Transactions on Signal Processing, 2021, 17, 16-21.	0.3	2
140	Visual Object Tracking with Colored Measurement Noise using Kalman and UFIR Filters. , 2020, , .		2
141	<title>Dynamics of the mean signal amplitude of a crystal oscillator with a nonlinear resonator and low drives</title>. , 2004, , .		1
142	<title>A generalized asymptotical model of a single-mode noisy crystal oscillator with a nonlinear resonator</title>. , 2004, , .		1
143	An Optimal FIR Filter for Linear TIE Models of Local Clocks. Frequency Control Symposium and Exhibition, Proceedings of the IEEE International, 2007, , .	0.0	1
144	Imperfections Influence Modeling upon Eigenvibrations in a Convex Piezoelectric Plate of AT-cut. Frequency Control Symposium and Exhibition, Proceedings of the IEEE International, 2007, , .	0.0	1

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145	Estimation of the clock TIE state space model using a thinning unbiased FIR filtering algorithm. , 2008, , .		1
146	Drift errors in passive remote wireless SAW sensing with multiple DPM. , 2009, , .		1
147	Thresholds for the Identification of Commercial Wireless SAW ID-Tags. , 2010, , .		1
148	Clock current state estimation with a Kalman-like algorithm employing measurement of time errors. , 2011, , .		1
149	Iterative algorithms for unbiased FIR state estimation in discrete time. , 2013, , .		1
150	New results in nonlinear state estimation using extended unbiased fir filtering. , 2015, , .		1
151	An Algorithm for Bounding Error in Estimates of Genome Copy Number Variations Using SNP Array Technology. , 2015, , .		1
152	Algorithmic innovations in extended unbiased FIR filtering of nonlinear models. , 2015, , .		1
153	Improving approximation of jitter probability in the breakpoints of simulated copy number alterations. , 2016, , .		1
154	Accurate Jitter Computation in CNA Breakpoints Using Hybrid Confidence Masks With Applications to SNP Array Probing. IEEE Access, 2018, 6, 3376-3386.	2.6	1
155	Matching Confidence Masks with Experts Annotations for Estimates of Chromosomal Copy Number Alterations. Lecture Notes in Computer Science, 2018, , 85-94.	1.0	1
156	Further Results on Induced <inline-formula> <tex-math notation="LaTeX">l_infty </tex-math> </inline-formula> RH FIR Filtering. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1124-1128.	2.2	1
157	GPS-based Tracking over WSNs with Delayed and Missing Data using UFIR Filtering. MATEC Web of Conferences, 2018, 210, 05002.	0.1	1
158	ECG Signals Denoising in State Space using UFIR Filtering for Features Extraction. , 2018, , .		1
159	Generalized Dissipativity-Based Receding Horizon FIR Filtering with Deadbeat Property. IEEE Transactions on Circuits and Systems II: Express Briefs, 2024, , 1-1.	2.2	1
160	Denoising ECG Signals Using Unbiased FIR Smoother and Harmonic State-Space Model. , 2021, , .		1
161	Distributed UFIR Filtering with Applications to Environmental Monitoring. International Journal of Circuits, Systems and Signal Processing, 2021, 15, 349-355.	0.2	1
162	Improving Accuracy of Mobile Robot Localization by Tightly Fusing LiDAR and DR data. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 116-123.	0.2	1

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163	Correcting estimates of DNA CNAs using improved confidence masks tuned to gold standard. IET Signal Processing, 2019, 13, 464-471.	0.9	1
164	Viewing sector optimisation for indoor localisation using multiâ€laateration with unilateral nodes deployment. IET Wireless Sensor Systems, 2019, 9, 151-157.	1.3	1
165	Algorithms Design for Tracking Moving Objects with Colored Process Noise. , 2020, , .		1
166	Backward Iterations for OFIR Filtering in Discrete-Time State-Space. , 2021, , .		1
167	Noise conversion in crystal oscillators. , 2004, , .		0
168	A Stochastic Model of "Sleeping Sickness" of Crystal Oscillators. , 2006, , .		0
169	Statistical Modeling of Remote Wireless SAW Sensing with Multiple DPM Employing Tikhonov Distribution. , 2006, , .		0
170	An unbiased fir filter for a polynomial model in presence of noise of arbitrary distribution. , 2006, , .		0
171	Real-time Frequency Estimation of Local Oscillators Using GPS Timing Receivers. Frequency Control Symposium and Exhibition, Proceedings of the IEEE International, 2007, , .	0.0	0
172	Optimum Time Step and Memory for GPS-based Unbiased FIR Estimates of the Local Clock TIE Model. Frequency Control Symposium and Exhibition, Proceedings of the IEEE International, 2007, , .	0.0	0
173	A holdover algorithm for applications in GPS-based clock synchronization. , 2008, , .		0
174	<title>A probabilistic analysis of the crystal oscillator behavior at low drive levels</title>. Proceedings of SPIE, 2008, , .	0.8	0
175	<title>Approximate estimates of errors in wireless SAW sensing with DPM</title>. , 2008, , .		0
176	Studies of optimal FIR estimator of clock state employing measurement of time errors. , 2010, , .		0
177	Optimal and unbiased fir estimates of clock state for space and ground applications. , 2010, , .		0
178	Studies of discrete-time unbiased FIR filters of polynomial state-space models. , 2010, , .		0
179	Noise power gain as a measure of errors in discrete-time transversal estimators. , 2011, , .		0
180	Smoothing fir filtering of discrete state-space polynomial signal models. , 2011, , .		0

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181	A Kalman-like algorithm with no requirements for noise and initial conditions. , 2011, , .		0
182	Optimal estimation of hybrid models in state-space with FIR structures. , 2012, , .		0
183	Extended UFIR filtering of nonlinear models corrupted by white Gaussian noise. , 2012, , .		0
184	A Linear Optimal Transversal Filter for Time-Varying Receiver Channels. IEEE Transactions on Aerospace and Electronic Systems, 2012, 48, 1703-1712.	2.6	0
185	A forward-backward UFIR algorithm for denoising of piecewise-smooth signals. , 2013, , .		0
186	A generalized algorithm for nonlinear state estimation using extended UFIR filtering. , 2014, , .		0
187	Optimal FIR estimator for discrete time-variant state-space model. , 2014, , .		0
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