

Yuriy S Shmaliy

List of Publications by Year in descending order

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218
papers

3,946
citations

136740

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219
docs citations

219
times ranked

1549
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Bias-Constrained H_∞ , 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
5	Robust q -LAG Unbiased FIR Smoother for LTV Systems and Recursive Forms. IEEE Signal Processing Letters, 2022, 29, 379-383.	2.1	0
6	Bounding Box Stabilization for Visual Object Tracking Using Kalman and FIR Filters. WSEAS Transactions on Signal Processing, 2022, 18, 11-20.	0.3	0
7	Effect of sampling time jitter on robust H_2 filtering estimates. Signal Processing, 2022, 198, 108597.	2.1	0
8	Edge testing of Noisy image Based on Wavelet Neural Network. WSEAS Transactions on Signal Processing, 2022, 18, 116-122.	0.3	0
9	Uncertain disturbed systems: Robust H_2 UFIR filtering under measurement errors. International Journal of Adaptive Control and Signal Processing, 2022, 36, 2383-2400.	2.3	3
10	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
11	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
12	Backward optimal FIR filtering and recursive forms for discrete LTV processes. Signal Processing, 2021, 180, 107857.	2.1	2
13	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
14	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
15	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
16	A Novel H_2 Approach to FIR Prediction Under Disturbances and Measurement Errors. IEEE Signal Processing Letters, 2021, 28, 150-154.	2.1	12
17	Blind Robust Multi-Horizon EFIR Filter for Tightly Integrating INS and UWB. IEEE Sensors Journal, 2021, 21, 23037-23045.	2.4	3
18	Denosing ECG Signals Using Unbiased FIR Smoother and Harmonic State-Space Model. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
37	Combined Particle/FIR Filtering for Indoor Localization Based on Wireless Sensor Networks. , 2021, 1, 34-40.		0
38	Improving Jitter Distribution in the Breakpoints of Genome CNVs. , 2021, 1, 23-30.		0
39	Embedded Unbiasedness: Effect on Optimal FIR Filtering Estimates. , 2021, 1, 55-61.		0
40	Factors Affecting Self-Localization in UHF RFID Tag Networks. , 2021, 1, 72-77.		0
41	Probabilistic Monitoring of Correlated Sensors for Nonlinear Processes in State Space. IEEE Transactions on Industrial Electronics, 2020, 67, 2294-2303.	5.2	34
42	Distributed UFIR Filtering Over WSNs With Consensus on Estimates. IEEE Transactions on Industrial Informatics, 2020, 16, 1645-1654.	7.2	14
43	An Improved Iterative FIR State Estimator and Its Applications. IEEE Transactions on Industrial Informatics, 2020, 16, 1003-1012.	7.2	40
44	Unbiased FIR Filtering for Time-Stamped Discretely Delayed and Missing Data. IEEE Transactions on Automatic Control, 2020, 65, 2155-2162.	3.6	27
45	Fusion Kalman and Weighted UFIR State Estimator With Improved Accuracy. IEEE Transactions on Industrial Electronics, 2020, 67, 10713-10722.	5.2	8
46	Optimal extraction of EMG signal envelope and artifacts removal assuming colored measurement noise. Biomedical Signal Processing and Control, 2020, 57, 101679.	3.5	19
47	Kalman and UFIR state estimation with coloured measurement noise using backward Euler method. IET Signal Processing, 2020, 14, 64-71.	0.9	30
48	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
49	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
50	Removing Artifacts from EMG Envelope for Improving Myoelectric Robot Arm Control. WSEAS Transactions on Signal Processing, 2020, 16, 31-36.	0.3	0
51	Algorithms Design for Tracking Moving Objects with Colored Process Noise. , 2020, , .		1
52	Visual Object Tracking with Colored Measurement Noise using Kalman and UFIR Filters. , 2020, , .		2
53	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
54	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

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55	Denoising and Features Extraction of ECG Signals in State Space Using Unbiased FIR Smoothing. IEEE Access, 2019, 7, 152166-152178.	2.6	18
56	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
57	Indoor INS/LiDAR-Based Robot Localization With Improved Robustness Using Cascaded FIR Filter. IEEE Access, 2019, 7, 34189-34197.	2.6	32
58	ECG Signal Denoising and Features Extraction Using Unbiased FIR Smoothing. BioMed Research International, 2019, 2019, 1-16.	0.9	31
59	Object Tracking Over Distributed WSNs With Consensus on Estimates and Missing Data. IEEE Access, 2019, 7, 39448-39458.	2.6	12
60	Optimal and Unbiased Filtering With Colored Process Noise Using State Differencing. IEEE Signal Processing Letters, 2019, 26, 548-551.	2.1	26
61	Procedure for Removing Artifacts from EMG Signals Envelope Assuming CMN. , 2019, , .		0
62	Comparison between CNA Estimators and WGS technology based on the Refinement of Breakpoints using the Confidence Masks. , 2019, , .		0
63	ECG Signals Denoising and Features Extraction by Applying UFIR Smoothing with Optimal q -Lag in the State Space. , 2019, , .		0
64	Correcting estimates of DNA CNAs using improved confidence masks tuned to gold standard. IET Signal Processing, 2019, 13, 464-471.	0.9	1
65	Viewing sector optimisation for indoor localisation using multi-iteration with unilateral nodes deployment. IET Wireless Sensor Systems, 2019, 9, 151-157.	1.3	1
66	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
67	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
68	Matching Confidence Masks with Experts Annotations for Estimates of Chromosomal Copy Number Alterations. Lecture Notes in Computer Science, 2018, , 85-94.	1.0	1
69	Iterative Maximum Likelihood FIR Estimation of Dynamic Systems With Improved Robustness. IEEE/ASME Transactions on Mechatronics, 2018, 23, 1467-1476.	3.7	16
70	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
71	Adaptive-Horizon Iterative UFIR Filtering Algorithm With Applications. IEEE Transactions on Industrial Electronics, 2018, 65, 6393-6402.	5.2	30
72	Further Results on Induced $\ \cdot \ _{\infty}$ RH FIR Filtering. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1124-1128.	2.2	1

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73	Online H_{∞} and H_2 Performances of the Continuous-Time Deadbeat H_{∞} Filter. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1798-1802.	2.2	8
74	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
75	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
76	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
77	A Revisit to Strictly Passive FIR Filtering. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 516-520.	2.2	3
78	Fiducial Features Extraction for ECG Signals using State-Space Unbiased FIR Smoothing. , 2018, , .		2
79	GPS-based Tracking over WSNs with Delayed and Missing Data using UFIR Filtering. MATEC Web of Conferences, 2018, 210, 05002.	0.1	1
80	ECG Signals Denoising in State Space using UFIR Filtering for Features Extraction. , 2018, , .		1
81	Jitter Approximation and Confidence Masks in Simulated SCNA Using AEP Distribution. Lecture Notes in Computer Science, 2018, , 326-337.	1.0	0
82	Design of Blind Robust Estimator for Smart Sensors. Lecture Notes in Computer Science, 2018, , 354-365.	1.0	2
83	Comparing Robustness of the Kalman, H_{∞} and H_2 Filters, and UFIR Filters. IEEE Transactions on Signal Processing, 2018, 66, 3447-3458.	3.2	65
84	Robust and accurate UWB-based indoor robot localisation using integrated EKF/EFIR filtering. IET Radar, Sonar and Navigation, 2018, 12, 750-756.	0.9	39
85	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
86	Fast Kalman-like optimal FIR filter for time-variant systems with improved robustness. ISA Transactions, 2018, 80, 160-168.	3.1	10
87	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
88	Receding-Horizon H_2 FIR Filter With Embedded Deadbeat Property. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 211-215.	2.2	26
89	Distributed Unbiased FIR Filtering With Average Consensus on Measurements for WSNs. IEEE Transactions on Industrial Informatics, 2017, 13, 1440-1447.	7.2	39
90	Blind Robust Estimation With Missing Data for Smart Sensors Using UFIR Filtering. IEEE Sensors Journal, 2017, 17, 1819-1827.	2.4	23

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91	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
92	On the Iterative Computation of Error Matrix in Unbiased FIR Filtering. IEEE Signal Processing Letters, 2017, 24, 555-558.	2.1	12
93	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
94	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
95	Bayesian state estimation on finite horizons: The case of linear state-space model. Automatica, 2017, 85, 91-99.	3.0	22
96	UWB-Based Indoor Human Localization With Time-Delayed Data Using EFIR Filtering. IEEE Access, 2017, 5, 16676-16683.	2.6	89
97	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
98	Accurate and Reliable Human Localization Using Composite Particle/FIR Filtering. IEEE Transactions on Human-Machine Systems, 2017, 47, 332-342.	2.5	45
99	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
100	Continuous-Time Deadbeat H_2 FIR Filter. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 987-991.	2.2	16
101	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
102	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
103	Unbiased FIR denoising of ECG signals. , 2017, , .		6
104	Jitter representation in SCNA breakpoints using asymmetric exponential power distribution. , 2017, , .		2
105	Approximation of Jitter probability in the breakpoints using AEP distribution and confidence masks of SCNA. , 2017, , .		0
106	Design of an unbiased finite impulse response filter for a smart sensor to estimate state of CO concentration. , 2017, , .		0
107	Unbiased FIR denoising of ECG data for features extraction. , 2017, , .		0
108	Features Extraction from ECG Signals Using Unbiased FIR Filtering. , 2017, , .		0

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109	Design of blind distributed UFIR filter based on average consensus for WSNs. , 2016, , .		0
110	Improving robustness of distributed filtering for sensor networks using FIR filtering. , 2016, , .		0
111	Improving approximation of jitter probability in the breakpoints of simulated copy number alterations. , 2016, , .		1
112	Ultimate iterative UFIR filtering algorithm. Measurement: Journal of the International Measurement Confederation, 2016, 92, 236-242.	2.5	32
113	Unified Maximum Likelihood Form for Bias Constrained FIR Filters. IEEE Signal Processing Letters, 2016, 23, 1848-1852.	2.1	20
114	Unbiased, optimal, and in-between: the trade-off in discrete finite impulse response filtering. IET Signal Processing, 2016, 10, 325-334.	0.9	14
115	Fast Kalman-Like Optimal Unbiased FIR Filtering With Applications. IEEE Transactions on Signal Processing, 2016, 64, 2284-2297.	3.2	124
116	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
117	Effect of embedded unbiasedness on discrete-time optimal FIR filtering estimates. Eurasip Journal on Advances in Signal Processing, 2015, 2015, .	1.0	7
118	Improving state estimates over finite data using optimal FIR filtering with embedded unbiasedness. , 2015, , .		0
119	New results in nonlinear state estimation using extended unbiased fir filtering. , 2015, , .		1
120	An Algorithm for Bounding Error in Estimates of Genome Copy Number Variations Using SNP Array Technology. , 2015, , .		1
121	Minimum variance unbiased FIR filter for discrete time-variant systems. Automatica, 2015, 53, 355-361.	3.0	75
122	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
123	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
124	Algorithmic innovations in extended unbiased FIR filtering of nonlinear models. , 2015, , .		1
125	Unbiased FIR smoother for discrete time-variant systems with backward structure. , 2015, , .		0
126	Fast Computation of Discrete Optimal FIR Estimates in White Gaussian Noise. IEEE Signal Processing Letters, 2015, 22, 718-722.	2.1	53

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127	A generalized algorithm for nonlinear state estimation using extended UFIR filtering. , 2014, , .		0
128	Optimal FIR estimator for discrete time-variant state-space model. , 2014, , .		0
129	Triangulation-based indoor robot localization using extended FIR/Kalman filtering. , 2014, , .		2
130	Adapting horizon size in finite impulse response filtering through switching extensible FIR filter bank. , 2014, , .		0
131	Accurate Self-Localization in RFID Tag Information Grids Using FIR Filtering. IEEE Transactions on Industrial Informatics, 2014, 10, 1317-1326.	7.2	80
132	Optimal Memory for Discrete-Time FIR Filters in State-Space. IEEE Transactions on Signal Processing, 2014, 62, 557-561.	3.2	109
133	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
134	Embedded microcontroller using GPS as a security resource for disabled people. , 2014, , .		0
135	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
136	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
137	Iterative unbiased FIR state estimation: a review of algorithms. Eurasip Journal on Advances in Signal Processing, 2013, 2013, .	1.0	47
138	Unified forms for Kalman and finite impulse response filtering and smoothing. Automatica, 2013, 49, 1892-1899.	3.0	64
139	A new class of discrete orthogonal polynomials for blind fitting of finite data. , 2013, , .		3
140	Approximate jitter probability in the breakpoints of genome copy number variations. , 2013, , .		6
141	Iterative algorithms for unbiased FIR state estimation in discrete time. , 2013, , .		1
142	Toward to Recurrent Form of the Impulse Response of UFIR Filters. Procedia Technology, 2013, 7, 111-117.	1.1	2
143	A new class of discrete orthogonal polynomials for blind fitting of finite data. Signal Processing, 2013, 93, 1785-1793.	2.1	21
144	Time-variant forward-backward FIR denoising of piecewise-smooth signals. AEU - International Journal of Electronics and Communications, 2013, 67, 406-413.	1.7	8

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145	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
146	A forward-backward UFIR algorithm for denoising of piecewise-smooth signals. , 2013, , .		0
147	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
148	Optimal estimation of hybrid models in state-space with FIR structures. , 2012, , .		0
149	Peak-pulse detection error probability for RFID saw-tags with pulse position coding. , 2012, , .		2
150	Suboptimal FIR Filtering of Nonlinear Models in Additive White Gaussian Noise. IEEE Transactions on Signal Processing, 2012, 60, 5519-5527.	3.2	79
151	Studies of optimal memory for discrete-time fir filters in state-space. , 2012, , .		2
152	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
153	A new recursive scheme of the unbiased FIR filter to image processing. Procedia Engineering, 2012, 35, 202-209.	1.2	10
154	Extended UFIR filtering of nonlinear models corrupted by white Gaussian noise. , 2012, , .		0
155	Computationally Efficient FIR Filtering of Polynomial Signals in DFT Domain. Circuits, Systems, and Signal Processing, 2012, 31, 2153-2166.	1.2	3
156	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
157	Timeâ€variant linear optimal finite impulse response estimator for discrete stateâ€space models. International Journal of Adaptive Control and Signal Processing, 2012, 26, 95-104.	2.3	64
158	Implementation of Digital Unbiased FIR Filters with Polynomial Impulse Responses. Circuits, Systems, and Signal Processing, 2012, 31, 611-626.	1.2	7
159	A Linear Optimal Transversal Filter for Time-Varying Receiver Channels. IEEE Transactions on Aerospace and Electronic Systems, 2012, 48, 1703-1712.	2.6	0
160	Error probability for RFID SAW tags with pulse position coding and peak-pulse detection. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 2528-36.	1.7	0
161	Clock current state estimation with a Kalman-like algorithm employing measurement of time errors. , 2011, , .		1
162	Noise Power Gain for Discrete-Time FIR Estimators. IEEE Signal Processing Letters, 2011, 18, 207-210.	2.1	26

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163	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
164	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
165	Noise power gain as a measure of errors in discrete-time transversal estimators. , 2011, , .		0
166	Smoothing fir filtering of discrete state-space polynomial signal models. , 2011, , .		0
167	An Iterative Kalman-Like Algorithm Ignoring Noise and Initial Conditions. IEEE Transactions on Signal Processing, 2011, 59, 2465-2473.	3.2	183
168	A Kalman-like algorithm with no requirements for noise and initial conditions. , 2011, , .		0
169	Thresholds for the identification of wireless SAW RFID-tags with ASK. , 2010, , .		2
170	Studies of optimal FIR estimator of clock state employing measurement of time errors. , 2010, , .		0
171	Optimal and unbiased fir estimates of clock state for space and ground applications. , 2010, , .		0
172	FIR Smoothing of Discrete-Time Polynomial Signals in State Space. IEEE Transactions on Signal Processing, 2010, 58, 2544-2555.	3.2	59
173	Linear Optimal FIR Estimation of Discrete Time-Invariant State-Space Models. IEEE Transactions on Signal Processing, 2010, 58, 3086-3096.	3.2	159
174	Studies of discrete-time unbiased FIR filters of polynomial state-space models. , 2010, , .		0
175	Moving Average Hybrid Filter to the Enhancing Ultrasound Image Processing. IEEE Latin America Transactions, 2010, 8, 9-16.	1.2	9
176	Thresholds for the Identification of Commercial Wireless SAW ID-Tags. , 2010, , .		1
177	Efficient predictive steering of local clocks in GPS-based timekeeping. , 2009, , .		3
178	Drift errors in passive remote wireless SAW sensing with multiple DPM. , 2009, , .		1
179	Drift Errors in Passive Remote Wireless SAW Sensing With Multiple DPM. IEEE Sensors Journal, 2009, 9, 774-781.	2.4	5
180	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

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181	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
182	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
183	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
184	Unbiased FIR Filtering of Discrete-Time Polynomial State-Space Models. IEEE Transactions on Signal Processing, 2009, 57, 1241-1249.	3.2	78
185	Linear unbiased prediction of clock errors. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2009, 56, 2027-2029.	1.7	10
186	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
187	Optimal horizons for a one-parameter family of unbiased FIR filters. , 2008, 18, 739-750.		40
188	Estimation of the clock TIE state space model using a thinning unbiased FIR filtering algorithm. , 2008, , .		1
189	A holdover algorithm for applications in GPS-based clock synchronization. , 2008, , .		0
190	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
191	Optimal FIR filtering of the clock time errors. Metrologia, 2008, 45, 571-576.	0.6	21
192	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
193	<title>A probabilistic analysis of the crystal oscillator behavior at low drive levels</title>. Proceedings of SPIE, 2008, , .	0.8	0
194	<title>Approximate estimates of errors in wireless SAW sensing with DPM</title>. , 2008, , .		0
195	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
196	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
197	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
198	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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199	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
200	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
201	Experimental Comparison of the Unbiased FIR Estimates vs. the Sawtooth Correction in GPS-based Timekeeping. , 2006, , .		3
202	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
203	Investigation of an Optimum Sampling Interval for a Local Clock TIE Model with an Unbiased FIR Filtering Algorithm. , 2006, , .		9
204	A Stochastic Model of "Sleeping Sickness" of Crystal Oscillators. , 2006, , .		0
205	Statistical Modeling of Remote Wireless SAW Sensing with Multiple DPM Employing Tikhonov Distribution. , 2006, , .		0
206	An unbiased fir filter for a polynomial model in presence of noise of arbitrary distribution. , 2006, , .		0
207	Von Mises/Tikhonov-based distributions for systems with differential phase measurement. Signal Processing, 2005, 85, 693-703.	2.1	23
208	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
209	One-port noise model of a crystal oscillator. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2004, 51, 25-32.	1.7	13
210	Limiting Phase Errors of Passive Wireless SAW Sensing With Differential Measurement. IEEE Sensors Journal, 2004, 4, 819-827.	2.4	23
211	The noise conversion method for oscillatory systems. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2004, 51, 948-956.	1.7	4
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