

Peter K Willett

List of Publications by Year in descending order

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332
papers

7,635
citations

61857

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76769

74
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334
all docs

334
docs citations

334
times ranked

4083
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust Mode Space Detection in Uncertain Shallow Water With Incomplete Mode Sampling. IEEE Journal of Oceanic Engineering, 2022, 47, 201-212.	2.1	1
2	Bayesian Filtering for Dynamic Anomaly Detection and Tracking. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 1528-1544.	2.6	9
3	Maritime Anomaly Detection in a Real-World Scenario: <i>Ever Given</i> Grounding in the Suez Canal. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 13904-13910.	4.7	17
4	Cooperative Localization and Multitarget Tracking in Agent Networks with the Sum-Product Algorithm. IEEE Open Journal of Signal Processing, 2022, 3, 169-195.	2.3	10
5	The Data/Identity Tradeoff with Censored Sensors. , 2022, , .		1
6	Transient Detection with Unknown Statistics Via Source Coding. , 2022, , .		0
7	Multipath Data Fusion With Recursive ML-PDA and Generative ML-PMHT for VLO Targets in Underwater Environment. IEEE Journal of Oceanic Engineering, 2022, 47, 1041-1057.	2.1	1
8	Approximate containment relation between mode spaces in uncertain shallow water. Applied Acoustics, 2021, 171, 107545.	1.7	1
9	A Sequential Target Existence Statistic for Joint Probabilistic Data Association. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 371-381.	2.6	11
10	Measurement Extraction of Two Targets With Unequal and Unknown Intensities in an FPA. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 437-447.	2.6	3
11	Optimal Opponent Stealth Trajectory Planning Based on an Efficient Optimization Technique. IEEE Transactions on Signal Processing, 2021, 69, 270-283.	3.2	5
12	Application of Hidden Markov Models to Analyze, Group and Visualize Spatio-Temporal COVID-19 Data. IEEE Access, 2021, 9, 134384-134401.	2.6	5
13	Decision support for the quickest detection of critical COVID-19 phases. Scientific Reports, 2021, 11, 8558.	1.6	10
14	Target Tracking Applied to Extraction of Multiple Evolving Threats From a Stream of Surveillance Data. IEEE Transactions on Computational Social Systems, 2021, 8, 434-450.	3.2	5
15	Target Detection from Distributed Passive Sensors: Semi-Labeled Data Quantization. , 2021, , .		3
16	Malicious AIS Spoofing and Abnormal Stealth Deviations: A Comprehensive Statistical Framework for Maritime Anomaly Detection. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 2093-2108.	2.6	22
17	COVID-19 impact on global maritime mobility. Scientific Reports, 2021, 11, 18039.	1.6	77
18	Space-Based Global Maritime Surveillance. Part II: Artificial Intelligence and Data Fusion Techniques. IEEE Aerospace and Electronic Systems Magazine, 2021, 36, 30-42.	2.3	14

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19	Space-Based Global Maritime Surveillance. Part I: Satellite Technologies. IEEE Aerospace and Electronic Systems Magazine, 2021, 36, 8-28.	2.3	21
20	Deep Learning Methods for Vessel Trajectory Prediction Based on Recurrent Neural Networks. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 4329-4346.	2.6	82
21	Quickest Detection of COVID-19 Pandemic Onset. IEEE Signal Processing Letters, 2021, 28, 683-687.	2.1	12
22	Quickest Detection and Forecast of Pandemic Outbreaks: Analysis of COVID-19 Waves. IEEE Communications Magazine, 2021, 59, 16-22.	4.9	13
23	MAST: A Quickest Detection Procedure for COVID-19 Epidemiological Data to Trigger Strategic Decisions. , 2021, , .		0
24	Maritime Anomaly Detection of Malicious Data Spoofing and Stealth Deviations from Nominal Route Exploiting Heterogeneous Sources of Information. , 2021, , .		1
25	Sensors Localization and Target Tracking in Underwater Environment via Belief Propagation. , 2021, , .		2
26	Uncertainty-Aware Recurrent Encoder-Decoder Networks for Vessel Trajectory Prediction. , 2021, , .		7
27	Track Coalescence and Repulsion: MHT, JPDA, and BP. , 2021, , .		8
28	Single Space Based Sensor Bias Estimation Using a Single Target of Opportunity. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 1676-1684.	2.6	6
29	CRLB for Estimating Time-Varying Rotational Biases in Passive Sensors. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 343-355.	2.6	8
30	Bias CRLB in Sine Space for a Three-Dimensional Sensor. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 673-686.	2.6	3
31	Analytical Models for the Electromagnetic Scattering From Isolated Targets in Bistatic Configuration: Geometrical Optics Solution. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 861-880.	2.7	16
32	Adaptive Bayesian Learning and Forecasting of Epidemic Evolutionâ€”Data Analysis of the COVID-19 Outbreak. IEEE Access, 2020, 8, 175244-175264.	2.6	29
33	Making Decisions by Unlabeled Bits. IEEE Transactions on Signal Processing, 2020, , 1-1.	3.2	5
34	Estimation of the Support Parameters of a Uniform PDF and the CramÃ©r-Rao-Leibniz Lower Bound. IEEE Signal Processing Letters, 2020, 27, 1765-1768.	2.1	1
35	Random Finite Set Tracking for Anomaly Detection in the Presence of Clutter. , 2020, , .		6
36	Prediction of Vessel Trajectories From AIS Data Via Sequence-To-Sequence Recurrent Neural Networks. , 2020, , .		40

#	ARTICLE	IF	CITATIONS
37	Simulation-Based Feasibility Analysis of Ship Detection Using GNSS-R Delay-Doppler Maps. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 1385-1399.	2.3	11
38	A Convenient Analytical Framework for Electromagnetic Scattering From Composite Targets. Radio Science, 2019, 54, 785-807.	0.8	10
39	Anomaly Detection and Tracking Based on Mean-Field Reverting Processes with Unknown Parameters. , 2019, , .		14
40	Making Decisions with Shuffled Bits. , 2019, , .		7
41	Estimation of a Random Feedback Control System With Unknown Input. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 3466-3478.	2.6	4
42	Algorithms and Fundamental Limits for Unlabeled Detection Using Types. IEEE Transactions on Signal Processing, 2019, 67, 2022-2035.	3.2	16
43	An Industry and Government Perspective on Challenges and Open Problems in Signal Processing [SP Forum]. IEEE Signal Processing Magazine, 2019, 36, 125-131.	4.6	2
44	Measurement Extraction for Two Closely-Spaced Objects Using an Imaging Sensor. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 2965-2977.	2.6	4
45	Shuffled Bits in the Low-Detectability Regime. , 2019, , .		5
46	Estimation for a Thrusting/Ballistic Object With Mass Ejection From a Single Fixed Passive Sensor With Delayed Acquisition. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 2786-2795.	2.6	3
47	Preamble Detection for Underwater Acoustic Communications Based on Sparse Channel Identification. IEEE Journal of Oceanic Engineering, 2019, 44, 256-268.	2.1	24
48	Converted Measurement Sigma Point Kalman Filter for Bistatic Sonar and Radar Tracking. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 147-159.	2.6	27
49	CRLB for multi-sensor rotational bias estimation for passive sensors without target state estimation. , 2019, , .		2
50	Resource Allocation in Energy-Harvesting Sensor Networks. IEEE Transactions on Signal and Information Processing Over Networks, 2018, 4, 585-598.	1.6	6
51	Social Sensing With Minimal Resources: Profiling Agents by Simply Knowing How to Count. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 629-641.	2.6	3
52	Efficient Estimation of a Thrusting/Ballistic Trajectory Using a Single Passive Sensor. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 3143-3149.	2.6	6
53	Performance of Mode Space Detector in Uncertain Shallow Water and Its Robust Realization. IEEE Journal of Oceanic Engineering, 2018, 43, 131-144.	2.1	8
54	Tracking Initially Unresolved Thrusting Objects Using an Optical Sensor. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 794-807.	2.6	6

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55	Bound on the Estimation of a 3-D Trajectory from a Stationary Passive Sensor and its Attainability. , 2018, , .		2
56	Detecting Anomalous Deviations From Standard Maritime Routes Using the Ornsteinâ€Uhlenbeck Process. IEEE Transactions on Signal Processing, 2018, 66, 6474-6487.	3.2	36
57	Spaceborne GNSS-Reflectometry for Ship-Detection Applications: Impact of Acquisition Geometry and Polarization. , 2018, , .		8
58	Modeling and Detection of Evolving Threats Using Random Finite Set Statistics. , 2018, , .		3
59	Maritime Surveillance Using Spaceborne GNSS-Reflectometry: The Role of the Scattering Configuration and Receiving Polarization Channel. , 2018, , .		3
60	Underwater Acoustic Channel Tracking by Multi-Bernoulli Filter. , 2018, , .		3
61	Tracking Multiple Evolving Threats with Cluttered Surveillance Observations. , 2018, , .		3
62	Correlation of Gaussian Mixture Tracks. , 2018, , .		1
63	Highlights from the Sensor Array and Multichannel Technical Committee: Spotlight on the IEEE Signal Processing Society Technical Committees [In the Spotlight]. IEEE Signal Processing Magazine, 2018, 35, 183-185.	4.6	1
64	Unsupervised Maritime Traffic Graph Learning with Mean-Reverting Stochastic Processes. , 2018, , .		3
65	Maritime Anomaly Detection Based on Mean-Reverting Stochastic Processes Applied to a Real-World Scenario. , 2018, , .		19
66	Measurement Extraction for a Point Target From an Optical Sensor. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 2735-2745.	2.6	9
67	Resolution Limits for Tracking Closely Spaced Targets. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 2900-2910.	2.6	7
68	Observability of a Thrusting/Ballistic Trajectory in 3-D From a Single Fixed Passive Sensor. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 2971-2979.	2.6	6
69	Signal Amplitude Estimation and Detection From Unlabeled Binary Quantized Samples. IEEE Transactions on Signal Processing, 2018, 66, 4291-4303.	3.2	31
70	Multiple Ornsteinâ€Uhlenbeck Processes for Maritime Traffic Graph Representation. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 2158-2170.	2.6	49
71	CRLB for estimation of 3D sensor biases in spherical coordinates. , 2018, , .		2
72	Notice of Retraction: Nonlinear Observation Models With Additive Gaussian Noises and Efficient MLEs. IEEE Signal Processing Letters, 2017, 24, 545-549.	2.1	10

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73	The Multidimensional Cram�r-Rao-Leibniz Lower Bound for Likelihood Functions With Parameter-Dependent Support. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 2331-2343.	2.6	7
74	Tracking initially unresolved thrusting objects in 3D using a single stationary optical sensor. , 2017, , .		0
75	Passive ranging using signal intensity observations from a single fixed sensor. Proceedings of SPIE, 2017, , .	0.8	1
76	Symmetrizing measurement equations for association-free multi-target tracking via point set distances. , 2017, , .		1
77	Generalized Rao Test for Decentralized Detection of an Uncooperative Target. IEEE Signal Processing Letters, 2017, 24, 678-682.	2.1	134
78	Tracking of streaking targets in video frames. , 2017, , .		5
79	Model performance assessment for long-term vessel prediction using HFSW radar data. , 2017, , .		3
80	Online Anomaly Detection in Big Data: The First Line of Defense Against Intruders. Studies in Big Data, 2017, , 83-107.	0.8	2
81	A Scalable Algorithm for Tracking an Unknown Number of Targets Using Multiple Sensors. IEEE Transactions on Signal Processing, 2017, 65, 3478-3493.	3.2	145
82	Random finite set particle filter for source enumeration and direction-of-arrival tracking using sonar arrays. , 2017, , .		0
83	Performance Assessment of Vessel Dynamic Models for Long-Term Prediction Using Heterogeneous Data. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 6533-6546.	2.7	20
84	Statistically Efficient Passive Ranging Using Signal Intensity Observations From a Single Fixed Sensor. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 2806-2813.	2.6	3
85	Multidimensional Cram�r-Rao-Leibniz lower bound for vector-measurement-based likelihood functions with parameter-dependent support. , 2017, , .		0
86	EM approach for tracking star-convex extended objects. , 2017, , .		7
87	Simultaneous target state and sensor bias estimation: Is more better?. , 2017, , .		1
88	Motion parameter estimation of a thrusting/ballistic object from a single fixed passive sensor with delayed acquisition. , 2017, , .		4
89	An EM approach for contour tracking based on point clouds. , 2016, , .		4
90	A simple counting estimator of network agents' behaviors: Asymptotics. , 2016, , .		1

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91	Multistatic Bayesian extended target tracking. IEEE Transactions on Aerospace and Electronic Systems, 2016, 52, 2626-2643.	2.6	28
92	On parameter estimation of a swerling IV target with Gaussian receiver noise. , 2016, , .		1
93	Modeling vessel kinematics using a stochastic mean-reverting process for long-term prediction. IEEE Transactions on Aerospace and Electronic Systems, 2016, 52, 2313-2330.	2.6	79
94	Multisensor adaptive bayesian tracking under time-varying target detection probability. IEEE Transactions on Aerospace and Electronic Systems, 2016, 52, 2193-2209.	2.6	35
95	Doppler-aided localization of mobile nodes in an underwater distributed antenna system. Physical Communication, 2016, 18, 49-59.	1.2	14
96	Consistent Estimation of Randomly Sampled Ornstein-Uhlenbeck Process Long-Run Mean for Long-Term Target State Prediction. IEEE Signal Processing Letters, 2016, 23, 1562-1566.	2.1	28
97	Detectability prediction of hidden Markov models with cluttered observation sequences. , 2016, , .		0
98	Trackability: resolvability of two closely-spaced targets. Proceedings of SPIE, 2016, , .	0.8	0
99	Multi-Bernoulli filtering for initially unresolved targets in clutter. Proceedings of SPIE, 2016, , .	0.8	2
100	Asymmetric Threat Modeling Using HMMs: Bernoulli Filtering and Detectability Analysis. IEEE Transactions on Signal Processing, 2016, 64, 2587-2601.	3.2	11
101	PMHT Approach for Underwater Bearing-Only Multisensor Multitarget Tracking in Clutter. IEEE Journal of Oceanic Engineering, 2016, 41, 831-839.	2.1	19
102	Approximate Multi-Hypothesis Multi-Bernoulli Multi-Object Filtering Made Multi-Easy. IEEE Transactions on Signal Processing, 2016, 64, 1784-1797.	3.2	16
103	The Effect of K-Distributed Clutter on Trackability. IEEE Transactions on Signal Processing, 2016, 64, 475-484.	3.2	7
104	MMOSPA estimation with unknown number of objects. , 2015, , .		1
105	A Bernoulli filter approach to detection and estimation of hidden Markov models using cluttered observation sequences. , 2015, , .		3
106	IMM Without a match. , 2015, , .		2
107	Systematic approach to IMM mixing for unequal dimension states. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 2975-2986.	2.6	29
108	Polynomial-Time Algorithms for the Exact MMOSPA Estimate of a Multi-Object Probability Density Represented by Particles. IEEE Transactions on Signal Processing, 2015, 63, 2476-2484.	3.2	7

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109	On Wasserstein Barycenters and MMOSPA Estimation. IEEE Signal Processing Letters, 2015, 22, 1511-1515.	2.1	20
110	Multistatic target tracking for passive radar in a DAB/DVB network: initiation. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 2460-2469.	2.6	27
111	Sensor Network Tomography: The Revenge of the Detected. IEEE Transactions on Signal Processing, 2015, 63, 4329-4338.	3.2	4
112	Adaptive Bayesian tracking with unknown time-varying sensor network performance. , 2015, , .		7
113	Localization of Mobile Nodes in an Underwater Distributed Antenna System. , 2014, , .		6
114	How many bits from how many sensors? A trade-off in distributed nearest-neighbor learning. , 2014, , .		0
115	A hybrid data association model for efficient multi-target maximum likelihood estimation. , 2014, , .		1
116	Extreme-value analysis for ML-PMHT, Part 1: threshold determination. IEEE Transactions on Aerospace and Electronic Systems, 2014, 50, 2500-2514.	2.6	15
117	Estimation of thrusting trajectories in 3D from a single fixed passive sensor. IEEE Transactions on Aerospace and Electronic Systems, 2014, 50, 2096-2108.	2.6	16
118	Extreme-value analysis for mlML-PMHT, Part 2: target trackability. IEEE Transactions on Aerospace and Electronic Systems, 2014, 50, 2515-2527.	2.6	13
119	Secure multi-party consensus gossip algorithms. , 2014, , .		20
120	Optimal asset network planning for counter piracy operation support, part 1: Under the hood. IEEE Aerospace and Electronic Systems Magazine, 2014, 29, 4-11.	2.3	4
121	A comparison of multiple-IMM estimation approaches using EKF, UKF, and PF for impact point prediction. Proceedings of SPIE, 2014, , .	0.8	0
122	Advancement of an algorithm. , 2014, , .		4
123	ML-PMHT track detection threshold determination for K-distributed clutter. , 2014, , .		1
124	Tracking filter initialization with Doppler-biased multistatic time-of-arrival measurements. Proceedings of SPIE, 2014, , .	0.8	0
125	Progressive intercarrier and cochannel interference mitigation for underwater acoustic multi-input multi-output orthogonal frequency-division multiplexing. Wireless Communications and Mobile Computing, 2014, 14, 321-338.	0.8	8
126	MMOSPA-based direction-of-arrival estimation for planar antenna arrays. , 2014, , .		4

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127	ML-PMHT and ML-PDA: Comparing Multistatic Sonar Trackers for VLO Targets Using a New Multitarget Implementation. IEEE Journal of Oceanic Engineering, 2014, 39, 303-317.	2.1	25
128	Approaches to Cartesian Data Association Passive Radar Tracking in a DAB/DVB Network. IEEE Transactions on Aerospace and Electronic Systems, 2014, 50, 649-663.	2.6	41
129	Decorrelated unbiased converted measurement Kalman filter. IEEE Transactions on Aerospace and Electronic Systems, 2014, 50, 1431-1444.	2.6	94
130	Impact Point Prediction for Thrusting Projectiles in the Presence of Wind. IEEE Transactions on Aerospace and Electronic Systems, 2014, 50, 102-119.	2.6	24
131	Bayesian Tracking in Underwater Wireless Sensor Networks With Port-Starboard Ambiguity. IEEE Transactions on Signal Processing, 2014, 62, 1864-1878.	3.2	69
132	MMOSPA-based track extraction in the PHD filter - a justification for k-means clustering. , 2014, , .		3
133	Estimability of thrusting trajectories in 3D from a single passive sensor. Proceedings of SPIE, 2013, , .	0.8	4
134	Dominant-plus-Rayleigh Models for RCS: Swerling III/IV versus Rician. IEEE Transactions on Aerospace and Electronic Systems, 2013, 49, 2058-2064.	2.6	16
135	The ML-PMHT Multistatic Tracker for Sharply Maneuvering Targets. IEEE Transactions on Aerospace and Electronic Systems, 2013, 49, 2235-2249.	2.6	13
136	Nearest-Neighbor Distributed Learning by Ordered Transmissions. IEEE Transactions on Signal Processing, 2013, 61, 5217-5230.	3.2	20
137	One-Bit Decentralized Detection With a Rao Test for Multisensor Fusion. IEEE Signal Processing Letters, 2013, 20, 861-864.	2.1	72
138	Asynchronous Multiuser Reception for OFDM in Underwater Acoustic Communications. IEEE Transactions on Wireless Communications, 2013, 12, 1050-1061.	6.1	43
139	ML-PMHT threshold determination for false track probability using extreme-value analysis. , 2013, , .		0
140	Asymptotic Efficiency of the PHD in Multitarget/Multisensor Estimation. IEEE Journal on Selected Topics in Signal Processing, 2013, 7, 553-564.	7.3	41
141	Nearest-Neighbor distributed learning under communication constraints. , 2013, , .		2
142	A linear complexity particle approach to the exact multi-sensor PHD. , 2013, , .		10
143	Performance analysis of the converted range rate and position linear Kalman filter. , 2013, , .		10
144	Particle PHD forward filter-backward simulator for targets in close proximity. , 2013, , .		0

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145	Can you track the tracker?. , 2013, , .		0
146	Localization with Doppler biased TOAS: An ill-conditioned problem. , 2013, , .		3
147	Dynamic block-cycling over a linear network in underwater acoustic channels. , 2012, , .		2
148	Parameterized Cancellation of Partial-Band Partial-Block-Duration Interference for Underwater Acoustic OFDM. IEEE Transactions on Signal Processing, 2012, 60, 1782-1795.	3.2	46
149	The Multiple Model CPHD Tracker. IEEE Transactions on Signal Processing, 2012, 60, 1741-1751.	3.2	36
150	Consistent linear tracker with position and range rate measurements. , 2012, , .		11
151	Unbiased tracking with converted measurements. , 2012, , .		28
152	Clustered Adaptation for Estimation of Time-Varying Underwater Acoustic Channels. IEEE Transactions on Signal Processing, 2012, 60, 3079-3091.	3.2	50
153	MIMO radar detection with heterogeneous propagation losses. , 2012, , .		5
154	Optimal power allocation for MIMO radars with heterogeneous propagation losses. , 2012, , .		16
155	Distributed detection with a scan statistic: Global to local inference. , 2012, , .		3
156	Underwater Localization and Tracking of Physical Systems. Journal of Electrical and Computer Engineering, 2012, 2012, 1-11.	0.6	22
157	A Practical Joint Network-Channel Coding Scheme for Reliable Communication in Wireless Networks. IEEE Transactions on Wireless Communications, 2012, 11, 2084-2094.	6.1	28
158	Some Analysis of the LPI Concept for Active Sonar. IEEE Journal of Oceanic Engineering, 2012, 37, 446-455.	2.1	6
159	On Fisher Information Reduction for Range-Only Localization with Imperfect Detection. IEEE Transactions on Aerospace and Electronic Systems, 2012, 48, 3694-3702.	2.6	20
160	Asynchronous multiuser reception for OFDM in underwater acoustic communications. , 2012, , .		4
161	A Multiple IMM Estimation Approach with Unbiased Mixing for Thrusting Projectiles. IEEE Transactions on Aerospace and Electronic Systems, 2012, 48, 3250-3267.	2.6	49
162	Linear local data fusion for sequential test. , 2012, , .		0

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163	RFS MCMC Predetection Fusion Applied to Multistatic Sonar Data. IEEE Transactions on Aerospace and Electronic Systems, 2012, 48, 2894-2907.	2.6	1
164	Range bias modeling for hyperbolic frequency modulated waveforms in target tracking. , 2012, , .		1
165	Jammer detection and estimation with MIMO radar. , 2012, , .		3
166	The power game between a MIMO radar and jammer. , 2012, , .		4
167	Bias elimination in tracking with converted position and Doppler measurements. , 2012, , .		3
168	Classification aided cardinalized probability hypothesis density filter. Proceedings of SPIE, 2012, , .	0.8	4
169	A fast coalescence-avoiding JPDAF. , 2012, , .		6
170	The MIMO Radar and Jammer Games. IEEE Transactions on Signal Processing, 2012, 60, 687-699.	3.2	144
171	Predetection Fusion With Doppler Measurements and Amplitude Information. IEEE Journal of Oceanic Engineering, 2012, 37, 56-65.	2.1	10
172	Active Detection With a Barrier Sensor Network Using a Scan Statistic. IEEE Journal of Oceanic Engineering, 2012, 37, 66-74.	2.1	24
173	Comments on "Closed-Form Four-Channel Monopulse Two-Target Resolution". IEEE Transactions on Aerospace and Electronic Systems, 2012, 48, 913-916.	2.6	14
174	Developing a Real-Time Track Display That Operators Do Not Hate. IEEE Transactions on Signal Processing, 2011, 59, 3441-3447.	3.2	30
175	Detection performance for statistical MIMO radar with identical and orthogonal waveforms. , 2011, , .		8
176	Aspects of MMOSPA estimation. , 2011, , .		9
177	Per-cluster-prediction based sparse channel estimation for multicarrier underwater acoustic communications. , 2011, , .		5
178	Identity variance for multi-object estimation. Proceedings of SPIE, 2011, , .	0.8	1
179	Progressive Inter-Carrier Interference Equalization for OFDM Transmission Over Time-Varying Underwater Acoustic Channels. IEEE Journal on Selected Topics in Signal Processing, 2011, 5, 1524-1536.	7.3	90
180	Simplification of the Dynamic Cram�r-Rao Bound for Target Tracking in Clutter. IEEE Transactions on Aerospace and Electronic Systems, 2011, 47, 1481-1482.	2.6	6

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181	Consensus-based Page's test in sensor networks. <i>Signal Processing</i> , 2011, 91, 919-930.	2.1	34
182	Maximum likelihood probabilistic multi-hypothesis tracker applied to multistatic sonar data sets. , 2011, , .		10
183	Parameterized cancellation of partial-band partial-block-duration interference for underwater acoustic OFDM. , 2011, , .		1
184	Set JPDA Filter for Multitarget Tracking. <i>IEEE Transactions on Signal Processing</i> , 2011, 59, 4677-4691.	3.2	85
185	An approximate Minimum MOSPA estimator. , 2011, , .		11
186	Target localization with NLOS circularly reflected AOAS. , 2011, , .		4
187	Tracking with converted position and Doppler measurements. <i>Proceedings of SPIE</i> , 2011, , .	0.8	9
188	Localization and tracking of underwater physical systems. , 2011, , .		1
189	Generalizations of Blom And Bloem's PDF decomposition for permutation-invariant estimation. , 2011, , .		5
190	CS versus MAP and MMOSPA for multi-target radar AOAs. , 2011, , .		0
191	Structure, property, and design of nonbinary regular cycle codes. <i>IEEE Transactions on Communications</i> , 2010, 58, 1060-1071.	4.9	22
192	Signal Processing for Passive Radar Using OFDM Waveforms. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2010, 4, 226-238.	7.3	312
193	The role of the ambiguity function in compressed sensing radar. , 2010, , .		6
194	Comparison of data reduction techniques based on the performance of SVM-type classifiers. , 2010, , .		6
195	Waveform interference mitigation for a shared spectrum MIMO radar system. , 2010, , .		3
196	2D Location estimation of angle-only sensor arrays using targets of opportunity. , 2010, , .		2
197	Shooting two birds with two bullets: How to find Minimum Mean OSPA estimates. , 2010, , .		51
198	Sparse Channel Estimation for Multicarrier Underwater Acoustic Communication: From Subspace Methods to Compressed Sensing. <i>IEEE Transactions on Signal Processing</i> , 2010, 58, 1708-1721.	3.2	598

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199	Channel Energy Based Estimation of Target Trajectories Using Distributed Sensors With Low Communication Rate. IEEE Transactions on Signal Processing, 2010, 58, 2339-2350.	3.2	5
200	Optimal Relay Function in the Low-Power Regime for Distributed Estimation Over a MAC. IEEE Transactions on Signal Processing, 2010, 58, 2907-2911.	3.2	2
201	Bayesian Data Fusion for Distributed Target Detection in Sensor Networks. IEEE Transactions on Signal Processing, 2010, 58, 3417-3421.	3.2	67
202	A Repeated Significance Test With Applications To Sequential Detection In Sensor Networks. IEEE Transactions on Signal Processing, 2010, 58, 3426-3435.	3.2	11
203	Reducing the Waveform Cross Correlation of MIMO Radar With Space-Time Coding. IEEE Transactions on Signal Processing, 2010, 58, 4213-4224.	3.2	88
204	Selective Measurement Transmission in Distributed Estimation With Data Association. IEEE Transactions on Signal Processing, 2010, 58, 4311-4321.	3.2	19
205	A Low-Complexity Sliding-Window Kalman FIR Smoother for Discrete-Time Models. IEEE Signal Processing Letters, 2010, 17, 177-180.	2.1	17
206	GMTI Tracking via the Gaussian Mixture Cardinalized Probability Hypothesis Density Filter. IEEE Transactions on Aerospace and Electronic Systems, 2010, 46, 1821-1833.	2.6	45
207	Asymptotic Optimality of Running Consensus in Testing Binary Hypotheses. IEEE Transactions on Signal Processing, 2010, 58, 814-825.	3.2	99
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