

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

126  
papers

2,049  
citations

27  
h-index

40  
g-index

191  
ext. papers

3,008  
ext. citations

3.7  
avg, IF

5.65  
L-index

#	Paper	IF	Citations
126	Coherent Integration for Maneuvering Target Detection Based on Radon-LvB Distribution. <i>IEEE Signal Processing Letters</i> , <b>2015</b> , 22, 1467-1471	3.2	113
125	Fast Non-Searching Method for Maneuvering Target Detection and Motion Parameters Estimation. <i>IEEE Transactions on Signal Processing</i> , <b>2016</b> , 64, 2232-2244	4.8	111
124	A Fast Maneuvering Target Motion Parameters Estimation Algorithm Based on ACCF. <i>IEEE Signal Processing Letters</i> , <b>2015</b> , 22, 270-274	3.2	85
123	Coherent Integration Algorithm for a Maneuvering Target With High-Order Range Migration. <i>IEEE Transactions on Signal Processing</i> , <b>2015</b> , 63, 4474-4486	4.8	81
122	Joint Node Selection and Power Allocation Strategy for Multitarget Tracking in Decentralized Radar Networks. <i>IEEE Transactions on Signal Processing</i> , <b>2018</b> , 66, 729-743	4.8	70
121	An Efficient Multi-Frame Track-Before-Detect Algorithm for Multi-Target Tracking. <i>IEEE Journal on Selected Topics in Signal Processing</i> , <b>2013</b> , 7, 421-434	7.5	69
120	Distributed Fusion With Multi-Bernoulli Filter Based on Generalized Covariance Intersection. <i>IEEE Transactions on Signal Processing</i> , <b>2017</b> , 65, 242-255	4.8	63
119	Resource Scheduling for Distributed Multi-Target Tracking in Netted Colocated MIMO Radar Systems. <i>IEEE Transactions on Signal Processing</i> , <b>2020</b> , 68, 1602-1617	4.8	53
118	Robust Distributed Fusion With Labeled Random Finite Sets. <i>IEEE Transactions on Signal Processing</i> , <b>2018</b> , 66, 278-293	4.8	50
117	A Computationally Efficient Particle Filter for Multitarget Tracking Using an Independence Approximation. <i>IEEE Transactions on Signal Processing</i> , <b>2013</b> , 61, 843-856	4.8	50
116	Multiframe Radar Detection of Fluctuating Targets Using Phase Information. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2017</b> , 53, 736-749	3.7	41
115	Detection of weak maneuvering target based on keystone transform and matched filtering process. <i>Signal Processing</i> , <b>2017</b> , 140, 127-138	4.4	41
114	CLEAN-based coherent integration method for high-speed multi-targets detection. <i>IET Radar, Sonar and Navigation</i> , <b>2016</b> , 10, 1671-1682	1.4	39
113	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2017</b> , 53, 1573-1580	3.7	37
112	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2017</b> , 53, 2516-2533	3.7	37
111	STGRFT for Detection of Maneuvering Weak Target With Multiple Motion Models. <i>IEEE Transactions on Signal Processing</i> , <b>2019</b> , 67, 1902-1917	4.8	37
110	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2016</b> , 52, 2803-2814	3.7	36

109	Computationally efficient coherent detection and parameter estimation algorithm for maneuvering target. <i>Signal Processing</i> , <b>2019</b> , 155, 130-142	4.4	36
108	A low complexity coherent integration method for maneuvering target detection <b>2016</b> , 49, 137-147		35
107	Manoeuvring target detection based on keystone transform and Lv's distribution. <i>IET Radar, Sonar and Navigation</i> , <b>2016</b> , 10, 1234-1242	1.4	34
106	Scaled accuracy based power allocation for multi-target tracking with colocated MIMO radars. <i>Signal Processing</i> , <b>2019</b> , 158, 227-240	4.4	33
105	Multi-Frame Track-Before-Detect Algorithm for Maneuvering Target Tracking. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 4104-4118	6.8	33
104	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2018</b> , 54, 2421-2436	3.7	33
103	Computationally Efficient Multi-Agent Multi-Object Tracking With Labeled Random Finite Sets. <i>IEEE Transactions on Signal Processing</i> , <b>2019</b> , 67, 260-275	4.8	33
102	A Coherent Detection and Velocity Estimation Algorithm for the High-Speed Target Based on the Modified Location Rotation Transform. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2018</b> , 11, 2346-2361	4.7	30
101	Radar maneuvering target detection and motion parameter estimation based on TRT-SGRFT. <i>Signal Processing</i> , <b>2017</b> , 133, 107-116	4.4	29
100	. <i>IEEE Signal Processing Letters</i> , <b>2015</b> , 22, 1955-1959	3.2	27
99	Thresholding Process Based Dynamic Programming Track-Before-Detect Algorithm. <i>IEICE Transactions on Communications</i> , <b>2013</b> , E96.B, 291-300	0.5	26
98	Robust Power Allocation for Resource-Aware Multi-Target Tracking With Colocated MIMO Radars. <i>IEEE Transactions on Signal Processing</i> , <b>2021</b> , 69, 443-458	4.8	26
97	. <i>IEEE Sensors Journal</i> , <b>2015</b> , 15, 6722-6729	4	25
96	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2018</b> , 54, 190-204	3.7	25
95	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2017</b> , 53, 1045-1054	3.7	24
94	Computationally Efficient Distributed Multi-Sensor Fusion With Multi-Bernoulli Filter. <i>IEEE Transactions on Signal Processing</i> , <b>2020</b> , 68, 241-256	4.8	24
93	Multiobject Tracking for Generic Observation Model Using Labeled Random Finite Sets. <i>IEEE Transactions on Signal Processing</i> , <b>2018</b> , 66, 368-383	4.8	24
92	ISAR imaging of maneuvering target with complex motions based on ACCFIVD <b>2015</b> , 46, 191-200		23

91	Particle filtering based track-before-detect method for passive array sonar systems. <i>Signal Processing</i> , <b>2019</b> , 165, 303-314	4.4	23
90	Distributed multi-sensor fusion using generalised multi-Bernoulli densities. <i>IET Radar, Sonar and Navigation</i> , <b>2017</b> , 11, 434-443	1.4	21
89	Suboptimal Low Complexity Joint Multi-Target Detection and Localization for Non-Coherent MIMO Radar With Widely Separated Antennas. <i>IEEE Transactions on Signal Processing</i> , <b>2020</b> , 68, 901-916	4.8	21
88	Deployment of multistatic radar system using multi-objective particle swarm optimisation. <i>IET Radar, Sonar and Navigation</i> , <b>2018</b> , 12, 485-493	1.4	21
87	Track-before-detect strategies for range distributed target detection in compound-Gaussian clutter. <i>Signal Processing</i> , <b>2016</b> , 120, 462-467	4.4	21
86	Radar Detection and Parameter Estimation of High-Speed Target Based on MART-LVT. <i>IEEE Sensors Journal</i> , <b>2019</b> , 19, 1478-1486	4	20
85	WRFRT-based coherent detection and parameter estimation of radar moving target with unknown entry/departure time. <i>Signal Processing</i> , <b>2020</b> , 166, 107228	4.4	18
84	Knowledge-Based Track-Before-Detect Strategies for Fluctuating Targets in $\mathcal{K}\mathcal{K}$ -Distributed Clutter. <i>IEEE Sensors Journal</i> , <b>2016</b> , 16, 7124-7132	4	17
83	Distributed multi-sensor multi-view fusion based on generalized covariance intersection. <i>Signal Processing</i> , <b>2020</b> , 166, 107246	4.4	17
82	Hypersonic Target Detection and Velocity Estimation in Coherent Radar System Based on Scaled Radon Fourier Transform. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 6525-6540	6.8	16
81	Joint estimation of location and signal parameters for an LFM emitter. <i>Signal Processing</i> , <b>2017</b> , 134, 100-112	4.4	14
80	Asynchronous multi-rate multi-sensor fusion based on random finite set. <i>Signal Processing</i> , <b>2019</b> , 160, 113-126	4.4	14
79	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2016</b> , 52, 492-500	3.7	14
78	Multi-Sensor Multi-Object Tracking with Different Fields-of-View Using the LMB Filter <b>2018</b> ,		12
77	Direct position determination of multiple coherent sources using an iterative adaptive approach. <i>Signal Processing</i> , <b>2019</b> , 161, 203-213	4.4	11
76	An agile multi-frame detection method for targets with time-varying existence. <i>Signal Processing</i> , <b>2019</b> , 165, 133-143	4.4	11
75	Distributed Multi-Sensor Fusion of PHD Filters With Different Sensor Fields of View. <i>IEEE Transactions on Signal Processing</i> , <b>2020</b> , 68, 5204-5218	4.8	11
74	Range migration correction for maneuvering target based on generalized keystone transform <b>2015</b> ,		8

73	Multi-PRF and multi-frame track-before-detect algorithm in multiple PRF radar system. <i>Signal Processing</i> , <b>2020</b> , 174, 107648	4.4	8
72	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2018</b> , 54, 476-485	3.7	8
71	High speed maneuvering target detection based on joint keystone transform and CP function <b>2014</b> ,		8
70	Distributed sensor fusion for RFS density with consideration of limited sensing ability <b>2017</b> ,		8
69	The multiple model multi-Bernoulli filter based track-before-detect using a likelihood based adaptive birth distribution. <i>Signal Processing</i> , <b>2020</b> , 171, 107501	4.4	7
68	Track-before-detect for fluctuating targets in heterogeneous clutter <b>2014</b> ,		7
67	Phase-Modulated Waveform Evaluation and Selection Strategy in Compound-Gaussian Clutter. <i>IEEE Transactions on Signal Processing</i> , <b>2013</b> , 61, 1143-1148	4.8	7
66	Range walk correction and velocity estimation for high-speed target detection <b>2017</b> ,		6
65	Detection and RM correction approach for manoeuvring target with complex motions. <i>IET Signal Processing</i> , <b>2017</b> , 11, 378-386	1.7	6
64	Multi-static radar power allocation for multi-stage stochastic task of missile interception. <i>IET Radar, Sonar and Navigation</i> , <b>2018</b> , 12, 540-548	1.4	6
63	Radar Selection Based on the Measurement Information and the Measurement Compensation for Target Tracking in Radar Network. <i>IEEE Sensors Journal</i> , <b>2019</b> , 19, 7923-7935	4	6
62	A multi-frame track-before-detect algorithm for maneuvering targets in radar system <b>2016</b> ,		6
61	Cramer-Rao lower bound for multitarget localization with noncoherent statistical MIMO radar <b>2015</b> ,		5
60	A fast implementation of Dynamic Programming based Track-Before-Detect for radar system <b>2015</b> ,		5
59	Joint selection and power allocation strategy for target tracking in decentralized multiple radar systems <b>2016</b> ,		5
58	Design and application of dynamic environmental knowledge base. <i>IET Radar, Sonar and Navigation</i> , <b>2016</b> , 10, 1118-1126	1.4	4
57	Coherent unambiguous transmit for sparse linear array with geography constraint. <i>IET Radar, Sonar and Navigation</i> , <b>2017</b> , 11, 386-393	1.4	4
56	Distributed fusion with multi-Bernoulli filter based on generalized Covariance Intersection <b>2015</b> ,		4

55	An efficient multi-target track-before-detect algorithm for low PRF surveillance radars <b>2014</b> ,		4
54	. <i>IEEE Aerospace and Electronic Systems Magazine</i> , <b>2012</b> , 27, 31-33	2.4	4
53	Heterogeneous Multi-Sensor Fusion With Random Finite Set Multi-Object Densities. <i>IEEE Transactions on Signal Processing</i> , <b>2021</b> , 69, 3399-3414	4.8	4
52	Robust Poisson Multi-Bernoulli Mixture Filter With Unknown Detection Probability. <i>IEEE Transactions on Vehicular Technology</i> , <b>2021</b> , 70, 886-899	6.8	4
51	Radar waveform design against signal-dependent jamming <b>2017</b> ,		3
50	An efficient coherent multi-frame track-before-detect algorithm in radar systems <b>2017</b> ,		3
49	A modified adaptive multi-pulse compression algorithm for fast implementation <b>2015</b> ,		3
48	Particle filtering for target tracking using plot-sequences of multi-frame track before detect <b>2015</b> ,		3
47	A computationally efficient recursive processing for multi-frame track-before-detect <b>2015</b> ,		3
46	Adaptive detection and estimation for an unknown occurring interval signal in correlated Gaussian noise. <i>Signal Processing</i> , <b>2015</b> , 108, 440-450	4.4	3
45	Distributed MIMO radar detection with channel evaluation and selection strategy <b>2014</b> ,		3
44	Multi-target localization for noncoherent MIMO radar with widely separated antennas <b>2014</b> ,		3
43	Dynamic factorization based multi-target Bayesian filter for multi-target detection and tracking <b>2014</b> ,		3
42	Exponential Mixture Density based Approximation to Posterior Cramr-Rao Lower Bound for Distributed Target Tracking. <i>IEEE Transactions on Signal Processing</i> , <b>2022</b> , 1-1	4.8	3
41	Distributed multi-view multi-target tracking based on CPHD filtering. <i>Signal Processing</i> , <b>2021</b> , 188, 1082104	4.4	3
40	Emitter localization based on signal waveform estimation <b>2017</b> ,		2
39	Detection of weak maneuvering target based on KT-MFP <b>2017</b> ,		2
38	Receive-beam allocation for multiple target tracking with distributed MIMO radar systems <b>2016</b> ,		2

37	Network Cost Based Node Selection Strategy for Multiple Target Tracking in Netted Radar System <b>2019,</b>		2
36	A joint beam and dwell time allocation strategy for multiple target tracking based on phase array radar system <b>2017,</b>		2
35	Multi-Bernoulli filter based track-before-detect for Jump Markov models <b>2014,</b>		2
34	A Modified Dynamic Programming Approach for Dim Target Detection and Tracking <b>2009,</b>		2
33	A tracking approach based on Dynamic Programming Track-Before-Detect <b>2009,</b>		2
32	Joint Online Route Planning and Resource Optimization for Multitarget Tracking in Airborne Radar Systems. <i>IEEE Systems Journal</i> , <b>2021</b> , 1-12	4.3	2
31	Data-driven XGBoost-based filter for target tracking. <i>Journal of Engineering</i> , <b>2019</b> , 2019, 6683-6687	0.7	2
30	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2016</b> , 52, 2184-2192	3.7	2
29	Multiple Model Poisson Multi-Bernoulli Mixture Filter for Maneuvering Targets. <i>IEEE Sensors Journal</i> , <b>2021</b> , 21, 3143-3154	4	2
28	Track-Before-Detect Strategies for Multiple-PRF Radar System with Range and Doppler Ambiguities <b>2018,</b>		2
27	Continuous-Discrete Multiple Target Tracking With Out-of-Sequence Measurements. <i>IEEE Transactions on Signal Processing</i> , <b>2021</b> , 69, 4699-4709	4.8	2
26	A GDOP-Based Performance Description of TOA Localization with Uncertain Measurements. <i>Remote Sensing</i> , <b>2022</b> , 14, 910	5	2
25	Multi-target Detection Strategy for Distributed MIMO Radar with Widely Separated Antennas. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2022</b> , 1-1	8.1	2
24	A particle filter based track-before-detect procedure for towed passive array sonar system <b>2017,</b>		1
23	Track-before-detect for fluctuating targets using phase information <b>2015,</b>		1
22	Constant false alarm rate performance prediction for non-independent and non-identically distributed gamma fluctuating targets. <i>IET Radar, Sonar and Navigation</i> , <b>2016</b> , 10, 992-1000	1.4	1
21	Coupled sequential detection and estimation procedure for track-before-detect. <i>IET Radar, Sonar and Navigation</i> , <b>2016</b> , 10, 1168-1177	1.4	1
20	Passive direct positioning of emitters with unknown LFM signals based on FRFT <b>2018,</b>		1

19	Computationally Efficient CPHD Fusion based on Generalized Covariance Intersection <b>2019</b> ,		1
18	Range limited adaptive pulse compression via linear Bayes estimation <b>2014</b> ,		1
17	Multiple sensor Multi-Bernoulli filter based track-before-detect for polarimetric MIMO radars <b>2014</b> ,		1
16	Adaptive Bayesian detection using polarimetric MIMO radar in spatially heterogeneous clutter <b>2014</b> ,		1
15	A real-time fusion algorithm for asynchronous sensor system with PHD filter <b>2017</b> ,		1
14	CFAR detector based on clutter partition in heterogeneous background <b>2015</b> ,		1
13	Multi-target tracking via dynamic-programming based track-before-detect <b>2012</b> ,		1
12	Joint tracking sequence and dwell time allocation for multi-target tracking with phased array radar. <i>Signal Processing</i> , <b>2021</b> , 192, 108374	4.4	1
11	A Decentralized PHD Filter for Multi-target Tracking in Asynchronous Multi-static Radar System <b>2020</b> ,		1
10	Joint Jamming Beam and Power Scheduling for Suppressing Netted Radar System <b>2021</b> ,		1
9	Multi-frame track-before-detect algorithm for disambiguation. <i>Journal of Engineering</i> , <b>2019</b> , 2019, 7726-7729	3.7	1
8	A Fast Approach for Detection and Parameter Estimation of Maneuvering Target With Complex Motions in Coherent Radar System. <i>IEEE Transactions on Vehicular Technology</i> , <b>2021</b> , 1-1	6.8	1
7	Non-Cooperative Passive Direct Localization Based on Waveform Estimation. <i>Remote Sensing</i> , <b>2021</b> , 13, 264	5	1
6	A Complete Power Allocation Framework for Multiple Target Tracking with the Purpose of Minimizing the Transmit Power <b>2018</b> ,		1
5	Multi-agent fusion with different limited fields-of-view. <i>IEEE Transactions on Signal Processing</i> , <b>2022</b> , 1-1	4.8	1
4	Track-before-detect algorithm for airborne radar system. <i>Journal of Engineering</i> , <b>2019</b> , 2019, 6620-6624	0.7	0
3	Efficient multi-sensor path scheduling for cooperative target tracking. <i>Journal of Engineering</i> , <b>2019</b> , 2019, 6300-6304	0.7	
2	Trajectory PHD and CPHD Filters with Unknown Detection Profile. <i>IEEE Transactions on Vehicular Technology</i> , <b>2022</b> , 1-1	6.8	



- 1 Dynamic Sensor Scheduling for Target Tracking in Wireless Sensor Networks with Cost Minimization Objective. *IEEE Internet of Things Journal*, **2022**, 1-1 10.7