

Ratnasingham Tharmarasa

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

4,911
citations

759055

12
h-index

887953

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23
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23
docs citations

23
times ranked

2758
citing authors

#	ARTICLE	IF	CITATIONS
1	Ground Target Tracking Using an Airborne Angle-Only Sensor with Terrain Uncertainty and Sensor Biases. <i>Sensors</i> , 2022, 22, 509.	2.1	1
2	A Bayesian Method for ViSAR Image Fusion Using Effective Reflection Coefficient. <i>IEEE Sensors Journal</i> , 2022, 22, 9743-9753.	2.4	0
3	Extended Target Tracking With Multipath Detections, Terrain-Constrained Motion Model and Clutter. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 7056-7072.	4.7	5
4	Finite-time encirclement rotating tracking for surface formation targets with bearing-only measurements. <i>Nonlinear Dynamics</i> , 2021, 105, 3323-3339.	2.7	4
5	Particle Filter for Randomly Delayed Measurements with Unknown Latency Probability. <i>Sensors</i> , 2020, 20, 5689.	2.1	3
6	Robust Weighted $l_{1,2}$ Norm Filtering in Passive Radar Systems. <i>Sensors</i> , 2020, 20, 3270.	2.1	3
7	Seamless Tracking of Apparent Point and Extended Targets Using Gaussian Process PMHT. <i>IEEE Transactions on Signal Processing</i> , 2019, 67, 4825-4838.	3.2	14
8	Ground Surface Filtering of 3D Point Clouds Based on Hybrid Regression Technique. <i>IEEE Access</i> , 2019, 7, 23270-23284.	2.6	28
9	Dynamic Vehicle Detection With Sparse Point Clouds Based on PE-CPD. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2019, 20, 1964-1977.	4.7	31
10	Multi-Vehicle Tracking Using Microscopic Traffic Models. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2019, 20, 149-161.	4.7	25
11	Multi-Vehicle Tracking With Road Maps and Car-Following Models. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018, 19, 1375-1386.	4.7	55
12	Heavy-tailed sea clutter modeling for shore-based radar detection. , 2018, , .		6
13	A Multiple-Detection Probability Hypothesis Density Filter. <i>IEEE Transactions on Signal Processing</i> , 2015, 63, 2007-2019.	3.2	53
14	Online clutter estimation using a Gaussian kernel density estimator for multitarget tracking. <i>IET Radar, Sonar and Navigation</i> , 2015, 9, 1-9.	0.9	12
15	Robust Matched Filtering in \mathbb{R}^p -Space. <i>IEEE Transactions on Signal Processing</i> , 2015, 63, 6184-6199.	3.2	20
16	The Spline Probability Hypothesis Density Filter. <i>IEEE Transactions on Signal Processing</i> , 2013, 61, 6188-6203.	3.2	20
17	Information Flow Control for Collaborative Distributed Data Fusion and Multisensor Multitarget Tracking. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2012, 42, 501-517.	3.3	13
18	Pseudo states estimation for maneuvering target tracking in Doppler radar systems. , 2012, , .		2

#	ARTICLE	IF	CITATIONS
19	Predicting Time to Failure Using the IMM and Excitable Tests. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2007, 37, 630-642.	3.4	17
20	Fusion of over-the-horizon radar and automatic identification systems for overall maritime picture. , 2007, , .		12
21	Large-Scale Optimal Sensor Array Management for Multitarget Tracking. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2007, 37, 803-814.	3.3	85
22	Tracking the Mode of Operation of Multi-Function Radars. , 0, , .		13