

Ratnasingham Tharmarasa

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8827289/publications.pdf>

Version: 2024-02-01

22
papers

4,911
citations

759055

12
h-index

887953

17
g-index

23
all docs

23
docs citations

23
times ranked

2758
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Multi-Vehicle Tracking With Road Maps and Car-Following Models. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 1375-1386.	4.7	55
3	A Multiple-Detection Probability Hypothesis Density Filter. IEEE Transactions on Signal Processing, 2015, 63, 2007-2019.	3.2	53
4	Dynamic Vehicle Detection With Sparse Point Clouds Based on PE-CPD. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 1964-1977.	4.7	31
5	Ground Surface Filtering of 3D Point Clouds Based on Hybrid Regression Technique. IEEE Access, 2019, 7, 23270-23284.	2.6	28
6	Multi-Vehicle Tracking Using Microscopic Traffic Models. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 149-161.	4.7	25
7	The Spline Probability Hypothesis Density Filter. IEEE Transactions on Signal Processing, 2013, 61, 6188-6203.	3.2	20
8	Robust Matched Filtering in ℓ_p -Space. IEEE Transactions on Signal Processing, 2015, 63, 6184-6199.	3.2	20
9	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
10	Seamless Tracking of Apparent Point and Extended Targets Using Gaussian Process PMHT. IEEE Transactions on Signal Processing, 2019, 67, 4825-4838.	3.2	14
11	Tracking the Mode of Operation of Multi-Function Radars. , 0, , .		13
12	Information Flow Control for Collaborative Distributed Data Fusion and Multisensor Multitarget Tracking. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2012, 42, 501-517.	3.3	13
13	Fusion of over-the-horizon radar and automatic identification systems for overall maritime picture. , 2007, , .		12
14	Online clutter estimation using a Gaussian kernel density estimator for multitarget tracking. IET Radar, Sonar and Navigation, 2015, 9, 1-9.	0.9	12
15	Heavy-tailed sea clutter modeling for shore-based radar detection. , 2018, , .		6
16	Extended Target Tracking With Multipath Detections, Terrain-Constrained Motion Model and Clutter. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 7056-7072.	4.7	5
17	Finite-time encirclement rotating tracking for surface formation targets with bearing-only measurements. Nonlinear Dynamics, 2021, 105, 3323-3339.	2.7	4
18	Particle Filter for Randomly Delayed Measurements with Unknown Latency Probability. Sensors, 2020, 20, 5689.	2.1	3

#	ARTICLE	IF	CITATIONS
19	Robust Weighted $l_{1,2}$ Norm Filtering in Passive Radar Systems. <i>Sensors</i> , 2020, 20, 3270.	2.1	3
20	Pseudo states estimation for maneuvering target tracking in Doppler radar systems. , 2012, , .		2
21	Ground Target Tracking Using an Airborne Angle-Only Sensor with Terrain Uncertainty and Sensor Biases. <i>Sensors</i> , 2022, 22, 509.	2.1	1
22	A Bayesian Method for ViSAR Image Fusion Using Effective Reflection Coefficient. <i>IEEE Sensors Journal</i> , 2022, 22, 9743-9753.	2.4	0