

Slavisa Tomic

List of Publications by Year in descending order

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50
papers

1,500
citations

430442

18
h-index

360668

35
g-index

54
all docs

54
docs citations

54
times ranked

1029
citing authors

#	ARTICLE	IF	CITATIONS
1	RSS-Based Localization in Wireless Sensor Networks Using Convex Relaxation: Noncooperative and Cooperative Schemes. IEEE Transactions on Vehicular Technology, 2015, 64, 2037-2050.	3.9	271
2	3-D Target Localization in Wireless Sensor Networks Using RSS and AoA Measurements. IEEE Transactions on Vehicular Technology, 2017, 66, 3197-3210.	3.9	185
3	Distributed RSS-AoA Based Localization With Unknown Transmit Powers. IEEE Wireless Communications Letters, 2016, 5, 392-395.	3.2	105
4	A Closed-Form Solution for RSS/AoA Target Localization by Spherical Coordinates Conversion. IEEE Wireless Communications Letters, 2016, 5, 680-683.	3.2	84
5	A bisection-based approach for exact target localization in NLOS environments. Signal Processing, 2018, 143, 328-335.	2.1	72
6	A Robust Bisection-Based Estimator for TOA-Based Target Localization in NLOS Environments. IEEE Communications Letters, 2017, 21, 2488-2491.	2.5	71
7	On Target Localization Using Combined RSS and AoA Measurements. Sensors, 2018, 18, 1266.	2.1	62
8	Distributed RSS-Based Localization in Wireless Sensor Networks Based on Second-Order Cone Programming. Sensors, 2014, 14, 18410-18432.	2.1	56
9	Distributed algorithm for target localization in wireless sensor networks using RSS and AoA measurements. Pervasive and Mobile Computing, 2017, 37, 63-77.	2.1	53
10	A Linear Estimator for Network Localization Using Integrated RSS and AOA Measurements. IEEE Signal Processing Letters, 2019, 26, 405-409.	2.1	53
11	Static drone placement by elephant herding optimization algorithm. , 2017, , .		50
12	A Robust NLOS Bias Mitigation Technique for RSS-TOA-Based Target Localization. IEEE Signal Processing Letters, 2019, 26, 64-68.	2.1	49
13	Target Localization in NLOS Environments Using RSS and TOA Measurements. IEEE Wireless Communications Letters, 2018, 7, 1062-1065.	3.2	40
14	Elephant Herding Optimization for Energy-Based Localization. Sensors, 2018, 18, 2849.	2.1	38
15	Bayesian methodology for target tracking using combined RSS and AoA measurements. Physical Communication, 2017, 25, 158-166.	1.2	26
16	Fast Localization With Unknown Transmit Power and Path-Loss Exponent in WSNs Based on RSS Measurements. IEEE Communications Letters, 2020, 24, 2756-2760.	2.5	23
17	Exact Robust Solution to TW-ToA-Based Target Localization Problem With Clock Imperfections. IEEE Signal Processing Letters, 2018, 25, 531-535.	2.1	22
18	Target Tracking with Sensor Navigation Using Coupled RSS and AoA Measurements. Sensors, 2017, 17, 2690.	2.1	18

#	ARTICLE	IF	CITATIONS
19	Target Localization via Integrated and Segregated Ranging Based on RSS and TOA Measurements. Sensors, 2019, 19, 230.	2.1	18
20	Energy-Based Acoustic Localization by Improved Elephant Herding Optimization. IEEE Access, 2020, 8, 28548-28559.	2.6	18
21	GTRS-Based Algorithm for UAV Navigation in Indoor Environments Employing Range Measurements and Odometry. IEEE Access, 2021, 9, 89120-89132.	2.6	17
22	Distributed Localization with Complemented RSS and AOA Measurements: Theory and Methods. Applied Sciences (Switzerland), 2020, 10, 272.	1.3	17
23	Hybrid RSS-AoA technique for 3-D node localization in wireless sensor networks. , 2015, , .		15
24	A Geometric Approach for Distributed Multi-Hop Target Localization in Cooperative Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 914-919.	3.9	14
25	A Feed-Forward Neural Network Approach for Energy-Based Acoustic Source Localization. Journal of Sensor and Actuator Networks, 2021, 10, 29.	2.3	14
26	RSS-based localization in wireless sensor networks using SOCP relaxation. , 2013, , .		12
27	Development of a Test-Bench for Evaluating the Embedded Implementation of the Improved Elephant Herding Optimization Algorithm Applied to Energy-Based Acoustic Localization. Computers, 2020, 9, 87.	2.1	10
28	An SOCP Estimator for Hybrid RSS and AOA Target Localization in Sensor Networks. Sensors, 2021, 21, 1731.	2.1	8
29	Algorithms for Estimating the Location of Remote Nodes Using Smartphones. IEEE Access, 2019, 7, 33713-33727.	2.6	7
30	Distributed RSS-based localization in wireless sensor networks using convex relaxation. , 2014, , .		6
31	Implementation and Validation of Elephant Herding Optimization Algorithm for Acoustic Localization. , 2018, , .		6
32	Estimating Directional Data From Network Topology for Improving Tracking Performance. Journal of Sensor and Actuator Networks, 2019, 8, 30.	2.3	6
33	Cooperative localization in wireless sensor networks using combined measurements. , 2015, , .		5
34	Exploiting Orientation Information to Improve Range-Based Localization Accuracy. IEEE Access, 2020, 8, 44041-44047.	2.6	5
35	Toward Secure Localization in Randomly Deployed Wireless Networks. IEEE Internet of Things Journal, 2021, 8, 17436-17448.	5.5	5
36	Drones as Sound Sensors for Energy-Based Acoustic Tracking on Wildfire Environments. IFIP Advances in Information and Communication Technology, 2022, , 109-125.	0.5	5

#	ARTICLE	IF	CITATIONS
37	Convex optimization-based beamforming in cognitive radio multicast transmission. , 2012, , .		4
38	An efficient WLS estimator for target localization in wireless sensor networks. , 2016, , .		4
39	Kalman filter for target tracking using coupled RSS and AoA measurements. , 2017, , .		4
40	A New Perspective on Range and Directional Localization Problem. IEEE Open Journal of Vehicular Technology, 2021, 2, 337-344.	3.4	4
41	Swarm Optimization for Energy-Based Acoustic Source Localization: A Comprehensive Study. Sensors, 2022, 22, 1894.	2.1	4
42	Efficient estimator for distributed RSS-based localization in wireless sensor networks. , 2015, , .		3
43	Kalman Filtering for Tracking a Moving Acoustic Source based on Energy Measurements. , 2021, , .		2
44	Detecting Distance-Spoofing Attacks in Arbitrarily-Deployed Wireless Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 4383-4395.	3.9	2
45	Performance analysis of a distributed algorithm for target localization in wireless sensor networks using hybrid measurements in a connection failure scenario. , 2017, , .		1
46	On Hybrid RSS/TOA Target Localization in NLOS Environments. , 2018, , .		1
47	Distributed RSS-Based Localization in Wireless Sensor Networks with Asynchronous Node Communication. IFIP Advances in Information and Communication Technology, 2014, , 515-524.	0.5	0
48	A WLS Estimator for Target Localization in a Cooperative Wireless Sensor Network. IFIP Advances in Information and Communication Technology, 2016, , 273-283.	0.5	0
49	Target localization in adverse indoor environments. , 2017, , .		0
50	MAP Estimator for Target Tracking in Wireless Sensor Networks for Unknown Transmit Power. IFIP Advances in Information and Communication Technology, 2017, , 325-334.	0.5	0