Engin Masazade

List of Publications by Year
in descending order

57 papers	883 citations	759055 12 h-index	752573 20 g-index
57 all docs	57 docs citations	57 times ranked	840 citing authors

#	Article	IF	Citations
1	Sensor Selection for Estimation with Correlated Measurement Noise. IEEE Transactions on Signal Processing, 2016, 64, 3509-3522.	3.2	140
2	Energy Aware Iterative Source Localization for Wireless Sensor Networks. IEEE Transactions on Signal Processing, 2010, 58, 4824-4835.	3.2	95
3	Optimal Periodic Sensor Scheduling in Networks of Dynamical Systems. IEEE Transactions on Signal Processing, 2014, 62, 3055-3068.	3.2	79
4	Sparsity-Promoting Extended Kalman Filtering for Target Tracking in Wireless Sensor Networks. IEEE Signal Processing Letters, 2012, 19, 845-848.	2.1	70
5	Dynamic Bit Allocation for Object Tracking in Wireless Sensor Networks. IEEE Transactions on Signal Processing, 2012, 60, 5048-5063.	3.2	65
6	A Multiobjective Optimization Approach to Obtain Decision Thresholds for Distributed Detection in Wireless Sensor Networks. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 444-457.	5.5	63
7	Sensor Selection for Target Tracking in Wireless Sensor Networks With Uncertainty. IEEE Transactions on Signal Processing, 2016, 64, 5191-5204.	3.2	57
8	Energy-Aware Sensor Selection in Field Reconstruction. IEEE Signal Processing Letters, 2014, 21, 1476-1480.	2.1	35
9	Enhanced Dynamic Spectrum Access in Multiband Cognitive Radio Networks via Optimized Resource Allocation. IEEE Transactions on Wireless Communications, 2016, 15, 8093-8106.	6.1	31
10	A real-time bird sound recognition system using a low-cost microcontroller. Applied Acoustics, 2019, 148, 194-201.	1.7	28
11	A market based dynamic bit allocation scheme for target tracking in wireless sensor networks. , 2013, , .		25
12	Sparsity-aware field estimation via ordinary Kriging. , 2014, , .		20
13	Permutation Trellis Coded Multi-Level FSK Signaling to Mitigate Primary User Interference in Cognitive Radio Networks. IEEE Transactions on Communications, 2016, 64, 104-116.	4.9	16
14	A Proportional Time Allocation Algorithm to Transmit Binary Sensor Decisions for Target Tracking in a Wireless Sensor Network. IEEE Transactions on Signal Processing, 2018, 66, 86-100.	3.2	15
15	Channel-Aware Tracking in Multi-Hop Wireless Sensor Networks with Quantized Measurements. IEEE Transactions on Aerospace and Electronic Systems, 2013, 49, 2353-2368.	2.6	12
16	An approximate dynamic programming based non-myopic sensor selection method for target tracking. , 2012, , .		11
17	Vision€based road slope estimation methods using road lines or local features from instant images. IET Intelligent Transport Systems, 2019, 13, 1590-1602.	1.7	11
18	Adaptive non-myopic quantizer design for target tracking in wireless sensor networks. , 2013, , .		10

#	Article	IF	Citations
19	Emotional state and cognitive load analysis using features from BVP and SC sensors. , 2015, , .		8
20	Sensor selection with correlated measurements for target tracking in wireless sensor networks. , 2015, , .		7
21	Vision‐based game design and assessment for physical exercise in a robot‐assisted rehabilitation system. IET Computer Vision, 2018, 12, 59-68.	1.3	7
22	Exploring dynamic difficulty adjustment mechanism for rehabilitation tasks using physiological measures and subjective ratings. IET Signal Processing, 2019, 13, 378-386.	0.9	7
23	Temporally staggered sensing for field estimation with quantized data in wireless sensor networks. , 2012, , .		6
24	Dynamic Difficulty Level Adjustment Based on Score and Physiological Signal Feedback in the Robot-Assisted Rehabilitation System, RehabRoby. IEEE Robotics and Automation Letters, 2021, 6, 447-454.	3.3	6
25	A Monte Carlo based energy efficient source localization method for wireless sensor networks. , 2009, , .		5
26	Proportional Time Sharing with Frame Size Adaptation for MB-OFDM based UWB WPANs. , 2006, , .		4
27	Evaluation of local decision thresholds for distributed detection in wireless sensor networks using multiobjective optimization. , 2008, , .		4
28	An energy efficient iterative method for source localization in wireless sensor networks. , 2009, , .		4
29	Performance of Permutation Trellis Codes in Cognitive Radio Networks. , 2012, , .		4
30	On optimization algorithms for the design of multiband cognitive radio networks. , 2012, , .		4
31	Clustering of Emotional States under Different Task Difficulty Levels for the Robot-assisted Rehabilitation system-RehabRoby. , 2014, , .		4
32	A probabilistic transmission scheme for distributed estimation in wireless sensor networks. , 2010, , .		3
33	Successful Communications in a Cognitive Radio Network with Transmission Hyperspace. , 2011, , .		3
34	On optimal periodic sensor scheduling for field estimation in wireless sensor networks. , 2013, , .		3
35	A multiobjective optimization approach for adaptive binary quantizer design for target tracking in wireless sensor networks. , 2015, , .		3
36	Channel aware iterative source localization for wireless sensor networks. , 2010, , .		2

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37	A cross layer routing protocol for cognitive radio networks using channel activity tracking. , 2012, , .		2
38	Adaptive sampling with sensor selection for target tracking in wireless sensor networks. , 2014, , .		2
39	Admittance Filter Parameter Adjustment of a Robot-Assisted Rehabilitation System (RehabRoby). Lecture Notes in Mechanical Engineering, 2017, , 87-96.	0.3	2
40	Conditional Posterior Cramér–Rao Lower Bound and its Applications in Adaptive Sensor Management. , 2011, , 303-317.		2
41	Classification of the Emotional State of a Subject Using Machine Learning Algorithms for RehabRoby. , 0, , 2160-2187.		2
42	Cross-layer enhanced time scheduling for multi-band OFDM UWB networks. Wireless Networks, 2010, 16, 863-873.	2.0	1
43	Spectrum shaping challenges in dynamic spectrum access networks with transmission hyperspace. , 2012, , .		1
44	Distinguishing levels of challenge from physiological signals for the robot-assisted rehabilitation system, RehabRoby. , 2017, , .		1
45	A Kalman filter application for rainfall estimation using radar reflectivity measurements. Turkish Journal of Electrical Engineering and Computer Sciences, 2019, , 1198-1212.	0.9	1
46	Realization of field estimation with sensors designed using low power and low cost components. , 2017, , .		1
47	Enhanced Dynamic Scheduling for Uplink Latency Reduction in Broadband VoLTE Systems. , 2021, , .		1
48	A Proportional Time Scheduling Scheme with Frame Size Adaptation for MB-OFDM UWB WPANs. , 0, , .		0
49	A Simplified Parallel Distributed Detection Method for Wireless Sensor Networks under Fading Channels. , 2007, , .		0
50	An efficient technique to estimate the realisation bit error rate of multiband OFDM based UWB systems. European Transactions on Telecommunications, 2009, 20, 617-624.	1.2	0
51	Distributed Signal Detection. Academic Press Library in Signal Processing, 2014, 3, 187-207.	0.8	0
52	Evaluation of Involvement of Subjects in Rehabilitation Exercises using Physiological Signals. , 2018, , .		0
53	Formation of a wireless sensor network using custom-designed sensors having low power and low cost components. Turkish Journal of Electrical Engineering and Computer Sciences, 2020, 28, 2702-2717.	0.9	0
54	Probabilistic object tracking by low power microcontrollers. Journal of Real-Time Image Processing, 0, , 1.	2.2	0

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55	Classification of the Emotional State of a Subject Using Machine Learning Algorithms for RehabRoby. Advances in Computational Intelligence and Robotics Book Series, 2015, , 53-80.	0.4	0
56	Developing a wireless sensor network testbed using MSP430G2553 and nRF24L01+ based sensors. Pamukkale University Journal of Engineering Sciences, 2019, 25, 208-214.	0.2	0
57	Behavior Classification of Egyptian Fruit Bat (Rousettus aegyptiacus) From Calls With Deep Learning. Advances in Computational Intelligence and Robotics Book Series, 2022, , 60-98.	0.4	0