

Engin Masazade

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

883
citations

759055

12
h-index

752573

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g-index

57
all docs

57
docs citations

57
times ranked

840
citing authors

#	ARTICLE	IF	CITATIONS
1	Behavior Classification of Egyptian Fruit Bat (<i>Rousettus aegyptiacus</i>) From Calls With Deep Learning. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2022, , 60-98.	0.4	0
2	Dynamic Difficulty Level Adjustment Based on Score and Physiological Signal Feedback in the Robot-Assisted Rehabilitation System, <i>RehabRoby</i> . <i>IEEE Robotics and Automation Letters</i> , 2021, 6, 447-454.	3.3	6
3	Enhanced Dynamic Scheduling for Uplink Latency Reduction in Broadband VoLTE Systems. , 2021, , .		1
4	Formation of a wireless sensor network using custom-designed sensors having low power and low cost components. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2020, 28, 2702-2717.	0.9	0
5	A Kalman filter application for rainfall estimation using radar reflectivity measurements. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2019, , 1198-1212.	0.9	1
6	Exploring dynamic difficulty adjustment mechanism for rehabilitation tasks using physiological measures and subjective ratings. <i>IET Signal Processing</i> , 2019, 13, 378-386.	0.9	7
7	Vision-based road slope estimation methods using road lines or local features from instant images. <i>IET Intelligent Transport Systems</i> , 2019, 13, 1590-1602.	1.7	11
8	A real-time bird sound recognition system using a low-cost microcontroller. <i>Applied Acoustics</i> , 2019, 148, 194-201.	1.7	28
9	Developing a wireless sensor network testbed using MSP430G2553 and nRF24L01+ based sensors. <i>Pamukkale University Journal of Engineering Sciences</i> , 2019, 25, 208-214.	0.2	0
10	Vision-based game design and assessment for physical exercise in a robot-assisted rehabilitation system. <i>IET Computer Vision</i> , 2018, 12, 59-68.	1.3	7
11	A Proportional Time Allocation Algorithm to Transmit Binary Sensor Decisions for Target Tracking in a Wireless Sensor Network. <i>IEEE Transactions on Signal Processing</i> , 2018, 66, 86-100.	3.2	15
12	Evaluation of Involvement of Subjects in Rehabilitation Exercises using Physiological Signals. , 2018, , .		0
13	Distinguishing levels of challenge from physiological signals for the robot-assisted rehabilitation system, <i>RehabRoby</i> . , 2017, , .		1
14	Admittance Filter Parameter Adjustment of a Robot-Assisted Rehabilitation System (<i>RehabRoby</i>). <i>Lecture Notes in Mechanical Engineering</i> , 2017, , 87-96.	0.3	2
15	Realization of field estimation with sensors designed using low power and low cost components. , 2017, , .		1
16	Sensor Selection for Estimation with Correlated Measurement Noise. <i>IEEE Transactions on Signal Processing</i> , 2016, 64, 3509-3522.	3.2	140
17	Enhanced Dynamic Spectrum Access in Multiband Cognitive Radio Networks via Optimized Resource Allocation. <i>IEEE Transactions on Wireless Communications</i> , 2016, 15, 8093-8106.	6.1	31
18	Sensor Selection for Target Tracking in Wireless Sensor Networks With Uncertainty. <i>IEEE Transactions on Signal Processing</i> , 2016, 64, 5191-5204.	3.2	57

#	ARTICLE	IF	CITATIONS
19	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
20	A multiobjective optimization approach for adaptive binary quantizer design for target tracking in wireless sensor networks. , 2015, , .		3
21	Emotional state and cognitive load analysis using features from BVP and SC sensors. , 2015, , .		8
22	Sensor selection with correlated measurements for target tracking in wireless sensor networks. , 2015, , .		7
23	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
24	Adaptive sampling with sensor selection for target tracking in wireless sensor networks. , 2014, , .		2
25	Sparsity-aware field estimation via ordinary Kriging. , 2014, , .		20
26	Distributed Signal Detection. Academic Press Library in Signal Processing, 2014, 3, 187-207.	0.8	0
27	Energy-Aware Sensor Selection in Field Reconstruction. IEEE Signal Processing Letters, 2014, 21, 1476-1480.	2.1	35
28	Optimal Periodic Sensor Scheduling in Networks of Dynamical Systems. IEEE Transactions on Signal Processing, 2014, 62, 3055-3068.	3.2	79
29	Clustering of Emotional States under Different Task Difficulty Levels for the Robot-assisted Rehabilitation system-RehabRoby. , 2014, , .		4
30	On optimal periodic sensor scheduling for field estimation in wireless sensor networks. , 2013, , .		3
31	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
32	A market based dynamic bit allocation scheme for target tracking in wireless sensor networks. , 2013, , .		25
33	Adaptive non-myopic quantizer design for target tracking in wireless sensor networks. , 2013, , .		10
34	Dynamic Bit Allocation for Object Tracking in Wireless Sensor Networks. IEEE Transactions on Signal Processing, 2012, 60, 5048-5063.	3.2	65
35	Temporally staggered sensing for field estimation with quantized data in wireless sensor networks. , 2012, , .		6
36	Spectrum shaping challenges in dynamic spectrum access networks with transmission hyperspace. , 2012, , .		1

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37	An approximate dynamic programming based non-myopic sensor selection method for target tracking. , 2012, , .		11
38	Performance of Permutation Trellis Codes in Cognitive Radio Networks. , 2012, , .		4
39	On optimization algorithms for the design of multiband cognitive radio networks. , 2012, , .		4
40	Sparsity-Promoting Extended Kalman Filtering for Target Tracking in Wireless Sensor Networks. IEEE Signal Processing Letters, 2012, 19, 845-848.	2.1	70
41	A cross layer routing protocol for cognitive radio networks using channel activity tracking. , 2012, , .		2
42	Successful Communications in a Cognitive Radio Network with Transmission Hyperspace. , 2011, , .		3
43	Conditional Posterior Cram�r-Rao Lower Bound and its Applications in Adaptive Sensor Management. , 2011, , 303-317.		2
44	Cross-layer enhanced time scheduling for multi-band OFDM UWB networks. Wireless Networks, 2010, 16, 863-873.	2.0	1
45	Channel aware iterative source localization for wireless sensor networks. , 2010, , .		2
46	Energy Aware Iterative Source Localization for Wireless Sensor Networks. IEEE Transactions on Signal Processing, 2010, 58, 4824-4835.	3.2	95
47	A probabilistic transmission scheme for distributed estimation in wireless sensor networks. , 2010, , .		3
48	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
49	An energy efficient iterative method for source localization in wireless sensor networks. , 2009, , .		4
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	A Monte Carlo based energy efficient source localization method for wireless sensor networks. , 2009, , .		5
52	Evaluation of local decision thresholds for distributed detection in wireless sensor networks using multiobjective optimization. , 2008, , .		4
53	A Simplified Parallel Distributed Detection Method for Wireless Sensor Networks under Fading Channels. , 2007, , .		0
54	Proportional Time Sharing with Frame Size Adaptation for MB-OFDM based UWB WPANs. , 2006, , .		4

#	ARTICLE	IF	CITATIONS
55	A Proportional Time Scheduling Scheme with Frame Size Adaptation for MB-OFDM UWB WPANs. , 0, , .		0
56	Probabilistic object tracking by low power microcontrollers. Journal of Real-Time Image Processing, 0, , 1.	2.2	0
57	Classification of the Emotional State of a Subject Using Machine Learning Algorithms for RehabRoby. , 0, , 2160-2187.		2