

Hasan Ocak

List of Publications by Year in descending order

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31
papers

2,149
citations

567281

15
h-index

713466

21
g-index

31
all docs

31
docs citations

31
times ranked

2128
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of Structural Magnet Defects for Permanent Magnet Synchronous Motors. IEEE Transactions on Energy Conversion, 2022, 37, 665-674.	5.2	9
2	Low Cost Easy-to-Install Indoor Positioning System. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 100, 131-144.	3.4	6
3	AŞ±sal DuruÅ¼ KontrolÅ¼ Destekli Å–zgÅ¼n bir Dinamik Pencere YaklaÅ¼mÅ¼. Bilecik Åžeyh Edebali Åœeniversitesi Fen Bilimleri Dergisi, 2020, 7, 184-200.	0.6	2
4	A Novel Local Motion Planner: Navibug. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 100, 987-1003.	3.4	1
5	One dimensional moving obstacle detection method for mobile robotics applications. , 2018, , .		1
6	Design and Implementation of a Multi Sensor Based Brain Computer Interface for a Robotic Wheelchair. Journal of Intelligent and Robotic Systems: Theory and Applications, 2017, 87, 247-263.	3.4	37
7	A New Mobile Robot Toolbox for Matlab. Journal of Intelligent and Robotic Systems: Theory and Applications, 2017, 87, 125-140.	3.4	27
8	Real time control of a wheelchair based on EMG and Kinect for the disabled people. , 2015, , .		3
9	Image processing based package volume detection with Kinect. , 2015, , .		3
10	Development of a human tracking indoor mobile robot platform. , 2014, , .		4
11	Kinematic model based path tracking algorithm for differential drive mobile robots. , 2014, , .		1
12	Image processing based indoor localization system. , 2014, , .		4
13	Development and optimization of a DSP-based real-time lane detection algorithm on a mobile platform. Turkish Journal of Electrical Engineering and Computer Sciences, 2014, 22, 1484-1500.	1.4	8
14	Prediction of fetal state from the cardiotocogram recordings using adaptive neuro-fuzzy inference systems. Neural Computing and Applications, 2013, 23, 1583-1589.	5.6	48
15	ANN- and ANFIS-based multi-staged decision algorithm for the detection and diagnosis of bearing faults. Neural Computing and Applications, 2013, 22, 435-446.	5.6	66
16	A Medical Decision Support System Based on Support Vector Machines and the Genetic Algorithm for the Evaluation of Fetal Well-Being. Journal of Medical Systems, 2013, 37, 9913.	3.6	97
17	Vision based magnetic levitation system. , 2012, , .		3
18	Obstacle and optimal heading direction detection algorithm on a mobile robot platform. , 2012, , .		2

#	ARTICLE	IF	CITATIONS
19	A support vector machine-based online tool condition monitoring for milling using sensor fusion and a genetic algorithm. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2012, 226, 1808-1818.	2.4	50
20	Development and optimization of dsp based real time lane detection algorithm on a mobile robot platform. , 2012, , .		2
21	Prediction of Plantar Shear Stress Distribution by Artificial Intelligence Methods. Journal of Biomechanical Engineering, 2009, 131, 091007.	1.3	15
22	Automatic detection of epileptic seizures in EEG using discrete wavelet transform and approximate entropy. Expert Systems With Applications, 2009, 36, 2027-2036.	7.6	676
23	Tool wear condition monitoring using a sensor fusion model based on fuzzy inference system. Mechanical Systems and Signal Processing, 2009, 23, 539-546.	8.0	137
24	Bearing condition diagnosis and prognosis using applied nonlinear dynamical analysis of machine vibration signal. Journal of Sound and Vibration, 2008, 317, 112-126.	3.9	83
25	Optimal classification of epileptic seizures in EEG using wavelet analysis and genetic algorithm. Signal Processing, 2008, 88, 1858-1867.	3.7	151
26	Post-sigh breathing behavior and spontaneous pauses in the C57BL/6J (B6) mouse. Respiratory Physiology and Neurobiology, 2008, 162, 117-125.	1.6	75
27	Determining bearing faults using wavelet and approximate entropy. , 2008, , .		1
28	Online tracking of bearing wear using wavelet packet decomposition and probabilistic modeling: A method for bearing prognostics. Journal of Sound and Vibration, 2007, 302, 951-961.	3.9	257
29	HMM-Based Fault Detection and Diagnosis Scheme for Rolling Element Bearings. Journal of Vibration and Acoustics, Transactions of the ASME, 2005, 127, 299-306.	1.6	106
30	Estimation of the running speed and bearing defect frequencies of an induction motor from vibration data. Mechanical Systems and Signal Processing, 2004, 18, 515-533.	8.0	116
31	Tool wear condition monitoring in drilling operations using hidden Markov models (HMMs). International Journal of Machine Tools and Manufacture, 2001, 41, 1363-1384.	13.4	158