

# Hasan Ocak

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Automatic detection of epileptic seizures in EEG using discrete wavelet transform and approximate entropy. <i>Expert Systems With Applications</i> , 2009, 36, 2027-2036.	7.6	676
2	Online tracking of bearing wear using wavelet packet decomposition and probabilistic modeling: A method for bearing prognostics. <i>Journal of Sound and Vibration</i> , 2007, 302, 951-961.	3.9	257
3	Tool wear condition monitoring in drilling operations using hidden Markov models (HMMs). <i>International Journal of Machine Tools and Manufacture</i> , 2001, 41, 1363-1384.	13.4	158
4	Optimal classification of epileptic seizures in EEG using wavelet analysis and genetic algorithm. <i>Signal Processing</i> , 2008, 88, 1858-1867.	3.7	151
5	Tool wear condition monitoring using a sensor fusion model based on fuzzy inference system. <i>Mechanical Systems and Signal Processing</i> , 2009, 23, 539-546.	8.0	137
6	Estimation of the running speed and bearing defect frequencies of an induction motor from vibration data. <i>Mechanical Systems and Signal Processing</i> , 2004, 18, 515-533.	8.0	116
7	HMM-Based Fault Detection and Diagnosis Scheme for Rolling Element Bearings. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2005, 127, 299-306.	1.6	106
8	A Medical Decision Support System Based on Support Vector Machines and the Genetic Algorithm for the Evaluation of Fetal Well-Being. <i>Journal of Medical Systems</i> , 2013, 37, 9913.	3.6	97
9	Bearing condition diagnosis and prognosis using applied nonlinear dynamical analysis of machine vibration signal. <i>Journal of Sound and Vibration</i> , 2008, 317, 112-126.	3.9	83
10	Post-sigh breathing behavior and spontaneous pauses in the C57BL/6J (B6) mouse. <i>Respiratory Physiology and Neurobiology</i> , 2008, 162, 117-125.	1.6	75
11	ANN- and ANFIS-based multi-staged decision algorithm for the detection and diagnosis of bearing faults. <i>Neural Computing and Applications</i> , 2013, 22, 435-446.	5.6	66
12	A support vector machine-based online tool condition monitoring for milling using sensor fusion and a genetic algorithm. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2012, 226, 1808-1818.	2.4	50
13	Prediction of fetal state from the cardiocotogram recordings using adaptive neuro-fuzzy inference systems. <i>Neural Computing and Applications</i> , 2013, 23, 1583-1589.	5.6	48
14	Design and Implementation of a Multi Sensor Based Brain Computer Interface for a Robotic Wheelchair. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2017, 87, 247-263.	3.4	37
15	A New Mobile Robot Toolbox for Matlab. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2017, 87, 125-140.	3.4	27
16	Prediction of Plantar Shear Stress Distribution by Artificial Intelligence Methods. <i>Journal of Biomechanical Engineering</i> , 2009, 131, 091007.	1.3	15
17	Detection of Structural Magnet Defects for Permanent Magnet Synchronous Motors. <i>IEEE Transactions on Energy Conversion</i> , 2022, 37, 665-674.	5.2	9
18	Development and optimization of a DSP-based real-time lane detection algorithm on a mobile platform. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2014, 22, 1484-1500.	1.4	8

#	ARTICLE	IF	CITATIONS
19	Low Cost Easy-to-Install Indoor Positioning System. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 100, 131-144.	3.4	6
20	Development of a human tracking indoor mobile robot platform. , 2014, , .		4
21	Image processing based indoor localization system. , 2014, , .		4
22	Vision based magnetic levitation system. , 2012, , .		3
23	Real time control of a wheelchair based on EMG and Kinect for the disabled people. , 2015, , .		3
24	Image processing based package volume detection with Kinect. , 2015, , .		3
25	Obstacle and optimal heading direction detection algorithm on a mobile robot platform. , 2012, , .		2
26	Development and optimization of dsp based real time lane detection algorithm on a mobile robot platform. , 2012, , .		2
27	AŞsal DuruÅ Kontrol¼ Destekli Å–zgÅ¼n bir Dinamik Pencere YaklaÅ±mÅ±. Bilecik Åžeyh Edebali Åœniversitesi Fen, Bilimleri Dergisi, 2020, 7, 184-200.	0.6	2
28	Determining bearing faults using wavelet and approximate entropy. , 2008, , .		1
29	Kinematic model based path tracking algorithm for differential drive mobile robots. , 2014, , .		1
30	One dimensional moving obstacle detection method for mobile robotics applications. , 2018, , .		1
31	A Novel Local Motion Planner: Navibug. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 100, 987-1003.	3.4	1