Ilhan AydÄ±n

List of Publications by Year
in descending order

67 papers	1,450 citations	623188 14 h-index	752256 20 g-index
68 all docs	68 docs citations	68 times ranked	1141 citing authors

#	Article	IF	Citations
1	A multi-objective artificial immune algorithm for parameter optimization in support vector machine. Applied Soft Computing Journal, 2011, 11, 120-129.	4.1	174
2	A Novel Hybrid Deep Learning Model for Sentiment Classification. IEEE Access, 2020, 8, 58080-58093.	2.6	112
3	A New Experimental Approach Using Image Processing-Based Tracking for an Efficient Fault Diagnosis in Pantographâ€“Catenary Systems. IEEE Transactions on Industrial Informatics, 2017, 13, 635-643.	7.2	93
4	A navigation and reservation based smart parking platform using genetic optimization for smart cities. , 2017, , .		77
5	Chaotic-based hybrid negative selection algorithm and its applications in fault and anomaly detection. Expert Systems With Applications, 2010, 37, 5285-5294.	4.4	74
6	Anomaly detection using a modified kernel-based tracking in the pantographâ€“catenary system. Expert Systems With Applications, 2015, 42, 938-948.	4.4	67
7	A new method for early fault detection and diagnosis of broken rotor bars. Energy Conversion and Management, 2011, 52, 1790-1799.	4.4	62
8	An approach for automated fault diagnosis based on a fuzzy decision tree and boundary analysis of a reconstructed phase space. ISA Transactions, 2014, 53, 220-229.	3.1	52
9	A new arc detection method based on fuzzy logic using S-transform for pantographâ€“catenary systems. Journal of Intelligent Manufacturing, 2018, 29, 839-856.	4.4	47
10	Combined intelligent methods based on wireless sensor networks for condition monitoring and fault diagnosis. Journal of Intelligent Manufacturing, 2015, 26, 717-729.	4.4	46
11	A new IoT combined face detection of people by using computer vision for security application. , 2017, , .		43
12	A Robust Anomaly Detection in Pantograph-Catenary System Based on Mean-Shift Tracking and Foreground Detection. , 2013, , .		41
13	An Embedded Real-Time Object Detection and Measurement of its Size. , 2018, , .		38
14	A new approach based on firefly algorithm for vision-based railway overhead inspection system. Measurement: Journal of the International Measurement Confederation, 2015, 74, 43-55.	2.5	36
15	Defect classification based on deep features for railway tracks in sustainable transportation. Applied Soft Computing Journal, 2021, 111, 107706.	4.1	36
16	An adaptive artificial immune system for fault classification. Journal of Intelligent Manufacturing, 2012, 23, 1489-1499.	4.4	32
17	A face recognition method in the Internet of Things for security applications in smart homes and cities. , 2018, , .		31
18	A New Deep Learning Application Based on Movidius NCS for Embedded Object Detection and Recognition. , 2018, , .		30

#	ARTICLE	IF	CITATIONS
19	A new IoT combined body detection of people by using computer vision for security application. , 2017, , .		29
20	A new computer vision approach for active pantograph control. , 2013, , .		27
21	Fuzzy integral-based multi-sensor fusion for arc detection in the pantograph-catenary system. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2018, 232, 159-170.	1.3	26
22	Artificial immune classifier with swarm learning. Engineering Applications of Artificial Intelligence, 2010, 23, 1291-1302.	4.3	25
23	Rail defect detection with real time image processing technique. , 2016, , .		20
24	Artificial immune inspired fault detection algorithm based on fuzzy clustering and genetic algorithm methods. , 2008, , .		19
25	Particle swarm based arc detection on time series in pantograph-catenary system. , 2014, , .		16
26	IMU based adaptive blur removal approach using image processing for railway inspection. , 2016, , .		15
27	FPGA based intelligent condition monitoring of induction motors: Detection, diagnosis, and prognosis. , 2011, , .		14
28	Detection of pantograph geometric model based on fuzzy logic and image processing. , 2014, , .		12
29	Image processing and model based arc detection in pantograph catenary systems. , 2014, , .		11
30	Real-time condition monitoring approach of pantograph-catenary system using FPGA. , 2016, , .		11
31	SmartSenti: A Twitter-Based Sentiment Analysis System for the Smart Tourism in Turkey. , 2019, , .		11
32	A new method for time series classification using multi-dimensional phase space and a statistical control chart. Neural Computing and Applications, 2020, 32, 7439-7453.	3.2	11
33	Image processing based fault detection approach for rail surface. , 2015, , .		9
34	A New Approach for Baggage Inspection by using Deep Convolutional Neural Networks. , 2018, , .		9
35	A soft voting ensemble learning-based approach for multimodal sentiment analysis. Neural Computing and Applications, 2022, 34, 18391-18406.	3.2	8
36	Detection of rail faults using morphological feature extraction based image processing. , 2015, , .		7

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37	A Smart School by Using an Embedded Deep Learning Approach for Preventing Fake Attendance. , 2019, , .		7
38	Contactless Rail Profile Measurement and Rail Fault Diagnosis Approach Using Featured Pixel Counting. Intelligent Automation and Soft Computing, 2020, 26, 455-463.	1.6	6
39	Detection and Measurement of Railway Expansion Gap with Image Processing. , 2021, , .		6
40	Generation of classification rules using artificial immune system for fault diagnosis. , 2010, , .		5
41	A vision based inspection system using gaussian mixture model based interactive segmentation. , 2017, , .		5
42	A new fault diagnosis approach for induction motor using negative selection algorithm and its real-time implementation on FPGA. Journal of Intelligent and Fuzzy Systems, 2018, 34, 689-701.	0.8	5
43	Determination of Railway Track Gauge with Image Processing. , 2021, , .		5
44	Minimization of torque ripples of interior permanent magnet synchronous motors by particle swarm optimization technique. , 2015, , .		4
45	A new real-time fuzzy logic based diagnosis of stator faults for inverter-fed induction motor under low speeds. , 2016, , .		3
46	Defect Diagnosis of Rolling Element Bearing using Deep Learning. , 2018, , .		3
47	Bearing Fault Diagnosis in Traction Motor Using the Features Extracted from Filtered Signals. , 2019, , .		3
48	Development of Vision-Based Autonomous UAV for Railway Tracking. , 2021, , .		3
49	Grey clustering based diagnosis of induction motor faults. , 2009, , .		2
50	FPGA based real time fuzzy fault detection algorithm. , 2010, , .		2
51	Wireless sensor network based fault diagnosis approaches. , 2013, , .		2
52	Detection of Pantograph Collector Strips Using Correlation Method. , 2019, , .		2
53	Fuzzy PID Based Autonomous UAV Design for Railway Tracking. , 2021, , .		2
54	An Annotated Turkish Aspect Based Sentiment Analysis Corpus for Smart Tourism. , 2021, , .		2

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55	Mask R-CNN AlgoritmasÄ±nÄ± Kullanarak Demiryolu Travers Eksikliklerinin Tespiti Ä°Ã§in Otonom Ä°HA TasarÄ±mÄ±. FÄ±rat Ãœniversitesi MÃ¼hendislik Bilimleri Dergisi, 2022, 34, 409-420.	0.2	2
56	Transfer Learning Based Fault Detection Approach for Rail Components. , 2022, , .		2
57	A new object detection and classification method for quality control based on segmentation and geometric features. , 2017, , .		1
58	Sentiment classification with PSO based weighted K-NN. , 2017, , .		1
59	Derin Ã–ÄŸrenme YÃ¶ntemleri ile Demiryolu BaÄŸlantÄ± ElemanlarÄ±nÄ±n SÄ±nÄ±flandÄ±rÄ±lmasÄ±. European Journal of Science and Technology, 0, , .	0.5	1
60	TÃ¼rkÃ§e Tweetler iÃ§in Derin Ã–zellik Ã‡Ä±karÄ±mÄ± TabanlÄ± Yeni Bir Duygu SÄ±nÄ±flandÄ±rma Modeli. FÄ±rat Ãœniversitesi MÃ¼hendislik Bilimleri Dergisi, 2022, 34, 1-13.	0.2	1
61	DCGAN ve Siyam Sinir AÄŸÄ±nÄ± Kullanarak Demiryolu BaÄŸlantÄ± ElemanlarÄ±ndaki KusurlarÄ±n Tespiti. Demiryolu MÃ¼hendisliÄŸi, 0, , .	0.4	1
62	A Low-Cost Embedded Security System for UAV-Based Face Mask Detector Using IoT and Deep Learning to Reduce COVID-19. , 2022, , .		1
63	Rail Tracking and Detection with Drone in Gazebo Environment. , 2022, , .		1
64	Two-Stage Rail Defect Classification Based on Fuzzy Measure and Convolutional Neural Networks. Lecture Notes in Networks and Systems, 2022, , 769-776.	0.5	1
65	A new approach based on boundary analysis of reconstructed phase space for fault diagnosis. , 2013, , .		0
66	Determination of Bot Groups in Social Network Accounts by Multiple Sequence Alignment Method. , 2019, , .		0
67	Rail Tracking and Detection with Drone in Gazebo Environment. European Journal of Science and Technology, 0, , .	0.5	0