

# Ilhan Aydin

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Mask R-CNN Algoritması Kullanarak Demiryolu Travers Eksikliklerinin Tespiti İçin Otonom HA Tasarımı. Fırat Üniversitesi Mühendislik Bilimleri Dergisi, 2022, 34, 409-420.	0.2	2
2	Transfer Learning Based Fault Detection Approach for Rail Components. , 2022, , .		2
3	Türkçe Tweetler için Derin Öğelik Karar Tabanlı Yeni Bir Duygu Sınıflandırma Modeli. Fırat Üniversitesi Mühendislik Bilimleri Dergisi, 2022, 34, 1-13.	0.2	1
4	A Low-Cost Embedded Security System for UAV-Based Face Mask Detector Using IoT and Deep Learning to Reduce COVID-19. , 2022, , .		1
5	Rail Tracking and Detection with Drone in Gazebo Environment. , 2022, , .		1
6	A soft voting ensemble learning-based approach for multimodal sentiment analysis. Neural Computing and Applications, 2022, 34, 18391-18406.	3.2	8
7	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
8	Fuzzy PID Based Autonomous UAV Design for Railway Tracking. , 2021, , .		2
9	Defect classification based on deep features for railway tracks in sustainable transportation. Applied Soft Computing Journal, 2021, 111, 107706.	4.1	36
10	Development of Vision-Based Autonomous UAV for Railway Tracking. , 2021, , .		3
11	An Annotated Turkish Aspect Based Sentiment Analysis Corpus for Smart Tourism. , 2021, , .		2
12	Detection and Measurement of Railway Expansion Gap with Image Processing. , 2021, , .		6
13	Determination of Railway Track Gauge with Image Processing. , 2021, , .		5
14	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
15	A Novel Hybrid Deep Learning Model for Sentiment Classification. IEEE Access, 2020, 8, 58080-58093.	2.6	112
16	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
17	Bearing Fault Diagnosis in Traction Motor Using the Features Extracted from Filtered Signals. , 2019, , .		3
18	A Smart School by Using an Embedded Deep Learning Approach for Preventing Fake Attendance. , 2019, , .		7

#	ARTICLE	IF	CITATIONS
19	SmartSenti: A Twitter-Based Sentiment Analysis System for the Smart Tourism in Turkey. , 2019, , .		11
20	Determination of Bot Groups in Social Network Accounts by Multiple Sequence Alignment Method. , 2019, , .		0
21	Detection of Pantograph Collector Strips Using Correlation Method. , 2019, , .		2
22	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
23	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
24	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
25	Defect Diagnosis of Rolling Element Bearing using Deep Learning. , 2018, , .		3
26	An Embedded Real-Time Object Detection and Measurement of its Size. , 2018, , .		38
27	A New Approach for Baggage Inspection by using Deep Convolutional Neural Networks. , 2018, , .		9
28	A New Deep Learning Application Based on Movidius NCS for Embedded Object Detection and Recognition. , 2018, , .		30
29	A face recognition method in the Internet of Things for security applications in smart homes and cities. , 2018, , .		31
30	A navigation and reservation based smart parking platform using genetic optimization for smart cities. , 2017, , .		77
31	A new IoT combined face detection of people by using computer vision for security application. , 2017, , .		43
32	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
33	A new object detection and classification method for quality control based on segmentation and geometric features. , 2017, , .		1
34	Sentiment classification with PSO based weighted K-NN. , 2017, , .		1
35	A new IoT combined body detection of people by using computer vision for security application. , 2017, , .		29
36	A vision based inspection system using gaussian mixture model based interactive segmentation. , 2017, , .		5

#	ARTICLE	IF	CITATIONS
37	IMU based adaptive blur removal approach using image processing for railway inspection. , 2016, , .		15
38	Real-time condition monitoring approach of pantograph-catenary system using FPGA. , 2016, , .		11
39	Rail defect detection with real time image processing technique. , 2016, , .		20
40	A new real-time fuzzy logic based diagnosis of stator faults for inverter-fed induction motor under low speeds. , 2016, , .		3
41	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
42	Detection of rail faults using morphological feature extraction based image processing. , 2015, , .		7
43	Image processing based fault detection approach for rail surface. , 2015, , .		9
44	Minimization of torque ripples of interior permanent magnet synchronous motors by particle swarm optimization technique. , 2015, , .		4
45	Anomaly detection using a modified kernel-based tracking in the pantographâ€“catenary system. Expert Systems With Applications, 2015, 42, 938-948.	4.4	67
46	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
47	Particle swarm based arc detection on time series in pantograph-catenary system. , 2014, , .		16
48	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
49	Detection of pantograph geometric model based on fuzzy logic and image processing. , 2014, , .		12
50	Image processing and model based arc detection in pantograph catenary systems. , 2014, , .		11
51	A new computer vision approach for active pantograph control. , 2013, , .		27
52	A Robust Anomaly Detection in Pantograph-Catenary System Based on Mean-Shift Tracking and Foreground Detection. , 2013, , .		41
53	Wireless sensor network based fault diagnosis approaches. , 2013, , .		2
54	A new approach based on boundary analysis of reconstructed phase space for fault diagnosis. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
55	An adaptive artificial immune system for fault classification. Journal of Intelligent Manufacturing, 2012, 23, 1489-1499.	4.4	32
56	FPGA based intelligent condition monitoring of induction motors: Detection, diagnosis, and prognosis. , 2011, , .		14
57	A new method for early fault detection and diagnosis of broken rotor bars. Energy Conversion and Management, 2011, 52, 1790-1799.	4.4	62
58	A multi-objective artificial immune algorithm for parameter optimization in support vector machine. Applied Soft Computing Journal, 2011, 11, 120-129.	4.1	174
59	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
60	Artificial immune classifier with swarm learning. Engineering Applications of Artificial Intelligence, 2010, 23, 1291-1302.	4.3	25
61	FPGA based real time fuzzy fault detection algorithm. , 2010, , .		2
62	Generation of classification rules using artificial immune system for fault diagnosis. , 2010, , .		5
63	Grey clustering based diagnosis of induction motor faults. , 2009, , .		2
64	Artificial immune inspired fault detection algorithm based on fuzzy clustering and genetic algorithm methods. , 2008, , .		19
65	Derin Ä–Ärenme YÄrntemleri ile Demiryolu BaÄŸlantÄ± ElemanlarÄ±ndaki KusurlarÄ±n Tespiti. European Journal of Science and Technology, 0, , .	0.5	1
66	DCGAN ve Siyam Sinir AÄŸÄ±nÄ± Kullanarak Demiryolu BaÄŸlantÄ± ElemanlarÄ±ndaki KusurlarÄ±n Tespiti. Demiryolu MÄ¼hendisliÄŸi, 0, , .	0.4	1
67	Rail Tracking and Detection with Drone in Gazebo Environment. European Journal of Science and Technology, 0, , .	0.5	0