

# YalÅ§in IÅler

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3425142/publications.pdf>

Version: 2024-02-01

67  
papers

733  
citations

840119

11  
h-index

580395

25  
g-index

67  
all docs

67  
docs citations

67  
times ranked

573  
citing authors

#	ARTICLE	IF	CITATIONS
1	Combining classical HRV indices with wavelet entropy measures improves to performance in diagnosing congestive heart failure. Computers in Biology and Medicine, 2007, 37, 1502-1510.	3.9	171
2	Comparison of different controllers for variable speed compressor and electronic expansion valve. International Journal of Refrigeration, 2010, 33, 1161-1168.	1.8	80
3	Investigating the performance improvement of HRV Indices in CHF using feature selection methods based on backward elimination and statistical significance. Computers in Biology and Medicine, 2014, 45, 72-79.	3.9	67
4	Multi-stage classification of congestive heart failure based on short-term heart rate variability. Chaos, Solitons and Fractals, 2019, 118, 145-151.	2.5	56
5	Early prediction of paroxysmal atrial fibrillation based on short-term heart rate variability. Physica A: Statistical Mechanics and Its Applications, 2018, 509, 56-65.	1.2	41
6	Comparison of the Effects of Cross-validation Methods on Determining Performances of Classifiers Used in Diagnosing Congestive Heart Failure. Measurement Science Review, 2015, 15, 196-201.	0.6	38
7	Heart rate normalization in the analysis of heart rate variability in congestive heart failure. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2010, 224, 453-463.	1.0	32
8	Discrimination of systolic and diastolic dysfunctions using multi-layer perceptron in heart rate variability analysis. Computers in Biology and Medicine, 2016, 76, 113-119.	3.9	26
9	Microcontroller-Based Experimental Setup and Experiments for SCADA Education. IEEE Transactions on Education, 2010, 53, 437-444.	2.0	19
10	Convolutional neural networks predict the onset of paroxysmal atrial fibrillation: Theory and applications. Chaos, 2021, 31, 113119.	1.0	18
11	Evaluation of mother wavelets on steady-state visually-evoked potentials for triple-command brain-computer interfaces. Turkish Journal of Electrical Engineering and Computer Sciences, 2021, 29, 2263-2279.	0.9	17
12	Frequency Recognition from Temporal and Frequency Depth of the Brain-Computer Interface based on Steady-State Visual Evoked Potentials. , 2021, , 68-73.		14
13	Microcontroller-Based Robotics and SCADA Experiments. IEEE Transactions on Education, 2013, 56, 424-429.	2.0	11
14	Heavy metals in Mytilus galloprovincialis, suspended particulate matter and sediment from offshore submerged longline system, Black Sea. International Journal of Environmental Science and Technology, 2017, 14, 385-396.	1.8	11
15	Investigating the Effect of Flickering Frequency Pair and Mother Wavelet Selection in Steady-State Visually-Evoked Potentials on Two-Command Brain-Computer Interfaces. Irbm, 2022, 43, 594-603.	3.7	11
16	Early prediction of Paroxysmal Atrial Fibrillation using frequency domain measures of heart rate variability. , 2016, , .		10
17	Spatiotemporal chaotification of delta robot mixer for homogeneous graphene nanocomposite dispersing. Robotics and Autonomous Systems, 2020, 134, 103633.	3.0	10
18	Use of clustering algorithms and extreme learning machine in determining arrhythmia types. , 2017, , .		8

#	ARTICLE	IF	CITATIONS
19	Medical devices sector in medical industry 4.0. , 2017, , .		8
20	The effect of principal component analysis in the diagnosis of congestive heart failure via heart rate variability analysis. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2021, 235, 1479-1488.	1.0	8
21	A computer software for simulating single-compartmental model of neurons. Computer Methods and Programs in Biomedicine, 2004, 75, 51-57.	2.6	7
22	Design of microcontroller-based decentralized controller board to drive chiller systems using PID and fuzzy logic algorithms. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2020, 234, 98-107.	1.4	7
23	Motor Imaginary Task Classification using Statistically Significant Time Domain and Frequency Domain EEG features. , 2022, , 49-54.		6
24	UyarĖm frekansĖn kestiriminde istatistiksel anlamlĖya dayalĖ olarak seĖsilen duraĖan durum gĖrsel uyarĖlmĖ potansiyellere ait dalgacĖk Ėz niteliklerinin deĖerlendirilmesi. Journal of the Faculty of Engineering and Architecture of Gazi University, 2021, 36, 593-606.	0.3	5
25	DuraĖan Durum GĖrsel UyarĖn Potansiyellerinden Fourier DĖnĖmĖ ile ĖceĖ Farklı Komutun Kestirimi. DĖzce Ėniversitesi Bilim Ve Teknoloji Dergisi, 0, , .	0.2	5
26	Comparison of Cortical Auditory Evoked Potential Findings in Presbycusis with Low and High Word Recognition Score. Journal of the American Academy of Audiology, 2020, 31, 442-448.	0.4	4
27	Detection of new coronavirus disease from chest x-ray images using pre-trained convolutional neural networks. Journal of the Faculty of Engineering and Architecture of Gazi University, 2021, 36, 2095-2108.	0.3	4
28	Effect of linear and non-linear measurements of heart rate variability in prediction of PAF attack. , 2017, , .		3
29	Efficiency evaluation of rapid maxillary expansion treatment on nasal septal deviation using tortuosity ratio from cone-beam computer tomography images. Computer Methods and Programs in Biomedicine, 2020, 188, 105260.	2.6	3
30	WEKA YazĖlmĖ Paketinin SiĖil Tedavi YĖntemlerinin BaĖarĖsĖn Tahmininde KullanĖmĖ. DĖzce Ėniversitesi Bilim Ve Teknoloji Dergisi, 2019, 7, 699-708.	0.2	3
31	Biomechanical Comparison of a Closed-Loop Double Endobutton to a Lag Screw in Fixation of Posterior Malleolar Fractures. Journal of Foot and Ankle Surgery, 2022, 61, 975-978.	0.5	3
32	Final Prediction Error of Autoregressive Model as a New Feature in the Analysis of Heart Rate Variability. , 2007, , .		2
33	A software for simulating steady-state properties of passive dendrites based on the cable theory. Computer Methods and Programs in Biomedicine, 2007, 88, 264-272.	2.6	2
34	A microcontroller based test platform for controller design. , 2010, , .		2
35	Effect of principal component analysis on diagnosing congestive heart failure patients using heart rate records. , 2012, , .		2
36	Development and evaluation of transfer functions for a variable speed compressor. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2012, 226, 216-228.	1.4	2

#	ARTICLE	IF	CITATIONS
37	Choose of wart treatment method using Naive Bayes and k-nearest neighbors classifiers. , 2018, , .		2
38	Diagnosis of paroxysmal atrial fibrillation from thirty-minute heart rate variability data using convolutional neural networks. Turkish Journal of Electrical Engineering and Computer Sciences, 2021, 29, 2886-2900.	0.9	2
39	Diagnosis of congestive heart failure patients using Poincare measures derived from ECG signals. , 2009, , .		1
40	Real-Time Simulation Platform forÄController Design, Test, and Redesign. Computational Analysis, Synthesis, and Design of Dynamic Models Series, 2012, , 461-500.	0.2	1
41	Operation of Compressor and Electronic Expansion Valve via Different Controllers. , 0, , .		1
42	Determination of the exact value of the regularization parameter in smoothness priors method with respect to the corresponding cut-off frequencies for designing filters. , 2013, , .		1
43	Comparison of classifier performances in diagnosing congestive heart failure using heart rate variability. , 2013, , .		1
44	Use of Support Vector Machines to Predict the Success of Wart Treatment Methods. , 2018, , .		1
45	Effect of Feature Selection by Genetic Algorithm on Early Prediction Performance of PAF Attack. , 2018, , .		1
46	Poincare Äřizimi Ä–lÄŞÄ¼mlelerinden Topluluk Ä–ÄŸrenmesi YÄŸntemleri KullanÄ±larak Proses Kontrol Sistemlerinde ArÄ±za Tespit ve TeÄŸhisi. European Journal of Science and Technology, 0, , .	0.5	1
47	Plant Implementation for Wireless Remote Control. , 2019, , 54-57.		1
48	Implementation of DC Motor Control Experimental Setup Platform for Intelligent System Applications. , 2019, , 119-123.		1
49	Design of 3D Digitization Integrated Robotic Arm to Help Clinical Applications. , 2019, , 162-166.		1
50	Comparison of Cortical Auditory Evoked Potential Findings in Presbycusis with Low and High Word Recognition Score. Journal of the American Academy of Audiology, 2019, , 0.	0.4	1
51	Detailed Investigation of Three-Dimensional Modeling and Printing Technologies from Medical Images to Analyze Femoral Head Fractures Using Finite Element Analysis. Irbm, 2022, 43, 604-613.	3.7	1
52	Detection of Spikes with Multiple Layer Perceptron Network Structures. , 0, , .		0
53	Classification of Branch Block Beats using Higher Order Spectral Analysis and Neural Networks. , 0, , .		0
54	Investigating the Effects of Wavelet Entropy in Heart Rate Variability Analysis for Diagnosing of Congestive Heart Failure. , 0, , .		0

#	ARTICLE	IF	CITATIONS
55	Investigating Effects of Wavelet Entropy Detailed Measures in Heart Rate Variability Analysis. , 2007, , .		0
56	Investigating the effects of the methods used in frequency domain measures in heart rate variability analysis. , 2008, , .		0
57	Microcontroller based Hodgkin-Huxley model neuron simulation. , 2009, , .		0
58	Development of innovative custom design bioprinter. , 2016, , .		0
59	Wristband design to support blind people. , 2017, , .		0
60	System design for entertainment based rehabilitation of the upper extremity. , 2017, , .		0
61	Computer-assisted diagnosis of vertebral column diseases by adaptive neuro-fuzzy inference system. , 2018, , .		0
62	Design of a new mechanism in medical applications with laser. , 2018, , .		0
63	New-Age Pyroelectric Radiographic X-Ray Generators. Natural and Engineering Sciences, 2019, 4, 125-132.	0.2	0
64	Early Prediction of Paroxysmal Atrial Fibrillation using Wavelet Transform Methods. , 2019, , 111-114.		0
65	Eog-Based Device Control Interface for Patients with Quadriplegia. , 2019, , 167-171.		0
66	A Practical Compensation Method for Differential Column Shortenings in High-rise Reinforced Concrete Buildings. Periodica Polytechnica: Civil Engineering, 0, , .	0.6	0
67	Virtual Reality Applications in Nursing. , 2020, , 122-129.		0