Feyzullah Temurtas

List of Publications by Year
in descending order

47	1,382	393982	344852
papers	citations	19 h-index	36 g-index

48	48	48	1217
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A comparative study on diabetes disease diagnosis using neural networks. Expert Systems With Applications, 2009, 36, 8610-8615.	4.4	235
2	A comparative study on thyroid disease diagnosis using neural networks. Expert Systems With Applications, 2009, 36, 944-949.	4.4	142
3	Chest diseases diagnosis using artificial neural networks. Expert Systems With Applications, 2010, 37, 7648-7655.	4.4	133
4	Tuberculosis Disease Diagnosis Using Artificial Neural Networks. Journal of Medical Systems, 2010, 34, 299-302.	2.2	98
5	A study on quantitative classification of binary gas mixture using neural networks and adaptive neuro-fuzzy inference systems. Sensors and Actuators B: Chemical, 2006, 115, 252-262.	4.0	77
6	An approach based on probabilistic neural network for diagnosis of Mesotheliomaâ€™s disease. Computers and Electrical Engineering, 2012, 38, 75-81.	3.0	59
7	A Study on Hepatitis Disease Diagnosis Using Multilayer Neural Network with Levenberg Marquardt Training Algorithm. Journal of Medical Systems, 2011, 35, 433-436.	2.2	52
8	Harmonic detection using feed forward and recurrent neural networks for active filters. Electric Power Systems Research, 2004, 72, 33-40.	2.1	46
9	Spectral feature extraction of EEG signals and pattern recognition during mental tasks of 2-D cursor movements for BCI using SVM and ANN. Australasian Physical and Engineering Sciences in Medicine, 2016, 39, 665-676.	1.4	40
10	A Study on Chronic Obstructive Pulmonary Disease Diagnosis Using Multilayer Neural Networks. Journal of Medical Systems, 2008, 32, 429-432.	2.2	34
11	A Comparative Study on Chronic Obstructive Pulmonary and Pneumonia Diseases Diagnosis using Neural Networks and Artificial Immune System. Journal of Medical Systems, 2009, 33, 485-492.	2.2	34
12	Diagnosis of chest diseases using artificial immune system. Expert Systems With Applications, 2012, 39, 1862-1868.	4.4	31
13	Multi-channel EEG signal feature extraction and pattern recognition on horizontal mental imagination task of 1-D cursor movement for brain computer interface. Australasian Physical and Engineering Sciences in Medicine, 2015, 38, 229-239.	1.4	28
14	Tunable energy harvesting on UHF bands especially for GSM frequencies. International Journal of Microwave and Wireless Technologies, 2018, 10, 67-76.	1.5	28
15	GKP Signal Processing Using Deep CNN and SVM for Tongue-Machine Interface. Traitement Du Signal, 2019, 36, 319-329.	0.8	26
16	A study on transient and steady state sensor data for identification of individual gas concentrations in their gas mixtures. Sensors and Actuators B: Chemical, 2007, 121, 590-599.	4.0	23
17	A study on radial basis function neural network size reduction for quantitative identification of individual gas concentrations in their gas mixtures. Sensors and Actuators B: Chemical, 2007, 124, 383-392.	4.0	23
18	An application of neural networks for harmonic coefficients and relative phase shifts detection. Expert Systems With Applications, 2011, 38, 3446-3450.	4.4	22

#	Article	IF	Citations
19	Quantitative discrimination of the binary gas mixtures using a combinational structure of the probabilistic and multilayer neural networks. Sensors and Actuators B: Chemical, 2008, 131, 196-204.	4.0	21
20	A Comparative Study on Parkinson's Disease Diagnosis Using Neural Networks and Artificial Immune System. Journal of Medical Imaging and Health Informatics, 2016, 6, 264-268.	0.2	20
21	An application of multilayer neural network on hepatitis disease diagnosis using approximations of sigmoid activation function. Dicle Medical Journal, 2015, 42, .	0.2	20
22	A comparative study on parameters estimation of squirrel cage induction motors using neural networks with unmemorized training. Engineering Science and Technology, an International Journal, 2020, 23, 1126-1133.	2.0	17
23	Application of neural generalized predictive control to robotic manipulators with a cubic trajectory and random disturbances. Robotics and Autonomous Systems, 2006, 54, 74-83.	3.0	15
24	Improved machine learning performances with transfer learning to predicting need for hospitalization in arboviral infections against the small dataset. Neural Computing and Applications, 2021, 33, 14975-14989.	3.2	14
25	A comparative study on classification of magnetoencephalography signals using probabilistic neural network and multilayer neural network. Soft Computing, 2021, 25, 2267-2275.	2.1	13
26	BZK.SAU: Implementing a hardware and software-based Computer Architecture simulator for educational purpose. , 2010, , .		12
27	Glossokinetic potential based tongueâ€“machine interface for 1-D extraction. Australasian Physical and Engineering Sciences in Medicine, 2018, 41, 379-391.	1.4	11
28	A study on industrial robotic manipulator model using model based predictive controls. Journal of Intelligent Manufacturing, 2009, 20, 233-241.	4.4	9
29	BZK.SAU.FPGA10.1: A modular approach to FPGAâ€based micro computer architecture design for educational purpose. Computer Applications in Engineering Education, 2014, 22, 272-282.	2.2	9
30	Glossokinetic potential based tongueâ€“machine interface for 1-D extraction using neural networks. Biocybernetics and Biomedical Engineering, 2018, 38, 745-759.	3.3	9
31	Fast detection of hazardous organic gases in the ambient air using adaptive neuro-fuzzy inference systems. International Journal of Environment and Pollution, 2006, 28, 352.	0.2	7
32	A FPGA based remote accessible digital system laboratory prototype. , 2012, , .		7
33	Quantitative classification of HbA1C and blood glucose level for diabetes diagnosis using neural networks. Australasian Physical and Engineering Sciences in Medicine, 2013, 36, 397-403.	1.4	7
34	On the improvement of the teaching quality and learning effectiveness in the computer organization course through FPGA and modular centered microcomputer design. Computer Applications in Engineering Education, 2018, 26, 1825-1840.	2.2	7
35	BZK.SAU.FPGA10.0: Microprocessor architecture design on reconfigurable hardware as an educational tool. , 2011, , .		6
36	GÃ¶rsel Uyaranlara Ã°liÅŸkin Manyetoensefalografi Sinyallerinin GenelleÅŸtirilmiÅŸ Regresyon Sinir AÄŸÄ± ile SÄ±nÄ±flandÄ±rÄ±lmasÄ±. Dicle Medical Journal, 0, , 19-25.	0.2	6

#	Article	IF	Citations
37	A neural network implemented microcontroller system for quantitative classification of hazardous organic gases in the ambient air. International Journal of Environment and Pollution, 2009, 36, 151.	0.2	4
38	A FPGA based digital design training platform. , 2011, , .		4
39	Prediction of the Force on a Projectile in an Electromagnetic Launcher Coil with Multilayer Neural Network. Sakarya University Journal of Computer and Information Sciences, 2018, 1, 1-10.	0.6	4
40	Harmonic Detection Using Neural Networks with Conjugate Gradient Algorithm. Lecture Notes in Computer Science, 2004, , 304-311.	1.0	3
41	An Experimental Study on Sensorless Determination of the Projectile Position by Artificial Neural Network in Magnetic Launcher Systems. IEEE Transactions on Plasma Science, 2021, 49, 3970-3979.	0.6	3
42	Image thresholding using measures of fuzziness. , 0, , .		2
43	An implementation of analog portable EEG signal extraction system. , 2015, , .		2
44	A Modular Approach to Arithmetic and Logic Unit Design on a Reconfigurable Hardware Platform for Educational Purpose. Communications in Computer and Information Science, 2011, , 338-346.	0.4	2
45	Tongue-Operated Biosignal over EEG and Processing with Decision Tree and kNN. Academic Platform Journal of Engineering and Science, 2021, 9, 112-125.	0.5	1
46	Yapay Sinir AÄŸlarÄ± YÃ¶ntemi ile Ä°kinci KuÅŸak AkÄ±m TaÅŸÄ±yÄ±cÄ±nÄ±n Performans Parametrelerinin Tahmin Edilmesi. MÃ¼hendislik Bilimleri Ve AraÅŸtÄ±rmalarÄ± Dergisi, 2019, 1, 13-23.	0.3	1
47	Estimation of Permanent Magnet Synchronous Generator Performance with Artificial Neural Network Models. Sakarya University Journal of Computer and Information Sciences, 0, , 59-72.	0.6	0