Mehmet Sıraç Özerdem

List of Publications by Year
in descending order

26 papers	579 citations	932766 10 h-index	794141 19 g-index
26 all docs	26 docs citations	26 times ranked	706 citing authors

#	Article	IF	Citations
1	Epilepsy Detection by Using Scalogram Based Convolutional Neural Network from EEG Signals. Brain Sciences, 2019, 9, 115.	1.1	124
2	Emotion recognition based on EEG features in movie clips with channel selection. Brain Informatics, 2017, 4, 241-252.	1.8	96
3	Artificial neural network approach to predict the mechanical properties of Cuâ€"Snâ€"Pbâ€"Znâ€"Ni cast alloys. Materials & Design, 2009, 30, 764-769.	5.1	95
4	Artificial Neural Network approach to predict mechanical properties of hot rolled, nonresulfurized, AISI 10xx series carbon steel bars. Journal of Materials Processing Technology, 2008, 199, 437-439.	3.1	44
5	Complexity of EEG Dynamics for Early Diagnosis of Alzheimer's Disease Using Permutation Entropy Neuromarker. Computer Methods and Programs in Biomedicine, 2021, 206, 106116.	2.6	37
6	Suppression of impulse noise in MR images using artificial intelligent based neuro-fuzzy adaptive median filter. , 2008, 18, 391-405.		22
7	Classification of imaginary movements in ECoG with a hybrid approach based on multi-dimensional Hilbert-SVM solution. Journal of Neuroscience Methods, 2009, 178, 214-218.	1.3	22
8	Soil Moisture Estimation over Vegetated Agricultural Areas: Tigris Basin, Turkey from Radarsat-2 Data by Polarimetric Decomposition Models and a Generalized Regression Neural Network. Remote Sensing, 2017, 9, 395.	1.8	20
9	Comparison of NDVI and RVI Vegetation Indices Using Satellite Images. , 2019, , .		15
10	Effects of local vibration and pulsed electromagnetic field on bone fracture: A comparative study. Bioelectromagnetics, 2017, 38, 339-348.	0.9	14
11	Application of ANN in the prediction of the pore concentration of aluminum metal foams manufactured by powder metallurgy methods. International Journal of Advanced Manufacturing Technology, 2008, 39, 251-256.	1.5	13
12	Self-organized maps based neural networks for detection of possible earthquake precursory electric field patterns. Advances in Engineering Software, 2006, 37, 207-217.	1.8	11
13	Treatment of osteoporosis by long-term magnetic field with extremely low frequency in rats. Gynecological Endocrinology, 2009, 25, 524-529.	0.7	10
14	Machine Learning based Regression Model for Prediction of Soil Surface Humidity over Moderately Vegetated Fields. , 2019, , .		10
15	Introduction to Wavelets and their applications in signal denoising. Bitlis Eren University Journal of Science and Technology, 2018, 8, 1-10.	0.5	10
16	Artificial neural network approach to predict the electrical conductivity and density of Agâ€"Ni binary alloys. Journal of Materials Processing Technology, 2008, 208, 470-476.	3.1	8
17	Evaluation of potential auras in generalized epilepsy from EEG signals using deep convolutional neural networks and time-frequency representation. Biomedizinische Technik, 2020, 65, 379-391.	0.9	8
18	On a yearly basis prediction of soil water content utilizing sar data: a machine learning and feature selection approach. Turkish Journal of Electrical Engineering and Computer Sciences, 2020, 28, 2316-2330.	0.9	7

#	Article	IF	Citations
19	Determination of ECoG information flow activity based on Granger causality and Hilbert transformation. Computer Methods and Programs in Biomedicine, 2013, 112, 481-489.	2.6	3
20	The convolutional neural network approach from electroencephalogram signals in emotional detection. Concurrency Computation Practice and Experience, 2021, 33, e6356.	1.4	3
21	Prediction of behavior of fresh concrete exposed to vibration using artificial neural networks and regression model. Structural Engineering and Mechanics, 2016, 60, 655-665.	1.0	3
22	Mental activity detection from EEG records using local binary pattern method. , 2017, , .		2
23	Autoencoders Based Deep Learning Approach for Focal-Nonfocal EEG Classification Problem. , 2019, , .		1
24	Classification of Epilepsy Types from Electroencephalogram Time Series Using Continuous Wavelet Transform Scalogram–Based Convolutional Neural Network. Journal of Testing and Evaluation, 2021, 49, 2491-2506.	0.4	1
25	Analysis of Permanent Magnet Synchronous Motor Current in Healthy and Short Circuit Failure Cases With Discrete Wavelet Transform. , 2019, , .		0
26	RECOGNITION OF IRREGULARLY SHAPED WORDS BY USING FRACTAL DIMENSION. European Journal of Technic, 2018, 8, 186-195.	0.2	0