Abdulkadir Sengur

List of Publications by Citations

140 papers	4,453 citations	37 h-index	62 g-index
163 ext. papers	5,824 ext. citations	4.7 avg, IF	6.71 L-index

#	Paper	IF	Citations
140	Effective diagnosis of heart disease through neural networks ensembles. *Expert Systems With Applications*, **2009**, 36, 7675-7680	7.8	310
139	Deep learning approaches for COVID-19 detection based on chest X-ray images. *Expert Systems With Applications*, **2021**, 164, 114054	7.8	199
138	Artificial neural network and wavelet neural network approaches for modelling of a solar air heater. *Expert Systems With Applications*, **2009**, 36, 11240-11248	7.8	198
137	Performance prediction of a ground-coupled heat pump system using artificial neural networks. *Expert Systems With Applications*, **2008**, 35, 1940-1948	7.8	170
136	Artificial neural networks and adaptive neuro-fuzzy assessments for ground-coupled heat pump system. *Energy and Buildings*, **2008**, 40, 1074-1083	7	166
135	Forecasting of a ground-coupled heat pump performance using neural networks with statistical data weighting pre-processing. *International Journal of Thermal Sciences*, **2008**, 47, 431-441	4.1	133
134	Modelling of a new solar air heater through least-squares support vector machines. *Expert Systems With Applications*, **2009**, 36, 10673-10682	7.8	132
133	Modeling a ground-coupled heat pump system by a support vector machine. *Renewable Energy*, **2008**, 33, 1814-1823	8.1	107
132	Modelling a ground-coupled heat pump system using adaptive neuro-fuzzy inference systems. *International Journal of Refrigeration*, **2008**, 31, 65-74	3.8	102
131	NCM: Neutrosophic c-means clustering algorithm. *Pattern Recognition*, **2015**, 48, 2710-2724	7.7	100
130	Predicting performance of a ground-source heat pump system using fuzzy weighted pre-processing-based ANFIS. *Building and Environment*, **2008**, 43, 2178-2187	6.5	96
129	Transfer learning based histopathologic image classification for breast cancer detection. *Health Information Science and Systems*, **2018**, 6, 18	5.1	96
128	Color texture image segmentation based on neutrosophic set and wavelet transformation. *Computer Vision and Image Understanding*, **2011**, 115, 1134-1144	4.3	91
127	Convolutional Neural Network Based Approach Towards Motor Imagery Tasks EEG Signals Classification. *IEEE Sensors Journal*, **2019**, 19, 4494-4500	4	72
126	Wavelet transform and adaptive neuro-fuzzy inference system for color texture classification. *Expert Systems With Applications*, **2008**, 34, 2120-2128	7.8	68
125	A novel image thresholding algorithm based on neutrosophic similarity score. *Measurement: Journal of the International Measurement Confederation*, **2014**, 58, 175-186	4.6	66
124	Diagnosis of valvular heart disease through neural networks ensembles. *Computer Methods and Programs in Biomedicine*, **2009**, 93, 185-91	6.9	64

123	Evaluation of ensemble methods for diagnosing of valvular heart disease. *Expert Systems With Applications*, **2010**, 37, 5110-5115	7.8	64
122	Wavelet packet neural networks for texture classification. *Expert Systems With Applications*, **2007**, 32, 527-533	7.8	64
121	An expert system based on principal component analysis, artificial immune system and fuzzy k-NN for diagnosis of valvular heart diseases. *Computers in Biology and Medicine*, **2008**, 38, 329-38	7	63
120	A novel breast ultrasound image segmentation algorithm based on neutrosophic similarity score and level set. *Computer Methods and Programs in Biomedicine*, **2016**, 123, 43-53	6.9	62
119	An expert system based on linear discriminant analysis and adaptive neuro-fuzzy inference system to diagnosis heart valve diseases. *Expert Systems With Applications*, **2008**, 35, 214-222	7.8	56
118	A Novel Color Image Segmentation Approach Based on Neutrosophic Set and Modified Fuzzy c-Means. *Circuits, Systems, and Signal Processing*, **2013**, 32, 1699-1723	2.2	50
117	Computer-aided diagnosis system combining FCN and Bi-LSTM model for efficient breast cancer detection from histopathological images. *Applied Soft Computing Journal*, **2019**, 85, 105765	7.5	49
116	Convolutional neural networks based efficient approach for classification of lung diseases. *Health Information Science and Systems*, **2020**, 8, 4	5.1	49
115	Shape feature encoding via Fisher Vector for efficient fall detection in depth-videos. *Applied Soft Computing Journal*, **2015**, 37, 1023-1028	7.5	48
114	An Effective Hybrid Model for EEG-Based Drowsiness Detection. *IEEE Sensors Journal*, **2019**, 19, 7624-7631	4	48
113	A novel image segmentation algorithm based on neutrosophic similarity clustering. *Applied Soft Computing Journal*, **2014**, 25, 391-398	7.5	46
112	Features based on analytic IMF for classifying motor imagery EEG signals in BCI applications. *Measurement: Journal of the International Measurement Confederation*, **2018**, 116, 68-76	4.6	43
111	A retinal vessel detection approach using convolution neural network with reinforcement sample learning strategy. *Measurement: Journal of the International Measurement Confederation*, **2018**, 125, 586-591	4.6	42
110	A robust technique based on invariant moments ANFIS for recognition of human parasite eggs in microscopic images. *Expert Systems With Applications*, **2008**, 35, 728-738	7.8	42
109	Multiclass least-squares support vector machines for analog modulation classification. *Expert Systems With Applications*, **2009**, 36, 6681-6685	7.8	40
108	Comparison of clustering algorithms for analog modulation classification. *Expert Systems With Applications*, **2006**, 30, 642-649	7.8	39
107	Cascaded deep convolutional encoder-decoder neural networks for efficient liver tumor segmentation. *Medical Hypotheses*, **2020**, 134, 109431	3.8	39
106	Exploring Hermite transformation in brain signal analysis for the detection of epileptic seizure. *IET Science, Measurement and Technology*, **2019**, 13, 35-41	1.5	38

105	Efficient deep features selections and classification for flower species recognition. *Measurement: Journal of the International Measurement Confederation*, **2019**, 137, 7-13	4.6	38
104	Multi-model LSTM-based convolutional neural networks for detection of apple diseases and pests. *Journal of Ambient Intelligence and Humanized Computing*, **2019**, 1	3.7	38
103	Multi-category EEG signal classification developing time-frequency texture features based Fisher Vector encoding method. *Neurocomputing*, **2016**, 218, 251-258	5.4	37
102	A New Deep CNN Model for Environmental Sound Classification. *IEEE Access*, **2020**, 8, 66529-66537	3.5	34
101	NS-k-NN: Neutrosophic Set-Based k-Nearest Neighbors Classifier. *Symmetry*, **2017**, 9, 179	2.7	33
100	A novel image edge detection algorithm based on neutrosophic set. *Computers and Electrical Engineering*, **2014**, 40, 3-25	4.3	33
99	Silhouette Orientation Volumes for Efficient Fall Detection in Depth Videos. *IEEE Journal of Biomedical and Health Informatics*, **2017**, 21, 756-763	7.2	32
98	Time-frequency texture descriptors of EEG signals for efficient detection of epileptic seizure. *Brain Informatics*, **2016**, 3, 101-108	5.9	32
97	A new pyramidal concatenated CNN approach for environmental sound classification. *Applied Acoustics*, **2020**, 170, 107520	3.1	32
96	A novel image segmentation approach based on neutrosophic c-means clustering and indeterminacy filtering. *Neural Computing and Applications*, **2017**, 28, 3009-3019	4.8	31
95	Feature extraction method for classification of alertness and drowsiness states EEG signals. *Applied Acoustics*, **2020**, 163, 107224	3.1	30
94	Classification of amyotrophic lateral sclerosis disease based on convolutional neural network and reinforcement sample learning algorithm. *Health Information Science and Systems*, **2017**, 5, 9	5.1	29
93	Efficient Airport Detection Using Line Segment Detector and Fisher Vector Representation. *IEEE Geoscience and Remote Sensing Letters*, **2016**, 13, 1079-1083	4.1	29
92	A New Framework for Automatic Detection of Patients With Mild Cognitive Impairment Using Resting-State EEG Signals. *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, **2020**, 28, 1966-1976	4.8	29
91	A novel retinal vessel detection approach based on multiple deep convolution neural networks. *Computer Methods and Programs in Biomedicine*, **2018**, 167, 43-48	6.9	29
90	Classification of Lung Sounds With CNN Model Using Parallel Pooling Structure. *IEEE Access*, **2020**, 8, 105376-105383	3.5	28
89	NECM: Neutrosophic evidential c-means clustering algorithm. *Neural Computing and Applications*, **2015**, 26, 561-571	4.8	27
88	A Retinal Vessel Detection Approach Based on Shearlet Transform and Indeterminacy Filtering on Fundus Images. *Symmetry*, **2017**, 9, 235	2.7	27

87	Surface EMG signals and deep transfer learning-based physical action classification. *Neural Computing and Applications*, **2019**, 31, 8455-8462	4.8	26
86	Investigation of complex modulus of base and SBS modified bitumen with artificial neural networks. *Expert Systems With Applications*, **2010**, 37, 7775-7780	7.8	26
85	Cascaded deep learning-based efficient approach for license plate detection and recognition. *Expert Systems With Applications*, **2020**, 149, 113280	7.8	25
84	DCCMED-Net: Densely connected and concatenated multi Encoder-Decoder CNNs for retinal vessel extraction from fundus images. *Medical Hypotheses*, **2020**, 134, 109426	3.8	25
83	Denoising of weak ECG signals by using wavelet analysis and fuzzy thresholding. *Network Modeling Analysis in Health Informatics and Bioinformatics*, **2012**, 1, 135-140	1.6	24
82	The investigation of multiresolution approaches for chest X-ray image based COVID-19 detection. *Health Information Science and Systems*, **2020**, 8, 29	5.1	24
81	A hybrid method based on time–frequency images for classification of alcohol and control EEG signals. *Neural Computing and Applications*, **2017**, 28, 3717-3723	4.8	23
80	An effective color image segmentation approach using neutrosophic adaptive mean shift clustering. *Measurement: Journal of the International Measurement Confederation*, **2018**, 119, 28-40	4.6	23
79	A novel microaneurysms detection approach based on convolutional neural networks with reinforcement sample learning algorithm. *Health Information Science and Systems*, **2017**, 5, 14	5.1	23
78	Support vector machine ensembles for intelligent diagnosis of valvular heart disease. *Journal of Medical Systems*, **2012**, 36, 2649-55	5.1	23
77	Emotion classification using flexible analytic wavelet transform for electroencephalogram signals. *Health Information Science and Systems*, **2018**, 6, 12	5.1	23
76	GA-SELM: Greedy algorithms for sparse extreme learning machine. *Measurement: Journal of the International Measurement Confederation*, **2014**, 55, 126-132	4.6	22
75	A hybrid method based on artificial immune system and fuzzy k-NN algorithm for diagnosis of heart valve diseases. *Expert Systems With Applications*, **2008**, 35, 1011-1020	7.8	21
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71	Modified neutrosophic approach to color image segmentation. *Journal of Electronic Imaging*, **2013**, 22, 013005	0.7	19
70	An Advanced Analysis System for Identifying Alcoholic Brain State Through EEG Signals. *International Journal of Automation and Computing*, **2019**, 16, 737-747	3.5	18

69	Exploring Deep Learning Features for Automatic Classification of Human Emotion Using EEG Rhythms. *IEEE Sensors Journal*, **2021**, 1-1	4	17
68	Towards the classification of heart sounds based on convolutional deep neural network. *Health Information Science and Systems*, **2019**, 7, 16	5.1	16
67	Neural network modeling of SBS modified bitumen produced with different methods. *Fuel*, **2013**, 106, 265-270	7.1	16
66	Deep learning based face liveness detection in videos **2017**,		16
65	KNCM: Kernel Neutrosophic c-Means Clustering. *Applied Soft Computing Journal*, **2017**, 52, 714-724	7.5	16
64	Investigation of complex modulus of base and EVA modified bitumen with Adaptive-Network-Based Fuzzy Inference System. *Expert Systems With Applications*, **2011**, 38, 969-974	7.8	15
63	Performance Comparison of Machine Learning Techniques on Diabetes Disease Detection **2019**,		15
62	Flexible Analytic Wavelet Transform Based Features for Physical Action Identification Using sEMG Signals. *Irbm*, **2020**, 41, 18-22	4.8	15
61	Prediction of intrapartum fetal hypoxia considering feature selection algorithms and machine learning models. *Health Information Science and Systems*, **2019**, 7, 17	5.1	14
60	Attention guided 3D CNN-LSTM model for accurate speech based emotion recognition. *Applied Acoustics*, **2021**, 182, 108260	3.1	13
59	An effective color texture image segmentation algorithm based on hermite transform. *Applied Soft Computing Journal*, **2018**, 67, 494-504	7.5	12
58	Deep Feature Extraction for Face Liveness Detection **2018**,		12
57	A novel 3D skeleton algorithm based on neutrosophic cost function. *Applied Soft Computing Journal* , **2015**, 36, 210-217	7.5	11
56	An optimum feature extraction method for texture classification. *Expert Systems With Applications*, **2009**, 36, 6036-6043	7.8	11
55	Robust Approach Based on Convolutional Neural Networks for Identification of Focal EEG Signals **2019**, 3, 1-4		10
54	A novel demodulation system for base band digital modulation signals based on the deep long short-term memory model. *Applied Acoustics*, **2020**, 166, 107346	3.1	10
53	A survey on neutrosophic medical image segmentation **2019**, 145-165		10
52	Online modulation recognition of analog communication signals using neural network. *Expert Systems With Applications*, **2007**, 33, 206-214	7.8	10

51	COV-ECGNET: COVID-19 detection using ECG trace images with deep convolutional neural network.. *Health Information Science and Systems*, **2022**, 10, 1	5.1	10
50	A Novel Neutrosophic Weighted Extreme Learning Machine for Imbalanced Data Set. *Symmetry*, **2017**, 9, 142	2.7	9
49	Gender recognition from face images with deep learning **2017**,		9
48	OMP-ELM: Orthogonal Matching Pursuit-Based Extreme Learning Machine for Regression. *Journal of Intelligent Systems*, **2015**, 24, 135-143	1.5	9
47	Efficient COVID-19 Segmentation from CT Slices Exploiting Semantic Segmentation with Integrated Attention Mechanism. *Journal of Digital Imaging*, **2021**, 34, 263-272	5.3	9
46	An Efficient Image Segmentation Algorithm Using Neutrosophic Graph Cut. *Symmetry*, **2017**, 9, 185	2.7	8
45	A comparative analysis of common YouTube comment spam filtering techniques **2018**,		7
44	A Simple and Effective Approach for Digitization of the CTG Signals from CTG Traces. *Irbm*, **2019**, 40, 286-296	4.8	7
43	Wavelet domain association rules for efficient texture classification. *Applied Soft Computing Journal* , **2011**, 11, 32-38	7.5	7
42	Local feature descriptors based ECG beat classification. *Health Information Science and Systems*, **2020**, 8, 20	5.1	6
41	A retinal vessel detection approach using convolution neural network **2017**,		6
40	Two-stepped majority voting for efficient EEG-based emotion classification. *Brain Informatics*, **2020**, 7, 9	5.9	6
39	Efficient approach for digitization of the cardiotocography signals. *Physica A: Statistical Mechanics and Its Applications*, **2020**, 537, 122725	3.3	5
38	Deep learning model for estimating the mechanical properties of concrete containing silica fume exposed to high temperatures. *Frontiers of Structural and Civil Engineering*, **2020**, 14, 1316-1330	2.5	5
37	Chronic Tympanic Membrane Diagnosis based on Deep Convolutional Neural Network **2019**,		5
36	Deep rhythm and long short term memory-based drowsiness detection. *Biomedical Signal Processing and Control*, **2021**, 65, 102364	4.9	5
35	Low Level Texture Features for Snore Sound Discrimination. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2018**, 2018, 413-416	0.9	5
34	Attention-based 3D CNN with residual connections for efficient ECG-based COVID-19 detection.. *Computers in Biology and Medicine*, **2022**, 143, 105335	7	5

33	DeepEMGNet: An Application for Efficient Discrimination of ALS and Normal EMG Signals. *Advances in Intelligent Systems and Computing*, **2018**, 619-625	0.4	4
32	Deep convolutional neural networks for airport detection in remote sensing images **2018**,		4
31	Feature Mapping and Deep Long Short Term Memory Network-Based Efficient Approach for Parkinson Disease Diagnosis. *IEEE Access*, **2021**, 1-1	3.5	4
30	Using neutrosophic graph cut segmentation algorithm for qualified rendering image selection in thyroid elastography video. *Health Information Science and Systems*, **2017**, 5, 8	5.1	3
29	White Blood Cell Classification Based on Shape and Deep Features **2019**,		3
28	Food Image Classification with Deep Features **2019**,		3
27	A Novel Edge Detection Algorithm Based on Texture Feature Coding. *Journal of Intelligent Systems*, **2015**, 24, 235-248	1.5	3
26	Textural feature based target detection in through-the-wall radar imagery **2013**,		3
25	Prediction of protein cellular localization sites using a hybrid method based on artificial immune system and fuzzy k-NN algorithm **2009**, 19, 815-826		3
24	Development of New Anpr Dataset for Automatic Number Plate Detection and Recognition in North of Iraq **2019**,		3
23	Bitcoin Price Prediction Using Machine Learning Methods **2019**,		3
22	MHD conjugate natural convection in a porous cavity involving a curved conductive partition and estimations by using Long Short-Term Memory Networks. *Journal of Thermal Analysis and Calorimetry*, **2020**, 140, 1457-1468	4.1	3
21	Deep Learning and Audio Based Emotion Recognition **2019**,		2
20	Classification of mental states from rational dilation wavelet transform and bagged tree classifier using EEG signals **2022**, 217-235		2
19	Neutrosophic similarity score-based entropy measure for focal and nonfocal electroencephalogram signal classification **2019**, 247-268		2
18	Spotting Deepfakes and Face Manipulations by Fusing Features from Multi-Stream CNNs Models. *Symmetry*, **2021**, 13, 1352	2.7	2
17	A New Signal to Image Mapping Procedure and Convolutional Neural Networks for Efficient Schizophrenia Detection in EEG Recordings. *IEEE Sensors Journal*, **2022**, 1-1	4	2
16	Deep Features and Extreme Learning Machines based Apparel Classification **2019**,		1

15	Fall detection with depth-videos **2015**,		1
14	Normal and Acute Tympanic Membrane Diagnosis based on Gray Level Co-Occurrence Matrix and Artificial Neural Networks **2019**,		1
13	Neutrosophic Hough Transform. *Axioms*, **2017**, 6, 35	1.6	1
12	Accurate detection of autism using Douglas-Peucker algorithm, sparse coding based feature mapping and convolutional neural network techniques with EEG signals.. *Computers in Biology and Medicine*, **2022**, 143, 105311	7	1
11	A Simple and Effective Approach Based on a Multi-Level Feature Selection for Automated Parkinson's Disease Detection.. *Journal of Personalized Medicine*, **2022**, 12,	3.6	1
10	Unsupervised Image Segmentation Using Markov Random Fields. *Lecture Notes in Computer Science* , **2006**, 158-167	0.9	1
9	Mechanism of Bitcoin and Investigation of the Studies in the Literature Related to Bitcoin **2019**,		1
8	Classification of Apricot Leaves with Extreme Learning Machines Using Deep Features **2019**,		1
7	An Efficient Model for Automatic Number Plate Detection using HOG Feature from New North Iraq Vehicle Images Dataset **2019**,		1
6	Compact Bilinear Deep Features For Environmental Sound Recognition **2018**,		1
5	Deep End-to-End Representation Learning for Food Type Recognition from Speech **2018**,		1
4	DeepCov19Net: Automated COVID-19 Disease Detection with a Robust and Effective Technique Deep Learning Approach.. *New Generation Computing*, **2022**, 1-23	0.9	0
3	Dental Caries Detection using Score-Based Multi-Input Deep Convolutional Neural Network. *IEEE Access*, **2022**, 1-1	3.5	0
2	Dental Material Detection based on Faster Regional Convolutional Neural Networks and Shape Features. *Neural Processing Letters*,1	2.4	0
1	CLASSIFICATION OF AMYOTROPHIC LATERAL SCLEROSIS AND HEALTHY ELECTROMYOGRAPHY SIGNALS BASED ON TRANSFER LEARNING. *European Journal of Technic*, **2018**, 8, 179-185	0.2	0