Mohamed Ahmed Mohandes

List of Publications by Year
in descending order

87 papers	3,575 citations	257450 24 h-index	214800 47 g-index
90 all docs	90 docs citations	90 times ranked	2846 citing authors

#	Article	IF	Citations
1	A Multitone Model-Based Seismic Data Compression. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1030-1040.	9.3	5
2	Sidelobe Suppression for Likelihood Ratio-Based Seismic Deconvolution. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	6.3	0
3	Likelihood-Ratio-Based Recovery for Seismic Reflectivity Series. IEEE Transactions on Industrial Electronics, 2022, 69, 11622-11632.	7.9	1
4	Kirigami-Enabled Wearable Health and Crowd Monitoring System. Arabian Journal for Science and Engineering, 2022, 47, 3583.	3.0	1
5	Interpolation Problem on Outlier Contaminated Seismogram Using Extreme Learning Machine. Advances in Science, Technology and Innovation, 2022, , 211-213.	0.4	1
6	Seismic Data Compression: A Survey. Advances in Science, Technology and Innovation, 2022, , 253-255.	0.4	1
7	KArSL. ACM Transactions on Asian and Low-Resource Language Information Processing, 2021, 20, 1-19.	2.0	21
8	Wind Speed Predictability Accuracy with Height Using LiDAR Based Measurements and Artificial Neural Networks. Applied Artificial Intelligence, 2021, 35, 605-622.	3.2	12
9	Enhanced Seismic Deconvolution by Side Lobe Suppression. , 2021, , .		0
10	Seismic data modeling and compression using particle swarm optimization. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	3
11	Crowd Anomaly Detection Systems Using RFID and WSN Review. , 2021, , .		3
12	Arabic Sign Language Recognition Using Deep Machine Learning. , 2021, , .		8
13	Predictability of Wind Speed with Heights Using Recurrent Neural Networks. , 2021, , .		1
14	Deep Neural Networks with Extreme Learning Machine for Seismic Data Compression. Arabian Journal for Science and Engineering, 2020, 45, 1367-1377.	3.0	28
15	Feasibility Study of Hybrid Power Systems for Remote Dwellings in Tamil Nadu, India. IEEE Access, 2020, 8, 143881-143890.	4.2	31
16	A Robust Scheme for Sparse Reflectivity Recovering From Uniformly Quantized Seismic Data. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 8665-8673.	6.3	8
17	An Intelligent Arabic Sign Language Recognition System Using a Pair of LMCs With GMM Based Classification. IEEE Sensors Journal, 2019, 19, 8067-8078.	4.7	46
18	Preferenceâ€based smart parking system in a university campus. IET Intelligent Transport Systems, 2019, 13, 417-423.	3.0	15

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19	Seismic data compression using deep neural network predictors. , 2019, , .		6
20	A multi tone modeling for seismic data compression. , 2019, , .		5
21	Classifiers Combination Techniques: A Comprehensive Review. IEEE Access, 2018, 6, 19626-19639.	4.2	93
22	A Distributed Principal Component Analysis Compression for Smart Seismic Acquisition Networks. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 3020-3029.	6.3	26
23	A Bilingual Emotion Recognition System Using Deep Learning Neural Networks. , 2018, , .		3
24	Wind Speed Extrapolation Using Machine Learning Methods and LiDAR Measurements. IEEE Access, 2018, 6, 77634-77642.	4.2	35
25	Seismic-data compression using autoassociative neural network and restricted Boltzmann machine. , 2018, , .		8
26	Seismic-model estimation using particle-swarm optimization. , 2018, , .		6
27	Vertical extrapolation of wind speed using artificial neural network hybrid system. Neural Computing and Applications, 2017, 28, 2351-2361.	5.6	31
28	Class Attendance Management System Using NFC Mobile Devices. Intelligent Automation and Soft Computing, 2017, 23, 251-259.	2.1	16
29	Dual LMCs fusion for recognition of isolated Arabic sign language words. , 2017, , .		6
30	Assessment of transmission substations for AMI upgrade (KSA case study). , 2016, , .		0
31	Disributed principal component analysis for data compression of sequential seismic sensor arrays. , 2016, , .		7
32	An Intelligent System for Vehicle Access Control using RFID and ALPR Technologies. Arabian Journal for Science and Engineering, 2016, 41, 3521-3530.	1.1	7
33	Arabie sign language recognition using the Microsoft Kinect. , 2016, , .		14
34	Convertible wind energy based on predicted wind speed at hub-height. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 140-148.	2.3	8
35	Prototype Arabic Sign language recognition using multi-sensor data fusion of two leap motion controllers. , 2015, , .		21
36	An information based framework for performance evaluation of image enhancement methods. , 2015, , .		5

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37	Mobile Technology for Socio-Religious Events: A Case Study of NFC Technology. IEEE Technology and Society Magazine, 2015, 34, 73-79.	0.8	17
38	Arabic sign language recognition using the leap motion controller. , 2014, , .		103
39	A survey of image-based Arabic sign language recognition. , 2014, , .		20
40	Image-Based and Sensor-Based Approaches to Arabic Sign Language Recognition. IEEE Transactions on Human-Machine Systems, 2014, 44, 551-557.	3.5	91
41	Short term wind speed estimation in Saudi Arabia. Journal of Wind Engineering and Industrial Aerodynamics, 2014, 128, 37-53.	3.9	25
42	Pilgrim Tracking and Identification Using Wireless Sensor Networks and GPS in a Mobile Phone. Arabian Journal for Science and Engineering, 2013, 38, 2135-2141.	1.1	8
43	Recognition of Two-Handed Arabic Signs Using the CyberGlove. Arabian Journal for Science and Engineering, 2013, 38, 669-677.	1.1	36
44	Arabic sign language recognition by decisions fusion using Dempster-Shafer theory of evidence. , 2013, , .		17
45	Estimation of sunshine duration in Saudi Arabia. Journal of Renewable and Sustainable Energy, 2013, 5, 033128.	2.0	12
46	A multi-classifier image based vacant parking detection system. , 2013, , .		23
47	Splitting Global Solar Radiation into Diffuse and Direct Normal Fractions Using Artificial Neural Networks. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2012, 34, 1326-1336.	2.3	22
48	A hybrid RFID-LPR system for vehicle access control during Pilgrimage season in Saudi Arabia. , 2012, , .		6
49	Modeling global solar radiation using Particle Swarm Optimization (PSO). Solar Energy, 2012, 86, 3137-3145.	6.1	130
50	Wireless Sensor Networks for Pilgrims Tracking. IEEE Embedded Systems Letters, 2012, 4, 106-109.	1.9	23
51	Spatial estimation of wind speed. International Journal of Energy Research, 2012, 36, 545-552.	4.5	18
52	A signer-independent Arabic Sign Language recognition system using face detection, geometric features, and a Hidden Markov Model. Computers and Electrical Engineering, 2012, 38, 422-433.	4.8	39
53	Pilgrims Tracking Using Wireless Sensor Network. , 2011, , .		21
54	Pilgrim tracking and identification using the mobile phone. , 2011, , .		24

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55	Artificial neural network analysis of liquid desiccant dehumidification system. Energy, 2011, 36, 1180-1186.	8.8	56
56	Estimation of wind speed profile using adaptive neuro-fuzzy inference system (ANFIS). Applied Energy, 2011, 88, 4024-4032.	10.1	180
57	A Case Study of an RFID-based System for Pilgrims Identification and Tracking. , 2010, , .		15
58	A smart card management and application system. , 2010, , .		4
59	Estimation of Diffuse Fraction of Global Solar Radiation Using Artificial Neural Networks. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2009, 31, 974-984.	2.3	34
60	Predictions of vapor pressures of aqueous desiccants for cooling applications by using artificial neural networks. Applied Thermal Engineering, 2008, 28, 126-135.	6.0	34
61	Artificial neural network estimation of global solar radiation using air temperature and relative humidity. Energy Policy, 2008, 36, 571-576.	8.8	278
62	An RFID-based pilgrim identification system (a pilot study). , 2008, , .		16
63	Arabic Sign Language Recognition an Image-Based Approach. , 2007, , .		31
64	Support vector machines for wind speed prediction. Renewable Energy, 2004, 29, 939-947.	8.9	687
65	Wind power cost assessment at twenty locations in the kingdom of Saudi Arabia. Renewable Energy, 2003, 28, 573-583.	8.9	130
66	Support vector machines for short-term electrical load forecasting. International Journal of Energy Research, 2002, 26, 335-345.	4.5	138
67	Diagnosing failed distribution transformers using neural networks. IEEE Transactions on Power Delivery, 2001, 16, 631-636.	4.3	16
68	Use of radial basis functions for estimating monthly mean daily solar radiation. Solar Energy, 2000, 68, 161-168.	6.1	164
69	Substructural neural network controller. Computers and Structures, 2000, 78, 575-581.	4.4	10
70	Radial basis function networks for contingency analysis of bulk power systems. IEEE Transactions on Power Systems, 1999, 14, 772-778.	6.5	54
71	Artificial neural network for piezoelectric control systems. , 1999, , .		0
72	Artificial neural networks for optimal control of serial flexible structures. , 1999, , .		0

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73	A neural networks approach for wind speed prediction. Renewable Energy, 1998, 13, 345-354.	8.9	233
74	Estimation of global solar radiation using artificial neural networks. Renewable Energy, 1998, 14, 179-184.	8.9	310
75	Multiple over-the-horizon radar track association. Optical Engineering, 1997, 36, 716.	1.0	3
76	Projection-based methods for stepsize adaptation and their application to the training of feedforward artificial neural networks. , 1994, , .		0
77	Two adaptive stepsize rules for gradient descent and their application to the training of feedforward artificial neural networks. , 1994, , .		5
78	Hierarchical clustering for OTHR track fusion. , 0, , .		0
79	A neural network approach towards multiradar track fusion. , 0, , .		0
80	Modelling OTHR tracks for association and fusion. , 0, , .		2
81	Contingency analysis of bulk power system using neural networks. , 0, , .		5
82	ATM QoS prediction using neural-networks. , 0, , .		0
83	Smart card for smart campus: KFUPM case study. , 0, , .		12
84	GSM-based wireless home appliances monitoring & control system. , 0, , .		13
85	Automation of the arabic sign language recognition. , 0, , .		11
86	Image based arabic sign language recognition. , 0, , .		14
87	Online Development of Digital Logic Design Course. , 0, , .		1