Ali Farzamnia

List of Publications by Year
in descending order

85 papers	659 citations	840776 11 h-index	752698 20 g-index
87 all docs	87 docs citations	87 times ranked	430 citing authors

#	Article	IF	Citations
1	Investigation on Methods of Reducing High Peak-to-Average Power Ratio in MIMO-OFDM. Lecture Notes in Electrical Engineering, 2022, , 783-803.	0.4	0
2	Performance Analysis of OFDM Channel Estimation Under IQ Imbalance. Lecture Notes in Electrical Engineering, 2022, , 805-822.	0.4	0
3	Optimal Allocation of Soft Open Point Devices in Renewable Energy Integrated Distribution Systems. IEEE Access, 2022, 10, 9309-9320.	4.2	7
4	Power and Current Limiting Strategy Based on Droop Controller With Floating Characteristic for Grid-Connected Distributed Generations. IEEE Access, 2022, 10, 13966-13973.	4.2	3
5	Developing a Deep Neural Network for Driver Fatigue Detection Using EEG Signals Based on Compressed Sensing. Sustainability, 2022, 14, 2941.	3.2	23
6	A Two-Stage Learning Convolutional Neural Network for Sleep Stage Classification Using a Filterbank and Single Feature. IEEE Access, 2022, 10, 60597-60609.	4.2	4
7	Automatic Detection of Driver Fatigue Based on EEG Signals Using a Developed Deep Neural Network. Electronics (Switzerland), 2022, 11, 2169.	3.1	23
8	Medical Image Enhancement and Deblurring. Lecture Notes in Electrical Engineering, 2021, , 543-554.	0.4	3
9	Numerical synthesis of coplanar waveguides. Microwave and Optical Technology Letters, 2021, 63, 1177-1179.	1.4	0
10	Speed Classification of Upper Limb Movements Through EEG Signal for BCI Application. IEEE Access, 2021, 9, 114564-114573.	4.2	4
11	Leader-following consensus of nonlinear multi-agent systems based on position and velocity estimations. , 2021, , .		4
12	Offline Neural Network Based-Fault Tolerant Control for Vertical Tail Damaged Aircraft. , 2021, , .		0
13	Correlation-based common spatial pattern (CCSP): A novel extension of CSP for classification of motor imagery signal. PLoS ONE, 2021, 16, e0248511.	2.5	13
14	Developing an efficient deep neural network for automatic detection of COVID-19 using chest X-ray images. AEJ - Alexandria Engineering Journal, 2021, 60, 2885-2903.	6.4	56
15	An Automatic Driver Assistant Based on Intention Detecting Using EEG Signal. Lecture Notes in Electrical Engineering, 2021, , 617-627.	0.4	3
16	Using Convolution Neural Networks Pattern for Classification of Motor Imagery in BCI System. Lecture Notes in Electrical Engineering, 2021, , 683-692.	0.4	2
17	A New Approach in Energy Consumption Based on Genetic Algorithm and Fuzzy Logic for WSN. Lecture Notes in Electrical Engineering, 2021, , 1007-1019.	0.4	2
18	Coordinate-Descent Adaptation over Hamiltonian Multi-Agent Networks. Sensors, 2021, 21, 7732.	3.8	0

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19	Bit Error Rate Comparison for Radio Frequency Interconnection Based on BPSK, PAM and QAM Modulation. , 2021, , .		0
20	Deep Learning Feature Extraction for COVID19 Detection Algorithm using Computerized Tomography Scan. , 2021, , .		8
21	Large-Consumer Energy Procurement Optimization Using a Hybrid IGDT-Stochastic Approach. , 2021, , .		0
22	Automatic Identification of Epileptic Seizures From EEG Signals Using Sparse Representation-Based Classification. IEEE Access, 2020, 8, 138834-138845.	4.2	16
23	Recognizing Emotions Evoked by Music Using CNN-LSTM Networks on EEG Signals. IEEE Access, 2020, 8, 139332-139345.	4.2	68
24	Transfer Learning Convolutional Neural Network for Sleep Stage Classification Using Two-Stage Data Fusion Framework. IEEE Access, 2020, 8, 180618-180632.	4.2	26
25	Bone Age Estimation by Deep Learning in X-Ray Medical Images. , 2020, , .		1
26	A Non-cooperative Uplink Power Control for CDMA Wireless Communication System. Wireless Personal Communications, 2020, 114, 1249-1265.	2.7	1
27	Removing mixture of Gaussian and Impulse noise of images using sparse coding. , 2020, , .		3
28	Two-Stage Robust-Stochastic Electricity Market Clearing Considering Mobile Energy Storage in Rail Transportation. IEEE Access, 2020, 8, 121780-121794.	4.2	33
29	Network coding schemes with efficient LDPC coded MIMOâ€"NOMA in twoâ€way relay networks. IET Communications, 2020, 14, 337-348.	2.2	6
30	Networkâ€coded MIMOâ€NOMA systems with FEC codes in twoâ€way relay networks. International Journal of Communication Systems, 2020, 33, e4419.	2.5	1
31	Investigation of error performance in OFDM with network coding techniques in multiple relay networks. Journal of Electrical Engineering, 2020, 71, 185-194.	0.7	2
32	A robust framework epileptic seizures classification based on lightweight structure deep convolutional neural network and wavelet decomposition. , 2020, , .		1
33	Sleep arousal events detection using PNN-GBMO classifier based on EEG and ECG signals: A hybrid-learning model. , 2020, , .		0
34	Identification of Epilepsy utilizing Hilbert Transform and SVM based Classifier. , 2020, , .		1
35	Online Dictionary Learning for Sparse Representation-Based Classification of Motor Imagery EEG. , 2019, , .		5
36	Transfer Learning based Motor Imagery Classification using Convolutional Neural Networks. , 2019, , .		19

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37	Correlation-Based Regularized Common Spatial Patterns for Classification of Motor Imagery EEG Signals. , 2019, , .		2
38	Deep convolutional neural network for classification of sleep stages from single-channel EEG signals. Journal of Neuroscience Methods, 2019, 324, 108312.	2.5	93
39	Network Coded MIMO Cooperative Communications for the Emergency Area. Wireless Personal Communications, 2019, 109, 1001-1019.	2.7	0
40	Efficient Cellular Network with Network Coding in Disaster Area. Wireless Personal Communications, 2019, 106, 701-718.	2.7	1
41	Data-driven MIMO discrete-time predictive model-free adaptive integral terminal sliding mode controller design for robotic manipulators driven by pneumatic artificial muscles. , 2019, , .		4
42	A Compact Multi-band mm-Wave Franklin Array With Frequency Scanning Capability. , 2019, , .		1
43	A Novel Method for Detecting Breast Cancer Location Based on Growing GA-FCM Approach. , 2019, , .		0
44	A Novel Steganography Algorithm using Edge Detection and MPC Algorithm. , 2019, , .		1
45	Detection and Counting of Lipid Droplets in Adipocyte Differentiation of Bone Marrow-Derived Mesenchymal Stem Cells Using a Tiny Convolutional Network and Image Processing. , 2019, , .		0
46	Data-driven observer-based model-free adaptive discrete-time terminal sliding mode control of rigid robot manipulators. , 2019, , .		10
47	Breast Tumor Segmentation Using K-Means Clustering and Cuckoo Search Optimization. , 2019, , .		12
48	PET Image Super Resolution using Convolutional Neural Networks. , 2019, , .		3
49	Investigation of error performance in network coded MIMO-VBLAST wireless communication systems. Journal of Electrical Engineering, 2019, 70, 273-284.	0.7	2
50	Wild Goats Optimization Approach for Capacitor Placement Problem. International Journal of Integrated Engineering, 2019, 11, .	0.4	0
51	Hyperspectral Image Classification With Online Structured Dictionary Learning. , 2019, , .		2
52	Comparison of Bit Error Rate Performance for CDMA Systems in Different Fading and AWGN Channels. , 2018, , .		2
53	Network Coding Schemes with MIMO-NOMA for Two-Way Relay Networks. , 2018, , .		6
54	Sleep Stage Classification Using Dempster-Shafer Theory for Classifier Fusion. , 2018, , .		4

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55	Sleep Stage Scoring of Single-Channel EEG Signal based on RUSBoost Classifier. , 2018, , .		7
56	BER Comparison of OFDM with M-QAM Modulation Scheme of AWGN and Rayleigh Fading Channels. , 2018, , .		19
57	Analysis of MIMO System through Zero Forcing and Minimum Mean Square Error Detection Scheme. , 2018, , .		5
58	BER Analysis for OFDM Systems with Various Modulation Techniques in Rayleigh Fading Channel. , 2018, , .		3
59	The Non-linearity Effect of High Power Amplitude on OFDM Signal and Solution to Solve by Using PAPR Reduction. , 2018, , .		1
60	Cooperative Network Coding for International Mobile Telecommunications. , 2018, , .		0
61	An Optimized Controller for Region of Attraction Enlargment of Underactuated Systems Using Impulse Manifold Method. , 2018, , .		0
62	Investigation on PAPR Reduction in OFDM System. , 2018, , .		0
63	Multimode resonator microstrip bandpass filters. , 2017, , .		0
64	Investigation on channel capacity enhancement for MIMO-OFDM in fading channels using hybrid water filling and nash algorithm. , 2017, , .		7
65	Protection of sensitive loads from voltages fluctuations in Iraqi grids by DVR. , 2017, , .		8
66	Improvement for power quality by using dynamic voltage restorer in electrical distribution networks. , 2017, , .		8
67	Reduce power losses and improve voltage level by using distributed generation in radial distributed grid. , 2017, , .		8
68	Preliminary study of Kirlian image in digital electrophotonic imaging and its applications. , 2017, , .		3
69	Channel estimation for sparse channel OFDM systems using least square and minimum mean square error techniques. , 2017, , .		12
70	Investigation on decoding failure probability in erasure network coded channels. , 2017, , .		1
71	Economic dispatch optimization for thermal power plants in Iraq. , 2017, , .		7
72	Studies on Corrosion Inhibitor Activity of Azoles for Copper. Advanced Science Letters, 2017, 23, 11293-11297.	0.2	5

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73	A Single-Phase Multilevel Inverter for Stand-Alone Hybrid PV/Battery Residential Application. Advanced Science Letters, 2017, 23, 11604-11608.	0.2	1
74	Efficient In-Band Spectrum Sensing Using Swarm Intelligence for Cognitive Radio Network. Canadian Journal of Electrical and Computer Engineering, 2015, 38, 106-115.	2.0	25
75	Recovering single lost description using DCT-MDC based on Network coding. , 2015, , .		0
76	Integrated waveguide slot antenna and cavity filter using hollow SIW in LTCC technology. , 2015, , .		3
77	Compressed Wavelet Packet-Based Spectrum Sensing With Adaptive Thresholding for Cognitive Radio. Canadian Journal of Electrical and Computer Engineering, 2015, 38, 31-36.	2.0	13
78	Wavelet Packet-Based Transceiver for Cognitive UWBÃ‰metteur-rÃ©cepteurÃ base de paquet d'ondelette pour les applications cognitives UWB. Canadian Journal of Electrical and Computer Engineering, 2014, 37, 59-64.	2.0	3
79	Multi-criteria load balancing decision algorithm for LTE network. , 2014, , .		2
80	Interference aware channel assignment (IACA) for cognitive wireless mesh networks. , 2013, , .		10
81	Error concealment using joint multiple description Lloyd-max quantization and network coding. , 2013, , .		1
82	Multicasting Multiple Description Coding Using p-Cycle Network Coding. KSII Transactions on Internet and Information Systems, 2013, 7, 3118-3134.	0.3	10
83	Investigation of Error Concealment Using Different Transform Codings and Multiple Description Codings. Journal of Electrical Engineering, 2012, 63, 171-179.	0.7	1
84	Error concealment using multiple description coding and Lloyd-max quantization. , 2011, , .		3
85	Digital image edge detection using an ant colony optimization based on genetic algorithm. , 2010, , .		10