O Farooq

List of Publications by Year
in descending order

125 papers	1,419 citations	430442 18 h-index	476904 29 g-index
127 all docs	127 docs citations	127 times ranked	1137 citing authors

#	Article	IF	Citations
1	Deep Learning based Lightweight Model for Seizure Detection using Spectrogram Images. , 2022, , .		0
2	Interpretation of EEG Signals During Wrist Movement Using Multi-resolution Wavelet Features for BCI Application. Studies in Big Data, 2021, , 179-191.	0.8	1
3	EEG-Based Exoskeleton for Rehabilitation Therapy. Design Science and Innovation, 2021, , 645-653.	0.1	2
4	Design and fabrication of active noise control system for a grass cutter. Noise and Vibration Worldwide, 2021, 52, 86-92.	0.4	0
5	A Preliminary Study on ReliefF based Feature Ranking for Classification of Myoelectric Signals. , 2021, , .		3
6	EMG based classification for pick and place task. Biomedical Physics and Engineering Express, 2021, 7, 035021.	0.6	3
7	Pattern recognition of EMG signals for low level grip force classification. Biomedical Physics and Engineering Express, 2021, 7, 065012.	0.6	11
8	Application of Wavelet Denoising for Phasic Classification in Pick and Place Task. Lecture Notes in Mechanical Engineering, 2021, , 609-615.	0.3	0
9	A hybrid Local Binary Pattern and wavelets based approach for EEG classification for diagnosing epilepsy. Expert Systems With Applications, 2020, 140, 112895.	4.4	51
10	Selection of Features and Classifiers for EMG-EEG-Based Upper Limb Assistive Devices—A Review. IEEE Reviews in Biomedical Engineering, 2020, 13, 248-260.	13.1	38
11	Automatic Detection of Sleep Spindles Using Time Domain Features. Lecture Notes in Networks and Systems, 2020, , 545-554.	0.5	0
12	Automatic Detection of Sleep Apnea Using Sub-Band Features from EEG Signals. , 2020, , .		3
13	Estimation of Mixing Coefficients using the Joint Probability Distribution of Mixed Signals. IETE Journal of Research, 2019, , 1-15.	1.8	1
14	Spread Embedding Technique in LSB Image Steganography based on Chaos Theory. , 2019, , .		1
15	Patient-Specific Epileptic Seizure Prediction in Long-Term Scalp EEG Signal Using Multivariate Statistical Process Control. Irbm, 2019, 40, 320-331.	3.7	25
16	A Neural Network Classification of sEMG Signals for Estimation of Force While Gripping. Lecture Notes in Mechanical Engineering, 2019, , 585-593.	0.3	1
17	Patient Specific Seizure Onset-Offset Latency Detection using Long- term EEG Signals. , 2019, , .		3
18	EMD Based Detection of Auditory Evoked Potential P300. , 2019, , .		1

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19	Detection of Seizure Event and Its Onset/Offset Using Orthonormal Triadic Wavelet Based Features. Irbm, 2019, 40, 103-112.	3.7	46
20	EMD Analysis of EEG Signals for Seizure Detection. Lecture Notes in Electrical Engineering, 2019, , 189-196.	0.3	5
21	Continuous Hindi Speech Recognition Using Kaldi ASR Based on Deep Neural Network. Advances in Intelligent Systems and Computing, 2019, , 303-311.	0.5	8
22	Automatic Seizure Detection Based on Morphological Features Using One-Dimensional Local Binary Pattern on Long-Term EEG. Clinical EEG and Neuroscience, 2018, 49, 351-362.	0.9	67
23	Detection of Event Related Potential for a Cognitive Task. , 2018, , .		0
24	Feature extraction using Pythagorean means for classification of epileptic EEG signals. International Journal of Biomedical Engineering and Technology, 2018, 28, 243.	0.2	2
25	Block Energy Based Visual Features Using Histogram Of Oriented Gradient For Bimodal Hindi Speech Recognition. Procedia Computer Science, 2018, 132, 1385-1393.	1.2	1
26	Improvement in monaural speech separation using sparse non-negative tucker decomposition. International Journal of Speech Technology, 2018, 21, 837-849.	1.4	0
27	Classification of Seizure Through SVM Based Classifier. , 2018, , .		2
28	Mel scaled M-band wavelet filter bank for speech recognition. International Journal of Speech Technology, 2018, 21, 797-807.	1.4	4
29	Role of 1.5 mm microplates in treatment of symphyseal fracture of mandible: A stress analysis based comparative study. Journal of Oral Biology and Craniofacial Research, 2017, 7, 119-122.	0.8	8
30	Frequency Selection Based Separation of Speech Signals with Reduced Computational Time Using Sparse NMF. Archives of Acoustics, 2017, 42, 287-295.	0.9	9
31	SNMF based speech denoising with wavelet decomposed signal selection. , 2017, , .		2
32	sEMG signal enhancement using cubical denoising for wrist movement classification. , 2017, , .		3
33	Continuous hindi speech recognition model based on Kaldi ASR toolkit. , 2017, , .		21
34	Detecting P300 potential for speller BCI. , 2017, , .		2
35	Variable sparsity regularization factor based SNMF for monaural speech separation. , 2017, , .		2
36	A simplified method for classification of epileptic EEG signals. International Journal of Biomedical Engineering and Technology, 2017, 25, 60.	0.2	6

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37	Seizure detection in neonatal EEG signals using EMD based features. , 2017, , .		0
38	ASR for mixed speech using SNMF based separation algorithm. , 2017, , .		0
39	Bispectral analysis of EEG during non-convulsive seizures. , 2017, , .		1
40	Speaker adaptive model for Hindi speech using Kaldi speech recognition toolkit. , 2017, , .		2
41	Wavelet packet-based classification of brain states during English and mother tongue script writing. International Journal of Biomedical Engineering and Technology, 2016, 22, 325.	0.2	4
42	EEG Analysis of Imagined Speech. International Journal of Rough Sets and Data Analysis, 2016, 3, 32-44.	1.0	3
43	Performance of shariah-compliant firms and non-shariah-compliant firms in the MENA region. Journal of Islamic Accounting and Business Research, 2016, 7, 268-281.	1.1	26
44	Implementation of Hardware Efficient Chaotic Generators for Signal Security in Portable Systems. , 2016, , .		1
45	Vowel classification using wavelet decomposition during speech imagery. , 2016, , .		15
46	Fatigue detection and estimation using auto-regression analysis in EEG. , 2016, , .		7
47	Epileptic seizure detection using heart rate variability. , 2016, , .		8
48	Automatic detection of non-convulsive seizures: A reduced complexity approach. Journal of King Saud University - Computer and Information Sciences, 2016, 28, 407-415.	2.7	3
49	Seizure Onset Detection by Analyzing Long-Duration EEG Signals. Advances in Intelligent Systems and Computing, 2016, , 215-224.	0.5	2
50	A comparative study on evaluation of role of 1.5 mm microplates and 2.0 mm standard miniplates in management of mandibular fractures using bite force as indicator of recommendation. National Journal of Maxillofacial Surgery, 2016, 7, 39.	0.1	4
51	Nonlinear analysis of EEG for seizure prediction. , 2015, , .		7
52	Wavelet-based multi-class discrimination of EEG for seizure detection. International Journal of Biomedical Engineering and Technology, 2015, 19, 266.	0.2	15
53	A Multi-Level Robust and Perceptually Transparent Blind Audio Watermarking Scheme Using Wavelets. Archives of Acoustics, 2015, 39, 529-539.	0.9	1
54	Comparative Study of Visual Feature for Bimodal Hindi Speech Recognition. Archives of Acoustics, 2015, 40, 609-619.	0.9	15

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55	Sweet and sour taste classification using EEG based brain computer interface. , 2015, , .		4
56	Performance Evaluation of Bimodal Hindi Speech Recognition under Adverse Environment. Advances in Intelligent Systems and Computing, 2015, , 347-355.	0.5	1
57	Partial encryption of ECG with reduced complexity and its FPGA implementation. International Journal of Biomedical Engineering and Technology, 2015, 17, 398.	0.2	1
58	Estimation of muscle fatigue using wavelet decomposition. , 2015, , .		1
59	Earnings management behaviour of Shariah-compliant firms and non-Shariah-compliant firms. Journal of Islamic Accounting and Business Research, 2015, 6, 173-188.	1.1	30
60	A Wavelet-Statistical Features Approach for Nonconvulsive Seizure Detection. Clinical EEG and Neuroscience, 2014, 45, 274-284.	0.9	79
61	The Potential of Machine-to-Machine Communications for Developing the Next Generation of Mobile Device Monitoring Systems. IFMBE Proceedings, 2014, , 1903-1906.	0.2	1
62	Phoneme confusability reduction by using visual information in noisy environment. , 2014, , .		0
63	Brain Machine Interface for wrist movement using Robotic Arm. , 2014, , .		3
64	Seizure prediction using statistical dispersion measures of intracranial EEG. Biomedical Signal Processing and Control, 2014, 10, 338-341.	3.5	34
65	Improving the information environment for analysts. Journal of Intellectual Capital, 2014, 15, 142-156.	3.1	36
66	Hindi viseme recognition using subspace DCT features. International Journal of Applied Pattern Recognition, 2014, 1, 257.	0.3	5
67	Wavelet based sub-band parameters for classification of unaspirated Hindi stop consonants in initial position of CV syllables. International Journal of Speech Technology, 2013, 16, 323-332.	1.4	10
68	Performance evaluation of task assignment algorithms in cube-based multiprocessor systems. , 2013, , .		0
69	Detection of wrist movement using EEG signal for brain machine interface. , 2013, , .		4
70	Latency study of non-convulsive seizures. , 2013, , .		4
71	Enhancement of VSR using low dimension visual feature. , 2013, , .		5
72	Enhancing classification accuracy of wrist movement by denoising sEMG signals. , 2013, 2013, 5762-4.		5

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73	Development of m-health monitoring systems in India and Iraq. , 2012, 2012, 288-91.		8
74	Multi-stage scheduling scheme for massively parallel systems. , 2012, , .		1
75	Monitoring Heart Disease and Diabetes with Mobile Internet Communications. International Journal of Telemedicine and Applications, 2012, 2012, 1-12.	1.1	10
76	Mean Absolute Deviation and Wavelet Entropy for Seizure Prediction. Journal of Medical Imaging and Health Informatics, 2012, 2, 238-243.	0.2	4
77	FPGA implementation of chaotic state sequence generator for secure communication. , 2012, , .		2
78	Automated seizure detection in scalp EEG using multiple wavelet scales. , 2012, , .		74
79	Automatic detection of non-convulsive seizures using AR modeling. , 2012, , .		7
80	Latency Study of Seizure Detection. Advances in Intelligent and Soft Computing, 2012, , 129-136.	0.2	3
81	Automatic Seizure Detection using Inter Quartile Range. International Journal of Computer Applications, 2012, 44, 1-5.	0.2	6
82	Chaotic Encryption of Physiological Signals Using Multi-Level Non-Uniform Quantizer. , 2012, , 265-272.		1
83	Enhancing Robustness in Speech Recognition using Visual Information. , 2012, , 149-171.		0
84	Two Round Scheduling (TRS) Scheme for Linearly Extensible Multiprocessor Systems. International Journal of Computer Applications, 2012, 38, 34-40.	0.2	9
85	Chaotic Masking of Voice Bitstream Using Mixed Sequences for Authorized Listening. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 604-611.	0.2	2
86	Perceptual evaluation of audio quality over frequency selective fading channel. , 2011, , .		0
87	Chaos based PN sequence generator for cryptographic applications. , 2011, , .		17
88	Imprinted Braille-character pattern recognition using image processing techniques. , 2011, , .		15
89	Wrist pulse signal classification for health diagnosis. , 2011, , .		15
90	Design of Wavelet Based Features for recognition of hindi digits. , 2011, , .		1

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91	Discriminant Analysis for Epileptic Seizure Detection. , 2011, , .		15
92	Efficient web crawling with proposed URL ordering. , 2011, , .		1
93	Feature extraction and classification of EEG for automatic seizure detection. , 2011, , .		56
94	Secure Satellite Images Transmission Scheme Based on Chaos and Discrete Wavelet Transform. Communications in Computer and Information Science, 2011, , 257-264.	0.4	15
95	Chaos-based encryption of biomedical EEG signals using random quantization technique. , 2011, , .		9
96	A DCT based approach to epileptic seizure detection. , 2011, , .		1
97	Static and dynamic response of cost effective unreinforced brick masonry buildings. Archives of Civil and Mechanical Engineering, 2011, 11, 921-941.	1.9	3
98	Watermarking biomedical signal for authentication using integer wavelet transform. , 2011, , .		3
99	A noise resilient scrambling scheme for noisy transmission channel. , 2011, , .		2
100	Dispersion measures and entropy for seizure detection. , 2011, , .		8
101	Robustness evaluation of wavelet based features for continuous speech recognition. International Journal of Intelligent Systems Technologies and Applications, 2010, 9, 1.	0.2	3
102	WAVELET SUB-BAND BASED TEMPORAL FEATURES FOR ROBUST HINDI PHONEME RECOGNITION. International Journal of Wavelets, Multiresolution and Information Processing, 2010, 08, 847-859.	0.9	29
103	Automatic Seizure Detection Using Higher Order Moments. , 2010, , .		8
104	Mobile communications for monitoring heart disease and diabetes. , 2010, 2010, 2208-10.		9
105	Digital Watermarking of ECG Data for Secure Wireless Commuication. , 2010, , .		39
106	A Multi-Level Blocks Scrambling Based Chaotic Image Cipher. Communications in Computer and Information Science, 2010, , 171-182.	0.4	7
107	Blind self-authentication of images for robust watermarking using integer wavelet transform. AEU - International Journal of Electronics and Communications, 2009, 63, 703-707.	1.7	28
108	Embedding and non-blind extraction of watermark data in images in FRFT domain. , 2009, , .		4

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109	LFSR and PLA based complex code generator for stream cipher. , 2009, , .		6
110	Autoregressive features based classification for seizure detection using neural network in scalp Electroencephalogram. International Journal of Biomedical Engineering and Technology, 2009, 2, 370.	0.2	22
111	Wavelet Based Sub-space Features for Face Recognition. , 2008, , .		4
112	Hybrid wavelet based LPC features for Hindi speech recognition. International Journal of Information and Communication Technology, 2008, 1, 373.	0.1	28
113	Wavelet-based, speaker-independent isolated Hindi digit recognition. International Journal of Information and Communication Technology, 2008, 1, 185.	0.1	2
114	EVALUATION OF A WAVELET BASED ASR FRONT-END. International Journal of Wavelets, Multiresolution and Information Processing, 2007, 05, 641-654.	0.9	5
115	Artificial Neural Network Based Modeling of GaAs HBT and Power Amplifier Design for Wireless Communication System. , 2006, , .		5
116	Signal-Dependent Chaotic-State-Modulated Digital Secure Communication. ETRI Journal, 2006, 28, 250-252.	1.2	6
117	Design of Active Noise Control System Using Phase Shift Network for a Hydraulic Surface Grinder. Journal of Low Frequency Noise Vibration and Active Control, 2006, 25, 55-61.	1.3	0
118	Wavelet based Tamper-Proofing of Digital Images. IETE Technical Review (Institution of Electronics and) Tj ETQq0 0 0 rgBT /Overlock 10	2.1	1
119	Wavelet based robust sub-band features for phoneme recognition. IET Computer Vision, 2004, 151, 187.	1.3	31
120	Phoneme recognition using wavelet based features. Information Sciences, 2003, 150, 5-15.	4.0	35
121	Wavelet-based denoising for robust feature extraction for speech recognition. Electronics Letters, 2003, 39, 163.	0.5	23
122	Speech Recognition with Emphasis on Wavelet based Feature Extraction. IETE Journal of Research, 2002, 48, 3-13.	1.8	2
123	Mel filter-like admissible wavelet packet structure for speech recognition. IEEE Signal Processing Letters, 2001, 8, 196-198.	2.1	145
124	Robust features for speech recognition based on admissible wavelet packets. Electronics Letters, 2001, 37, 1554.	0.5	11
125	A Neural Network Phoneme Classification Based on Wavelet Features. , 2001, , 73-78.		0