

Aydin Akan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1866119/publications.pdf>

Version: 2024-02-01

254
papers

2,022
citations

361413

20
h-index

414414

32
g-index

255
all docs

255
docs citations

255
times ranked

1755
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Emotion recognition from EEG signals by using multivariate empirical mode decomposition. Pattern Analysis and Applications, 2018, 21, 81-89. | 4.6 | 178 |
| 2 | Detrended fluctuation thresholding for empirical mode decomposition based denoising. , 2014, 32, 48-56. | | 86 |
| 3 | Emotion recognition based on timeâ€“frequency distribution of EEG signals using multivariate synchrosqueezing transform. , 2018, 81, 106-115. | | 70 |
| 4 | Breast Cancer Detection with Reduced Feature Set. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-11. | 1.3 | 63 |
| 5 | Multi-window Gabor expansion for evolutionary spectral analysis. Signal Processing, 1997, 63, 249-262. | 3.7 | 55 |
| 6 | Cardiac Arrhythmia Detection from 2D ECG Images by Using Deep Learning Technique. , 2019, , . | | 55 |
| 7 | Epileptic EEG Classification by Using Time-Frequency Images for Deep Learning. International Journal of Neural Systems, 2021, 31, 2150026. | 5.2 | 52 |
| 8 | Evaluation of bagging ensemble method with time-domain feature extraction for diagnosing of arrhythmia beats. Neural Computing and Applications, 2014, 24, 317-326. | 5.6 | 51 |
| 9 | Synchrosqueezing transform based feature extraction from EEG signals for emotional state prediction. Biomedical Signal Processing and Control, 2019, 52, 152-161. | 5.7 | 50 |
| 10 | Real Time Emotion Recognition from Facial Expressions Using CNN Architecture. , 2019, , . | | 47 |
| 11 | EEG-based emotion recognition with deep convolutional neural networks. Biomedizinische Technik, 2021, 66, 43-57. | 0.8 | 47 |
| 12 | Epileptic seizure classifications using empirical mode decomposition and its derivative. BioMedical Engineering OnLine, 2020, 19, 10. | 2.7 | 42 |
| 13 | Discrete evolutionary transform for timeâ€“frequency signal analysis. Journal of the Franklin Institute, 2000, 337, 347-364. | 3.4 | 41 |
| 14 | Digital breast tomosynthesis image reconstruction using 2D and 3D total variation minimization. BioMedical Engineering OnLine, 2013, 12, 112. | 2.7 | 40 |
| 15 | A smart wearable system for short-term cardiovascular risk assessment with emotional dynamics. Measurement: Journal of the International Measurement Confederation, 2018, 128, 237-246. | 5.0 | 36 |
| 16 | Prediction of externally applied forces to human hands using frequency content of surface EMG signals. Computer Methods and Programs in Biomedicine, 2010, 98, 36-44. | 4.7 | 35 |
| 17 | Wearable sensor-based evaluation of psychosocial stress in patients with metabolic syndrome. Artificial Intelligence in Medicine, 2020, 104, 101824. | 6.5 | 35 |
| 18 | Hand gesture classification using timeâ€“frequency images and transfer learning based on CNN. Biomedical Signal Processing and Control, 2022, 77, 103787. | 5.7 | 30 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Classification of Pulmonary Nodules by Using Hybrid Features. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-11. | 1.3 | 29 |
| 20 | Emotional state detection based on common spatial patterns of EEG. Signal, Image and Video Processing, 2020, 14, 473-481. | 2.7 | 29 |
| 21 | Arrhythmic Heartbeat Classification Using 2D Convolutional Neural Networks. Irbm, 2022, 43, 422-433. | 5.6 | 29 |
| 22 | Evolutionary chirp representation of non-stationary signals via Gabor transform. Signal Processing, 2001, 81, 2429-2436. | 3.7 | 27 |
| 23 | Time-frequency signal processing: Today and future. , 2021, 119, 103216. | | 25 |
| 24 | An improved hybrid feature reduction for increased breast cancer diagnostic performance. Biomedical Engineering Letters, 2014, 4, 285-291. | 4.1 | 21 |
| 25 | An iterative tomosynthesis reconstruction using total variation combined with non-local means filtering. BioMedical Engineering OnLine, 2014, 13, 65. | 2.7 | 21 |
| 26 | Classification of Epileptic EEG Signals Using Synchrosqueezing Transform and Machine Learning. International Journal of Neural Systems, 2021, 31, 2150005. | 5.2 | 21 |
| 27 | EMG based Hand Gesture Recognition using Deep Learning. , 2020, , . | | 21 |
| 28 | A novel approach to malignant-benign classification of pulmonary nodules by using ensemble learning classifiers. , 2014, 2014, 4651-4. | | 20 |
| 29 | Seizure onset detection based on frequency domain metric of empirical mode decomposition. Signal, Image and Video Processing, 2018, 12, 1489-1496. | 2.7 | 19 |
| 30 | Advanced-neural network receiver design-to combat multiple channel-impairments. Turkish Journal of Electrical Engineering and Computer Sciences, 2016, 24, 3066-3077. | 1.4 | 18 |
| 31 | Arrhythmia Detection on ECG Signals by Using Empirical Mode Decomposition. , 2018, , . | | 18 |
| 32 | Asynchronous Representation and Processing of Nonstationary Signals : A Time-Frequency Framework. IEEE Signal Processing Magazine, 2013, 30, 42-52. | 5.6 | 17 |
| 33 | EEG based Emotional State Estimation using 2-D Deep Learning Technique. , 2019, , . | | 17 |
| 34 | A new method for pulmonary nodule detection using decision trees. , 2013, 2013, 7355-9. | | 16 |
| 35 | Emotion Recognition from EEG Signals by Using Empirical Mode Decomposition. , 2018, , . | | 15 |
| 36 | Part 2: biocompatibility evaluation of hydroxyapatite-based clinoptilolite and Al ₂ O ₃ composites. Journal of the Australian Ceramic Society, 2017, 53, 217-223. | 1.9 | 14 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Decreased global field synchronization of multichannel frontal EEG measurements in obsessive-compulsive disorders. <i>Medical and Biological Engineering and Computing</i> , 2018, 56, 331-338. | 2.8 | 14 |
| 38 | A fractional Gabor expansion. <i>Journal of the Franklin Institute</i> , 2003, 340, 391-397. | 3.4 | 13 |
| 39 | Part 1: clinoptiloliteâ€“aluminaâ€“hydroxyapatite composites for biomedical engineering. <i>Journal of the Australian Ceramic Society</i> , 2017, 53, 91-99. | 1.9 | 13 |
| 40 | Detection of Epileptic Seizures by the Analysis of EEG Signals Using Empirical Mode Decomposition. , 2018, , . | | 13 |
| 41 | Dataset for multi-channel surface electromyography (sEMG) signals of hand gestures. <i>Data in Brief</i> , 2022, 41, 107921. | 1.0 | 13 |
| 42 | Evolutionary spectral analysis using a warped Gabor expansion. , 0, , . | | 12 |
| 43 | Discrete evolutionary transform for time-frequency analysis. , 0, , . | | 12 |
| 44 | A discrete fractional Gabor expansion for multi-component signals. <i>AEU - International Journal of Electronics and Communications</i> , 2007, 61, 279-285. | 2.9 | 12 |
| 45 | Iterative image reconstruction using non-local means with total variation from insufficient projection data. <i>Journal of X-Ray Science and Technology</i> , 2016, 24, 1-8. | 1.0 | 12 |
| 46 | Simulation and Measurement of Air-Coupled Semi-Circular and Conical PVDF Sensors. <i>IEEE Sensors Journal</i> , 2016, 16, 983-988. | 4.7 | 12 |
| 47 | Analysis of epileptic EEG signals by using dynamic mode decomposition and spectrum. <i>Biocybernetics and Biomedical Engineering</i> , 2021, 41, 28-44. | 5.9 | 12 |
| 48 | A new CNN training approach with application to hyperspectral image classification. , 2021, 113, 103016. | | 12 |
| 49 | Timeâ€“frequency analysis and classification of temporomandibular joint sounds. <i>Journal of the Franklin Institute</i> , 2000, 337, 437-451. | 3.4 | 11 |
| 50 | Respiratory parameter estimation in non-invasive ventilation based on generalized Gaussian noise models. <i>Signal Processing</i> , 2010, 90, 480-489. | 3.7 | 11 |
| 51 | Lung Model Parameter Estimation by Unscented Kalman Filter. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 2556-9. | 0.5 | 10 |
| 52 | A decision support system to determine optimal ventilator settings. <i>BMC Medical Informatics and Decision Making</i> , 2014, 14, 3. | 3.0 | 10 |
| 53 | Encapsulation of indocyanine green in poly(lactic acid) nanofibers for using as a nanoprobe in biomedical diagnostics. <i>Materials Letters</i> , 2018, 228, 148-151. | 2.6 | 10 |
| 54 | RFID based hand hygiene compliance monitoring station. , 2013, , . | | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Intrinsic mode chirp decomposition of non-stationary signals. IET Signal Processing, 2014, 8, 267-276. | 1.5 | 9 |
| 56 | Synchronization Analysis In Epileptic EEG Signals Via State Transfer Networks Based On Visibility Graph Technique. International Journal of Neural Systems, 2022, 32, 2150041. | 5.2 | 9 |
| 57 | Chronic Kidney Disease Prediction with Reduced Individual Classifiers. Electrica, 2018, 18, 249-255. | 1.2 | 9 |
| 58 | Analysis of brain connectivity changes after propofol injection by generalized partial directed coherence. , 2014, 25, 156-163. | | 8 |
| 59 | Analysis of gastric myoelectrical activity from the electrogastrogram signals based on wavelet transform and line length feature. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2018, 232, 403-411. | 1.8 | 8 |
| 60 | Subcarrier intensity modulation for MIMO visible light communications. Optics Communications, 2018, 412, 90-101. | 2.1 | 8 |
| 61 | Indocyanine green based fluorescent polymeric nanoprobe for in vitro imaging. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 538-554. | 3.4 | 8 |
| 62 | Abnormal ECG Beat Detection Based on Convolutional Neural Networks. , 2020, , . | | 8 |
| 63 | EMG based Hand Gesture Classification using Empirical Mode Decomposition Time-Series and Deep Learning. , 2020, , . | | 8 |
| 64 | Bagging support vector machine approaches for pulmonary nodule detection. , 2013, , . | | 7 |
| 65 | A test and simulation device for Doppler-based fetal heart rate monitoring. Turkish Journal of Electrical Engineering and Computer Sciences, 2015, 23, 1187-1194. | 1.4 | 7 |
| 66 | Investigation of Wearable Motion Capture System Towards Biomechanical Modelling. , 2019, , . | | 7 |
| 67 | Analysis of linear lung models based on state-space models. Computer Methods and Programs in Biomedicine, 2020, 183, 105094. | 4.7 | 7 |
| 68 | Deep Learning Based Facial Emotion Recognition System. , 2020, , . | | 7 |
| 69 | ECG Arrhythmia Detection with Deep Learning. , 2020, , . | | 7 |
| 70 | Evolutionary spectral analysis and the generalized Gabor expansion. , 0, , . | | 6 |
| 71 | A fractional Gabor transform. , 0, , . | | 6 |
| 72 | Instantaneous frequency estimation using discrete evolutionary transform for jammer excision. , 0, , . | | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Modeling and Estimation of Wireless OFDM Channels by Using Time-Frequency Analysis. Circuits, Systems, and Signal Processing, 2006, 25, 389-403. | 2.0 | 6 |
| 74 | Adaptive multiple relay selection and power optimization for cognitive radio networks. , 2012, , . | | 6 |
| 75 | Designing an Obstacle Detection and Alerting System for Visually Impaired People on Sidewalks. , 2019, , . | | 6 |
| 76 | Emotion Recognition with Multi-Channel EEG Signals Using Visual Stimulus. , 2019, , . | | 6 |
| 77 | Design of Real Time Cardiac Arrhythmia Detection Device. , 2019, , . | | 6 |
| 78 | Intrinsic Synchronization Analysis of Brain Activity in Obsessive-compulsive Disorders. International Journal of Neural Systems, 2020, 30, 2050046. | 5.2 | 6 |
| 79 | Time-frequency channel modeling and estimation of multi-carrier spread spectrum communication systems. Journal of the Franklin Institute, 2005, 342, 776-792. | 3.4 | 5 |
| 80 | Analysis of temporomandibular joint sounds in orthodontic patients. Computers and Electrical Engineering, 2006, 32, 312-321. | 4.8 | 5 |
| 81 | Local instantaneous frequency estimation of multi-component signals. Computers and Electrical Engineering, 2008, 34, 281-289. | 4.8 | 5 |
| 82 | Channel estimation for OFDM systems with high mobility fading channels. , 2009, , . | | 5 |
| 83 | A Robust Image Watermarking in the Joint Time-Frequency Domain. Eurasip Journal on Advances in Signal Processing, 2010, 2010, . | 1.7 | 5 |
| 84 | Time-Frequency Based Channel Estimation for High-Mobility OFDM Systems-Part I: MIMO Case. Eurasip Journal on Advances in Signal Processing, 2010, 2010, . | 1.7 | 5 |
| 85 | Image denoising by using non-local means and Total Variation. , 2014, , . | | 5 |
| 86 | Smart Wearable patient tracking Systems. , 2015, , . | | 5 |
| 87 | Fundamental frequency estimation for monophonical Turkish music by using VMD. , 2015, , . | | 5 |
| 88 | Detection of Attention Deficit Hyperactivity Disorder Using Local and Global Features. , 2018, , . | | 5 |
| 89 | Counting Bacteria Colonies Based on Image Processing Methods. , 2019, , . | | 5 |
| 90 | Channel Contributions of EEG in Emotion Modelling Based on Multivariate Adaptive Orthogonal Signal Decomposition. IETE Journal of Research, 2023, 69, 3083-3094. | 2.6 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | EEG Denoising Based on Empirical Mode Decomposition and Mutual Information. IFMBE Proceedings, 2014, , 631-634. | 0.3 | 5 |
| 92 | Noise-Assisted Multivariate Empirical Mode Decomposition Based Emotion Recognition. Electrica, 2018, 18, 263-274. | 1.2 | 5 |
| 93 | Null Subcarrier Index Modulation in OFDM Systems for 6G and Beyond. Sensors, 2021, 21, 7263. | 3.8 | 5 |
| 94 | Respiratory parameter estimation in linear lung models. , 2008, 2008, 307-10. | | 4 |
| 95 | Inverse Modeling of Respiratory System during Noninvasive Ventilation by Maximum Likelihood Estimation. Eurasip Journal on Advances in Signal Processing, 2010, 2010, . | 1.7 | 4 |
| 96 | Interpolation techniques for OFDM channel estimation. , 2010, , . | | 4 |
| 97 | Posterior Cramerâ€“Rao Lower Bounds for dual Kalman estimation. , 2012, 22, 47-53. | | 4 |
| 98 | Spectrum sensing using empirical mode decomposition and relative entropy. , 2013, , . | | 4 |
| 99 | Signal-adaptive discrete evolutionary transform as a sparse timeâ€“frequency representation. , 2013, 23, 1747-1755. | | 4 |
| 100 | Optimum relay selection for cooperative spectrum sensing and transmission in cognitive networks. , 2014, , . | | 4 |
| 101 | A New Intrinsic Mode Function Selection Method Based on Power Spectral Density. , 2018, , . | | 4 |
| 102 | Synchronization analysis of epilepsy data using global field synchronization. , 2017, , . | | 4 |
| 103 | Detection of some heart diseases by the analysis of ECG signals. , 2010, , . | | 3 |
| 104 | Neural network based receiver design for Software Defined Radio over unknown channels. , 2013, , . | | 3 |
| 105 | Classification of hyperspectral images using mixture of probabilistic PCA models. , 2016, , . | | 3 |
| 106 | Detection of chronic kidney disease by using Adaboost ensemble learning approach. , 2016, , . | | 3 |
| 107 | State transfer network of time series based on visibility graph analysis for classifying and prediction of epilepsy seizures. , 2017, , . | | 3 |
| 108 | Virtual Mouse Control by Webcam for the Disabled. , 2018, , . | | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | Analysis of reduced EEG channels based on emotional stimulus. , 2018, , . | | 3 |
| 110 | Gray and white matter segmentation method in MRI images for ADHD detection. , 2018, , . | | 3 |
| 111 | Emotion Recognition with Multi-Channel EEG Signals Using Auditory Stimulus. , 2019, , . | | 3 |
| 112 | Dual Kalman Filter based State-Parameter Estimation in Linear Lung Models. IFMBE Proceedings, 2009, , 272-275. | 0.3 | 3 |
| 113 | Synchrosqueezing Transform in Biomedical Applications: A mini review. , 2020, , . | | 3 |
| 114 | Interference suppression in DSSS communication systems using instantaneous frequency estimation. , 0, , . | | 2 |
| 115 | Broadband jammer excision in spread spectrum communication systems using time-frequency masking. , 0, , . | | 2 |
| 116 | An iterative method for instantaneous frequency estimation. , 0, , . | | 2 |
| 117 | Signal-Adaptive Evolutionary Spectral Analysis Using Instantaneous Frequency Estimation. Frequenz, 2005, 59, . | 0.9 | 2 |
| 118 | Evaluation of the Fatigue in Human Arms via Electromyography Signals. , 0, , . | | 2 |
| 119 | Time-Varying Channel Estimation for OFDM Systems. , 2007, , . | | 2 |
| 120 | Applications of Time-Frequency Signal Processing in Wireless Communications and Bioengineering. Eurasip Journal on Advances in Signal Processing, 2011, 2010, . | 1.7 | 2 |
| 121 | Energy based spectrum sensing using wavelet transform for fading channels. , 2012, , . | | 2 |
| 122 | An optimum relay selection for cooperative transmission and spectrum sensing in cognitive networks. , 2012, , . | | 2 |
| 123 | Initial image selection in limited angle tomographic imaging. , 2014, , . | | 2 |
| 124 | EOG denoising using Empirical Mode Decomposition and Detrended Fluctuation Analysis. , 2014, , . | | 2 |
| 125 | Relay selection methods in cooperative spatial modulation for wireless networks. , 2015, , . | | 2 |
| 126 | Epilepsy detection using Empirical Mode Decomposition and detrended Fluctuation Analysis. , 2015, , . | | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | DC-informative subcarrier intensity modulation for visible light communication. , 2017, , . | | 2 |
| 128 | Production of starch nanoparticles by electrospraying as a delivery system for Vanillin. , 2017, , . | | 2 |
| 129 | Emotion recognition classification in EEG signals using multivariate synchrosqueezing transform. , 2017, , . | | 2 |
| 130 | Emotion Detection Using Multivariate Synchrosqueezing Transform via 2D Circumplex Model. , 2018, , . | | 2 |
| 131 | Analysis of Gait Dynamics of ALS Disease and Classification of Artificial Neural Networks. Tehnicki Vjesnik, 2018, 25, . | 0.2 | 2 |
| 132 | A New Method to Detect Diabetic Retinopathy. , 2018, , . | | 2 |
| 133 | Performance analysis of indoor mobile MIMO visible light communications. , 2018, , . | | 2 |
| 134 | Classification of epileptic EEG data by using ensemble empirical mode decomposition. , 2018, , . | | 2 |
| 135 | Force irradiation effect of kinesiotaping on contralateral muscle activation. Human Movement Science, 2019, 66, 310-317. | 1.4 | 2 |
| 136 | Epileptic EEG Classification Using Synchrosqueezing Transform with Machine and Deep Learning Techniques. , 2021, , . | | 2 |
| 137 | A Diagnostic Strategy via Multiresolution Synchrosqueezing Transform on Obsessive Compulsive Disorder. International Journal of Neural Systems, 2021, 31, 2150044. | 5.2 | 2 |
| 138 | Detection of Consumer Preferences Using EEG Signals. International Journal of Applied Mathematics Electronics and Computers, 0, , 289-294. | 0.3 | 2 |
| 139 | Deep Learning Approach Versus Traditional Machine Learning for ADHD Classification. , 2021, , . | | 2 |
| 140 | Electrogastrography in Patients with Functional Dyspepsia, Joint Hypermobility, and Diabetic Gastroparesis. , 2022, 33, 182-189. | | 2 |
| 141 | Adaptive time-varying parametric modeling. , 0, , . | | 1 |
| 142 | Discrete rotational Gabor transform. , 0, , . | | 1 |
| 143 | Higher order evolutionary spectral analysis. , 0, , . | | 1 |
| 144 | Time-varying bispectral analysis of nonstationary signals. , 2003, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|----|-----------|
| 145 | A Robust Image Watermarking Based on Time-Frequency. , 2007, , . | | 1 |
| 146 | Discrete evolutionary transform based robust image watermarking. , 2008, , . | | 1 |
| 147 | Doubly-selective channel estimation for OFDM systems. , 2009, , . | | 1 |
| 148 | Generalized Gauss Distribution noise model for respiratory parameter estimation. , 2009, , . | | 1 |
| 149 | Topographic and temporal spectral analysis of EEG signals during anaesthesia. , 2010, , . | | 1 |
| 150 | Time-frequency based modulation detection for cognitive communication systems. , 2011, , . | | 1 |
| 151 | Channel estimation for a wireless communication systems with chirp carriers. , 2012, , . | | 1 |
| 152 | A novel DCT based digital audio watermarking method. , 2012, , . | | 1 |
| 153 | A novel image watermarking approach. , 2013, , . | | 1 |
| 154 | Modulation classification by Hilbert-Huang Transform. , 2013, , . | | 1 |
| 155 | VibroCap: A mobility supporting hat for blind. , 2013, , . | | 1 |
| 156 | Modulation identification of digital M-ary QAM signals by Hilbert-Huang Transform. , 2013, , . | | 1 |
| 157 | An iterative reconstruction for tomosynthesis imaging using Non-Local Means. , 2014, , . | | 1 |
| 158 | Pilot tone investigation for joint channel estimation, equalization, and demodulation based on neural networks. , 2015, , . | | 1 |
| 159 | Malignant-benign classification of pulmonary nodules by bagging-decision trees. , 2015, , . | | 1 |
| 160 | Space time block coded cooperative spatial modulation. , 2015, , . | | 1 |
| 161 | Fundamental frequency estimation for heterophonical Turkish music by using VMD. , 2016, , . | | 1 |
| 162 | Ensemble learning approaches to classification of pulmonary nodules. , 2016, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 163 | Cooperation Methods for Cognitive Radio Systems. <i>Wireless Personal Communications</i> , 2017, 94, 3217-3232. | 2.7 | 1 |
| 164 | Electrogastrography in patients with diabetic gastroparesis. , 2017, , . | | 1 |
| 165 | Lesion detection from the mammography image using the Vision Development Module. , 2017, , . | | 1 |
| 166 | Classification of ADHD by using textural analysis of MR images. , 2017, , . | | 1 |
| 167 | Analysis of gastric myoelectrical activity in Joint Hypermobility Syndrome. , 2017, , . | | 1 |
| 168 | Investigation of epileptic EEG data using ensemble empirical mode decomposition. , 2017, , . | | 1 |
| 169 | Emotion elicitation analysis in multi-channel EEG signals using multivariate Empirical Mode Decomposition and Discrete Wavelet Transform. , 2017, , . | | 1 |
| 170 | A Novel Approach for Computing EEG Phase Synchronization: Interchannels Phase Clustering Method. , 2018, , . | | 1 |
| 171 | Synchronization Analysis of EEG Epilepsy by Visibility Network Graph and Cross-correlation. , 2018, , . | | 1 |
| 172 | Emotional State Sensing by Using Hybrid Multivariate Empirical Mode Decomposition and Synchrosqueezing Transform. , 2018, , . | | 1 |
| 173 | A discriminative model for contextual classification of hyperspectral images. , 2018, , . | | 1 |
| 174 | Comparison of IMF Selection Methods in Classification of Multiple Sclerosis EEG Data. , 2019, , . | | 1 |
| 175 | Control of Serious Games Designed for Alzheimer's and Dementia Patients by EEG Signals. , 2019, , . | | 1 |
| 176 | The Effect of Data Augmentation on ADHD Diagnostic Model using Deep Learning. , 2019, , . | | 1 |
| 177 | Investigation of Emotional Changes Using Features of EEG-Gamma Band and Different Classifiers. , 2019, , . | | 1 |
| 178 | Design of Brain-Computer Interface for Controlling A Virtual Keyboard. , 2019, , . | | 1 |
| 179 | Spectral-Spatial Classification of Hyperspectral Images Using CNNs and Approximate Sparse Multinomial Logistic Regression. , 2019, , . | | 1 |
| 180 | Epileptic EEG Classification by Using Advanced Signal Decomposition Methods. , 0, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 181 | Analysis of the quadratus lumborum muscle activity on leg length discrepancy: A randomized controlled trial. Journal of Back and Musculoskeletal Rehabilitation, 2021, , 1-6. | 1.1 | 1 |
| 182 | Lung Sound Noise Reduction Using Gabor Time-Frequency Masking. , 2007, , 971-974. | | 1 |
| 183 | Anesthetic gas concentration changes related to the temperature and humidity in high and low flow anesthesia. , 2009, 2009, 877-80. | | 1 |
| 184 | Classification of Epileptic EEG Signals Using Dynamic Mode Decomposition. , 2020, , . | | 1 |
| 185 | An EEG Based Liking Status Detection Method for Neuromarketing Applications. , 2020, , . | | 1 |
| 186 | Estimation of Emotion Status Using IAPS Image Data Set. , 2020, , . | | 1 |
| 187 | Individual-based Estimation of Valence with EEG. , 2020, , . | | 1 |
| 188 | EEG based Epileptic Seizures Detection using Intrinsic Time-Scale Decomposition. , 2020, , . | | 1 |
| 189 | Prediction of Sleep Apnea Using EEG Signals and Machine Learning Algorithms. , 2021, , . | | 1 |
| 190 | Time frequency analysis of temporomandibular joint sounds using Gabor expansions. , 0, , . | | 0 |
| 191 | Preliminary findings on the temporomandibular joint sounds of lateral cross-bite patients. , 0, , . | | 0 |
| 192 | A multi-window fractional evolutionary spectral analysis. , 0, , . | | 0 |
| 193 | Fractional gabor spectral estimation for multi-component signals. , 0, , . | | 0 |
| 194 | Time-Frequency Channel Modeling and Estimation of Multi-Carrier Spread Spectrum Communication Systems. , 0, , . | | 0 |
| 195 | A new spreading code for multi-carrier spread spectrum systems. , 0, , . | | 0 |
| 196 | Estimation of the forces applied to human arm by EMG signals. , 0, , . | | 0 |
| 197 | A new iris recognition method based on texture analysis. , 0, , . | | 0 |
| 198 | An evolutionary time-frequency approach to multi-carrier wireless communications. , 2006, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|----|-----------|
| 199 | Time-Frequency Channel Equalization for OFDM Communication Systems. , 2007, , . | | 0 |
| 200 | Time-varying channel estimation for MIMO-OFDM systems. , 2008, , . | | 0 |
| 201 | High capacity image watermarking in the joint spatio-frequency domain. , 2009, , . | | 0 |
| 202 | The effects of temperature changes to the anesthetic gas concentration. , 2009, , . | | 0 |
| 203 | High capacity image watermarking in the joint spatio-frequency domain. , 2009, , . | | 0 |
| 204 | EEG analysis using bifrequency spectrum. , 2010, , . | | 0 |
| 205 | Time-frequency analysis by a discrete fractional evolutionary transform. , 2010, , . | | 0 |
| 206 | Estimation of the parameters of the respiratory system. , 2011, , . | | 0 |
| 207 | Performance improvement of secondary user transmission in cognitive radio networks. , 2012, , . | | 0 |
| 208 | Wavelet transform approach to energy based spectrum sensing. , 2012, , . | | 0 |
| 209 | 3-D Tomosynthesis Image Reconstruction Using Total Variation. , 2012, , . | | 0 |
| 210 | Analysis of EEG signals by empirical mode decomposition and mutual information. , 2013, , . | | 0 |
| 211 | Comparison of 2D and 3D total variation minimization methods in breast tomosynthesis imaging. , 2013, , . | | 0 |
| 212 | A new computer-aided detection system for pulmonary nodules. , 2013, , . | | 0 |
| 213 | Performance of ensemble learning classifiers on malignant-benign classification of pulmonary nodules. , 2014, , . | | 0 |
| 214 | Sparse tomographic image reconstruction method using total variation and non-local means. , 2015, , . | | 0 |
| 215 | 2D versus 3D total variation minimization in digital breast tomosynthesis. , 2015, , . | | 0 |
| 216 | Digital breast tomosynthesis imaging using total variation and non-local means. , 2015, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|----|-----------|
| 217 | Classification of facial expressions by using 2D empirical mode decomposition. , 2015, , . | | 0 |
| 218 | A new quality control method on X-ray radiography units for biomedical technical service applications. , 2016, , . | | 0 |
| 219 | A new radiation dose measurement approach for X-ray units on biomedical technical service applications: A study of radiology. , 2016, , . | | 0 |
| 220 | Morphologic based feature extraction for arrhythmia beat detection. , 2016, , . | | 0 |
| 221 | A probabilistic method for the classification of hyperspectral images. , 2016, , . | | 0 |
| 222 | Fractal dimension analysis of Uroflowmetry signals. , 2017, , . | | 0 |
| 223 | Bandpass sampling of multiband signals by using geometric approach. , 2017, , . | | 0 |
| 224 | DWT based OFDM with DAPSK modulation for power line communication systems. , 2017, , . | | 0 |
| 225 | Computerized tomography based novel features in thyroid cancer. , 2017, , . | | 0 |
| 226 | Frequency estimation for monophonical music by using a modified VMD method. , 2017, , . | | 0 |
| 227 | Analyses of changes in electrocardiogram signals during Hookah Smoking. , 2017, , . | | 0 |
| 228 | Analysis of EMG signals in the Quadratus Lumborum muscle of healthy subject with functional leg length discrepancy. , 2017, , . | | 0 |
| 229 | Analysis of functional MRI signals by using approximate spectral clustering based on a geodesic measure of similarity. , 2017, , . | | 0 |
| 230 | Investigation of EEG relative power spectral changes in obsesive compulsive disorder patients. , 2017, , . | | 0 |
| 231 | Synchronization Analysis of EEG Epilepsy by Visibility Graph Similarity. , 2018, , . | | 0 |
| 232 | Processing and Characterization of Acoustic Signals Emitted During Plasma Discharge. , 2018, , . | | 0 |
| 233 | Cut-off Frequency Estimation Methods for Biomechanical Data Filtering. , 2018, , . | | 0 |
| 234 | Channel Estimation for Filtered OFDM Systems in Frequency Selective and High Speed Multipath Channels. , 2018, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 235 | Analysis of EEG Signals to Extract the Effects of Transcranial Magnetic Stimulation on Depression. , 2018, , . | | 0 |
| 236 | The Use of Electrogastrography and its Applications in Children. , 2018, , . | | 0 |
| 237 | Biodegradable Indocyanine Green Nanoprobe for In vitro Early Tumor Diagnosis. , 2018, , . | | 0 |
| 238 | Analysis of frontal phase synchronization in OCD patients. , 2018, , . | | 0 |
| 239 | Discrete Fourier Analysis. , 2019, , 637-720. | | 0 |
| 240 | Classification of ADHD Using Ensemble Algorithms with Deep Learning and Hand Crafted Features. , 2019, , . | | 0 |
| 241 | Frontal Synchronization Biases in Obsessive-Compulsive Disorders. , 2019, , . | | 0 |
| 242 | Selection of Intrinsic Mode Functions for Epileptic EEG Classification Using Ensemble Empirical Mode Decomposition. , 2019, , . | | 0 |
| 243 | A Dynamic Mode Decomposition Based Approach for Epileptic EEG Classification. , 2021, , . | | 0 |
| 244 | Multiple frequency estimation by using improved variational mode decomposition. , 2017, , . | | 0 |
| 245 | Obsesif Kompulsif Bozukluk Hastalarında Klinik Değerlendirme –İlâşkeleri ile EEG Senkronizasyonu Arasındaki Korelasyon. Journal of Natural and Applied Sciences, 2018, 22, 667. | 0.4 | 0 |
| 246 | Iterative Time-Varying Filter Algorithm Based On Discrete Linear Chirp Transform. , 0, , . | | 0 |
| 247 | The Spectral and Statistical Analysis of Gait Dynamics in ALS Disease. Balkan Journal of Electrical and Computer Engineering, 0, , 142-146. | 0.6 | 0 |
| 248 | IDENTIFICATION OF PARKINSON’S DISEASE BY AR MODELLING OF GAIT SIGNALS. European Journal of Technic, 0, , 153-159. | 0.3 | 0 |
| 249 | Classification of attention deficit hyperactivity disorder (ADHD) by using statistical features of MR images. , 0, , . | | 0 |
| 250 | EEG Based Mental Workload Estimation System. , 2020, , . | | 0 |
| 251 | Design of a New System for Upper Extremity Movement Ability Assessment. , 2020, , . | | 0 |
| 252 | Audio Melody Extraction from Monophonic Turkish Maqam Music. , 2020, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|----|-----------|
| 253 | Comparison of Parallel Magnetic Resonance Imaging Algorithms: PILS and SENSE. , 2020, , . | | 0 |
| 254 | Epileptic EEG Classification Using Synchrosqueezing Transform and Machine Learning. , 2020, , . | | 0 |