

# Aydin Akan

## List of Publications by Year in descending order

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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	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
2	Arrhythmic Heartbeat Classification Using 2D Convolutional Neural Networks. Irbm, 2022, 43, 422-433.	5.6	29
3	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
4	Electrogastrography in Patients with Functional Dyspepsia, Joint Hypermobility, and Diabetic Gastroparesis. , 2022, 33, 182-189.		2
5	Dataset for multi-channel surface electromyography (sEMG) signals of hand gestures. Data in Brief, 2022, 41, 107921.	1.0	13
6	Hand gesture classification using time-frequency images and transfer learning based on CNN. Biomedical Signal Processing and Control, 2022, 77, 103787.	5.7	30
7	Analysis of epileptic EEG signals by using dynamic mode decomposition and spectrum. Biocybernetics and Biomedical Engineering, 2021, 41, 28-44.	5.9	12
8	Epileptic EEG Classification Using Synchrosqueezing Transform with Machine and Deep Learning Techniques. , 2021, , .		2
9	Classification of Epileptic EEG Signals Using Synchrosqueezing Transform and Machine Learning. International Journal of Neural Systems, 2021, 31, 2150005.	5.2	21
10	A Dynamic Mode Decomposition Based Approach for Epileptic EEG Classification. , 2021, , .		0
11	Epileptic EEG Classification by Using Time-Frequency Images for Deep Learning. International Journal of Neural Systems, 2021, 31, 2150026.	5.2	52
12	A new CNN training approach with application to hyperspectral image classification. , 2021, 113, 103016.		12
13	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
14	Time-frequency signal processing: Today and future. , 2021, 119, 103216.		25
15	A Diagnostic Strategy via Multiresolution Synchrosqueezing Transform on Obsessive Compulsive Disorder. International Journal of Neural Systems, 2021, 31, 2150044.	5.2	2
16	EEG-based emotion recognition with deep convolutional neural networks. Biomedizinische Technik, 2021, 66, 43-57.	0.8	47
17	Null Subcarrier Index Modulation in OFDM Systems for 6G and Beyond. Sensors, 2021, 21, 7263.	3.8	5
18	Deep Learning Approach Versus Traditional Machine Learning for ADHD Classification. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
19	Prediction of Sleep Apnea Using EEG Signals and Machine Learning Algorithms. , 2021, , .		1
20	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
21	Analysis of linear lung models based on state-space models. Computer Methods and Programs in Biomedicine, 2020, 183, 105094.	4.7	7
22	Emotional state detection based on common spatial patterns of EEG. Signal, Image and Video Processing, 2020, 14, 473-481.	2.7	29
23	Intrinsic Synchronization Analysis of Brain Activity in Obsessive-compulsive Disorders. International Journal of Neural Systems, 2020, 30, 2050046.	5.2	6
24	Epileptic seizure classifications using empirical mode decomposition and its derivative. BioMedical Engineering OnLine, 2020, 19, 10.	2.7	42
25	Wearable sensor-based evaluation of psychosocial stress in patients with metabolic syndrome. Artificial Intelligence in Medicine, 2020, 104, 101824.	6.5	35
26	Deep Learning Based Facial Emotion Recognition System. , 2020, , .		7
27	Abnormal ECG Beat Detection Based on Convolutional Neural Networks. , 2020, , .		8
28	EEG Based Mental Workload Estimation System. , 2020, , .		0
29	Design of a New System for Upper Extremity Movement Ability Assessment. , 2020, , .		0
30	Audio Melody Extraction from Monophonic Turkish Maqam Music. , 2020, , .		0
31	Classification of Epileptic EEG Signals Using Dynamic Mode Decomposition. , 2020, , .		1
32	ECG Arrhythmia Detection with Deep Learning. , 2020, , .		7
33	An EEG Based Liking Status Detection Method for Neuromarketing Applications. , 2020, , .		1
34	Estimation of Emotion Status Using IAPS Image Data Set. , 2020, , .		1
35	EMG based Hand Gesture Classification using Empirical Mode Decomposition Time-Series and Deep Learning. , 2020, , .		8
36	Individual-based Estimation of Valence with EEG. , 2020, , .		1

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37	EEG based Epileptic Seizures Detection using Intrinsic Time-Scale Decomposition. , 2020, , .		1
38	Comparison of Parallel Magnetic Resonance Imaging Algorithms: PILS and SENSE. , 2020, , .		0
39	Synchrosqueezing Transform in Biomedical Applications: A mini review. , 2020, , .		3
40	EMG based Hand Gesture Recognition using Deep Learning. , 2020, , .		21
41	Epileptic EEG Classification Using Synchrosqueezing Transform and Machine Learning. , 2020, , .		0
42	EEG based Emotional State Estimation using 2-D Deep Learning Technique. , 2019, , .		17
43	Designing an Obstacle Detection and Alerting System for Visually Impaired People on Sidewalks. , 2019, , .		6
44	Discrete Fourier Analysis. , 2019, , 637-720.		0
45	Investigation of Wearable Motion Capture System Towards Biomechanical Modelling. , 2019, , .		7
46	Force irradiation effect of kinesiotaping on contralateral muscle activation. Human Movement Science, 2019, 66, 310-317.	1.4	2
47	Synchrosqueezing transform based feature extraction from EEG signals for emotional state prediction. Biomedical Signal Processing and Control, 2019, 52, 152-161.	5.7	50
48	Classification of ADHD Using Ensemble Algorithms with Deep Learning and Hand Crafted Features. , 2019, , .		0
49	Comparison of IMF Selection Methods in Classification of Multiple Sclerosis EEG Data. , 2019, , .		1
50	Control of Serious Games Designed for Alzheimer's and Dementia Patients by EEG Signals. , 2019, , .		1
51	Frontal Synchronization Biases in Obsessive-Compulsive Disorders. , 2019, , .		0
52	Selection of Intrinsic Mode Functions for Epileptic EEG Classification Using Ensemble Empirical Mode Decomposition. , 2019, , .		0
53	The Effect of Data Augmentation on ADHD Diagnostic Model using Deep Learning. , 2019, , .		1
54	Emotion Recognition with Multi-Channel EEG Signals Using Visual Stimulus. , 2019, , .		6

#	ARTICLE	IF	CITATIONS
55	Investigation of Emotional Changes Using Features of EEG-Gamma Band and Different Classifiers. , 2019, , .		1
56	Emotion Recognition with Multi-Channel EEG Signals Using Auditory Stimulus. , 2019, , .		3
57	Design of Brain-Computer Interface for Controlling A Virtual Keyboard. , 2019, , .		1
58	Design of Real Time Cardiac Arrhythmia Detection Device. , 2019, , .		6
59	Cardiac Arrhythmia Detection from 2D ECG Images by Using Deep Learning Technique. , 2019, , .		55
60	Counting Bacteria Colonies Based on Image Processing Methods. , 2019, , .		5
61	Real Time Emotion Recognition from Facial Expressions Using CNN Architecture. , 2019, , .		47
62	Spectral-Spatial Classification of Hyperspectral Images Using CNNs and Approximate Sparse Multinomial Logistic Regression. , 2019, , .		1
63	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
64	Emotion recognition from EEG signals by using multivariate empirical mode decomposition. Pattern Analysis and Applications, 2018, 21, 81-89.	4.6	178
65	Decreased global field synchronization of multichannel frontal EEG measurements in obsessive-compulsive disorders. Medical and Biological Engineering and Computing, 2018, 56, 331-338.	2.8	14
66	Subcarrier intensity modulation for MIMO visible light communications. Optics Communications, 2018, 412, 90-101.	2.1	8
67	Synchronization Analysis of EEG Epilepsy by Visibility Graph Similarity. , 2018, , .		0
68	Processing and Characterization of Acoustic Signals Emitted During Plasma Discharge. , 2018, , .		0
69	A New Intrinsic Mode Function Selection Method Based on Power Spectral Density. , 2018, , .		4
70	Cut-off Frequency Estimation Methods for Biomechanical Data Filtering. , 2018, , .		0
71	Channel Estimation for Filtered OFDM Systems in Frequency Selective and High Speed Multipath Channels. , 2018, , .		0
72	Emotion Recognition from EEG Signals by Using Empirical Mode Decomposition. , 2018, , .		15

#	ARTICLE	IF	CITATIONS
73	Detection of Epileptic Seizures by the Analysis of EEG Signals Using Empirical Mode Decomposition. , 2018, , .		13
74	Emotion Detection Using Multivariate Synchrosqueezing Transform via 2D Circumplex Model. , 2018, , .		2
75	Analysis of EEG Signals to Extract the Effects of Transcranial Magnetic Stimulation on Depression. , 2018, , .		0
76	The Use of Electrogastrography and its Applications in Children. , 2018, , .		0
77	Analysis of Gait Dynamics of ALS Disease and Classification of Artificial Neural Networks. Tehnicki Vjesnik, 2018, 25, .	0.2	2
78	A New Method to Detect Diabetic Retinopathy. , 2018, , .		2
79	Arrhythmia Detection on ECG Signals by Using Empirical Mode Decomposition. , 2018, , .		18
80	Detection of Attention Deficit Hyperactivity Disorder Using Local and Global Features. , 2018, , .		5
81	A Novel Approach for Computing EEG Phase Synchronization: Interchannels Phase Clustering Method. , 2018, , .		1
82	Biodegradable Indocyanine Green Nanoprobe for In vitro Early Tumor Diagnosis. , 2018, , .		0
83	Synchronization Analysis of EEG Epilepsy by Visibility Network Graph and Cross-correlation. , 2018, , .		1
84	Emotional State Sensing by Using Hybrid Multivariate Empirical Mode Decomposition and Synchrosqueezing Transform. , 2018, , .		1
85	Virtual Mouse Control by Webcam for the Disabled. , 2018, , .		3
86	Seizure onset detection based on frequency domain metric of empirical mode decomposition. Signal, Image and Video Processing, 2018, 12, 1489-1496.	2.7	19
87	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
88	A discriminative model for contextual classification of hyperspectral images. , 2018, , .		1
89	Emotion recognition based on time- frequency distribution of EEG signals using multivariate synchrosqueezing transform. , 2018, 81, 106-115.		70
90	Performance analysis of indoor mobile MIMO visible light communications. , 2018, , .		2

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91	Analysis of reduced EEG channels based on emotional stimulus. , 2018, , .		3
92	Gray and white matter segmentation method in MRI images for ADHD detection. , 2018, , .		3
93	Classification of epileptic EEG data by using ensemble empirical mode decomposition. , 2018, , .		2
94	Analysis of frontal phase synchronization in OCD patients. , 2018, , .		0
95	Encapsulation of indocyanine green in poly(lactic acid) nanofibers for using as a nanoprobe in biomedical diagnostics. Materials Letters, 2018, 228, 148-151.	2.6	10
96	Noise-Assisted Multivariate Empirical Mode Decomposition Based Emotion Recognition. Electrica, 2018, 18, 263-274.	1.2	5
97	Chronic Kidney Disease Prediction with Reduced Individual Classifiers. Electrica, 2018, 18, 249-255.	1.2	9
98	Obsesif Kompulsif Bozukluk Hastalarında Klinik Değerlendirme –İlâşkeleri ile EEG Senkronizasyonu Arasındaki Korelasyon. Journal of Natural and Applied Sciences, 2018, 22, 667.	0.4	0
99	Part 1: clinoptilolite–alumina–hydroxyapatite composites for biomedical engineering. Journal of the Australian Ceramic Society, 2017, 53, 91-99.	1.9	13
100	Part 2: biocompatibility evaluation of hydroxyapatite-based clinoptilolite and Al <sub>2</sub> O <sub>3</sub> composites. Journal of the Australian Ceramic Society, 2017, 53, 217-223.	1.9	14
101	Fractal dimension analysis of Uroflowmetry signals. , 2017, , .		0
102	Bandpass sampling of multiband signals by using geometric approach. , 2017, , .		0
103	DC-informative subcarrier intensity modulation for visible light communication. , 2017, , .		2
104	DWT based OFDM with DAPSK modulation for power line communication systems. , 2017, , .		0
105	Cooperation Methods for Cognitive Radio Systems. Wireless Personal Communications, 2017, 94, 3217-3232.	2.7	1
106	Electrogastrography in patients with diabetic gastroparesis. , 2017, , .		1
107	Computerized tomography based novel features in thyroid cancer. , 2017, , .		0
108	Lesion detection from the mammography image using the Vision Development Module. , 2017, , .		1

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109	Frequency estimation for monophonical music by using a modified VMD method. , 2017, , .		0
110	State transfer network of time series based on visibility graph analysis for classifying and prediction of epilepsy seizures. , 2017, , .		3
111	Classification of ADHD by using textural analysis of MR images. , 2017, , .		1
112	Analyses of changes in electrocardiogram signals during Hookah Smoking. , 2017, , .		0
113	Analysis of EMG signals in the Quadratus Lumborum muscle of healthy subject with functional leg length discrepancy. , 2017, , .		0
114	Analysis of gastric myoelectrical activity in Joint Hypermobility Syndrome. , 2017, , .		1
115	Investigation of epileptic EEG data using ensemble empirical mode decomposition. , 2017, , .		1
116	Analysis of functional MRI signals by using approximate spectral clustering based on a geodesic measure of similarity. , 2017, , .		0
117	Production of starch nanoparticles by electrospraying as a delivery system for Vanillin. , 2017, , .		2
118	Emotion recognition classification in EEG signals using multivariate synchrosqueezing transform. , 2017, , .		2
119	Emotion elicitation analysis in multi-channel EEG signals using multivariate Empirical Mode Decomposition and Discrete Wavelet Transform. , 2017, , .		1
120	Investigation of EEG relative power spectral changes in obsessive compulsive disorder patients. , 2017, , .		0
121	Synchronization analysis of epilepsy data using global field synchronization. , 2017, , .		4
122	Multiple frequency estimation by using improved variational mode decomposition. , 2017, , .		0
123	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
124	Fundamental frequency estimation for heterophonical Turkish music by using VMD. , 2016, , .		1
125	Iterative image reconstruction using non-local means with total variation from insufficient projection data. Journal of X-Ray Science and Technology, 2016, 24, 1-8.	1.0	12
126	A new quality control method on X-ray radiography units for biomedical technical service applications. , 2016, , .		0



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127	A new radiation dose measurement approach for X-ray units on biomedical technical service applications: A study of radiology. , 2016, , .		0
128	Morphologic based feature extraction for arrhythmia beat detection. , 2016, , .		0
129	Classification of hyperspectral images using mixture of probabilistic PCA models. , 2016, , .		3
130	Detection of chronic kidney disease by using Adaboost ensemble learning approach. , 2016, , .		3
131	A probabilistic method for the classification of hyperspectral images. , 2016, , .		0
132	Ensemble learning approaches to classification of pulmonary nodules. , 2016, , .		1
133	Simulation and Measurement of Air-Coupled Semi-Circular and Conical PVDF Sensors. IEEE Sensors Journal, 2016, 16, 983-988.	4.7	12
134	Pilot tone investigation for joint channel estimation, equalization, and demodulation based on neural networks. , 2015, , .		1
135	Breast Cancer Detection with Reduced Feature Set. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-11.	1.3	63
136	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
137	Sparse tomographic image reconstruction method using total variation and non-local means. , 2015, , .		0
138	Malignant-benign classification of pulmonary nodules by bagging-decision trees. , 2015, , .		1
139	2D versus 3D total variation minimization in digital breast tomosynthesis. , 2015, , .		0
140	Space time block coded cooperative spatial modulation. , 2015, , .		1
141	Digital breast tomosynthesis imaging using total variation and non-local means. , 2015, , .		0
142	Smart Wearable patient tracking Systems. , 2015, , .		5
143	Classification of facial expressions by using 2D empirical mode decomposition. , 2015, , .		0
144	Fundamental frequency estimation for monophonical Turkish music by using VMD. , 2015, , .		5

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145	Relay selection methods in cooperative spatial modulation for wireless networks. , 2015, , .		2
146	Epilepsy detection using Empirical Mode Decomposition and detrended Fluctuation Analysis. , 2015, , .		2
147	A novel approach to malignant-benign classification of pulmonary nodules by using ensemble learning classifiers. , 2014, 2014, 4651-4.		20
148	Initial image selection in limited angle tomographic imaging. , 2014, , .		2
149	An iterative reconstruction for tomosynthesis imaging using Non-Local Means. , 2014, , .		1
150	EOG denoising using Empirical Mode Decomposition and Detrended Fluctuation Analysis. , 2014, , .		2
151	Intrinsic mode chirp decomposition of non-Stationary signals. IET Signal Processing, 2014, 8, 267-276.	1.5	9
152	A decision support system to determine optimal ventilator settings. BMC Medical Informatics and Decision Making, 2014, 14, 3.	3.0	10
153	An improved hybrid feature reduction for increased breast cancer diagnostic performance. Biomedical Engineering Letters, 2014, 4, 285-291.	4.1	21
154	Analysis of brain connectivity changes after propofol injection by generalized partial directed coherence. , 2014, 25, 156-163.		8
155	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
156	Image denoising by using non-local means and Total Variation. , 2014, , .		5
157	Detrended fluctuation thresholding for empirical mode decomposition based denoising. , 2014, 32, 48-56.		86
158	An iterative tomosynthesis reconstruction using total variation combined with non-local means filtering. BioMedical Engineering OnLine, 2014, 13, 65.	2.7	21
159	Performance of ensemble learning classifiers on malignant-benign classification of pulmonary nodules. , 2014, , .		0
160	Optimum relay selection for cooperative spectrum sensing and transmission in cognitive networks. , 2014, , .		4
161	EEG Denoising Based on Empirical Mode Decomposition and Mutual Information. IFMBE Proceedings, 2014, , 631-634.	0.3	5
162	Spectrum sensing using empirical mode decomposition and relative entropy. , 2013, , .		4

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163	A novel image watermarking approach. , 2013, , .		1
164	Analysis of EEG signals by emprical mode decomposition and mutual information. , 2013, , .		0
165	RFID based hand hygiene compliance monitoring station. , 2013, , .		9
166	Neural network based receiver design for Software Defined Radio over unknown channels. , 2013, , .		3
167	Signal-adaptive discrete evolutionary transform as a sparse timeâ€“frequency representation. , 2013, 23, 1747-1755.		4
168	Bagging support vector machine approaches for pulmonary nodule detection. , 2013, , .		7
169	Modulation classification by Hilbert-Huang Transform. , 2013, , .		1
170	Comparison of 2D and 3D total variation minimization methods in breast tomosynthesis imaging. , 2013, , .		0
171	VibroCap: A mobility supporting hat for blind. , 2013, , .		1
172	Asynchronous Representation and Processing of Nonstationary Signals : A Time-Frequency Framework. IEEE Signal Processing Magazine, 2013, 30, 42-52.	5.6	17
173	A new computer-aided detection system for pulmonary nodules. , 2013, , .		0
174	Modulation identification of digital M-ary QAM signals by Hilbert-Huang Transform. , 2013, , .		1
175	A new method for pulmonary nodule detection using decision trees. , 2013, 2013, 7355-9.		16
176	Digital breast tomosynthesis image reconstruction using 2D and 3D total variation minimization. BioMedical Engineering OnLine, 2013, 12, 112.	2.7	40
177	Classification of Pulmonary Nodules by Using Hybrid Features. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-11.	1.3	29
178	Performance improvement of secondary user transmission in cognitive radio networks. , 2012, , .		0
179	Channel estimation for a wireless communication systems with chirp carriers. , 2012, , .		1
180	Wavelet transform approach to energy based spectrum sensing. , 2012, , .		0

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181	3-D Tomosynthesis Image Reconstruction Using Total Variation. , 2012, , .		0
182	A novel DCT based digital audio watermarking method. , 2012, , .		1
183	Energy based spectrum sensing using wavelet transform for fading channels. , 2012, , .		2
184	An optimum relay selection for cooperative transmission and spectrum sensing in cognitive networks. , 2012, , .		2
185	Adaptive multiple relay selection and power optimization for cognitive radio networks. , 2012, , .		6
186	Posterior Cramerâ€“Rao Lower Bounds for dual Kalman estimation. , 2012, 22, 47-53.		4
187	Time-frequency based modulation detection for cognitive communication systems. , 2011, , .		1
188	Applications of Time-Frequency Signal Processing in Wireless Communications and Bioengineering. Eurasip Journal on Advances in Signal Processing, 2011, 2010, .	1.7	2
189	Estimation of the parameters of the respiratory system. , 2011, , .		0
190	A Robust Image Watermarking in the Joint Time-Frequency Domain. Eurasip Journal on Advances in Signal Processing, 2010, 2010, .	1.7	5
191	Time-Frequency Based Channel Estimation for High-Mobility OFDM Systemsâ€“Part I: MIMO Case. Eurasip Journal on Advances in Signal Processing, 2010, 2010, .	1.7	5
192	Inverse Modeling of Respiratory System during Noninvasive Ventilation by Maximum Likelihood Estimation. Eurasip Journal on Advances in Signal Processing, 2010, 2010, .	1.7	4
193	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
194	Respiratory parameter estimation in non-invasive ventilation based on generalized Gaussian noise models. Signal Processing, 2010, 90, 480-489.	3.7	11
195	Topographic and temporal spectral analysis of EEG signals during anaesthesia. , 2010, , .		1
196	Detection of some heart diseases by the analysis of ECG signals. , 2010, , .		3
197	EEG analysis using bifrequency spectrum. , 2010, , .		0
198	Interpolation techniques for OFDM channel estimation. , 2010, , .		4

#	ARTICLE	IF	CITATIONS
199	Time-frequency analysis by a discrete fractional evolutionary transform. , 2010, , .		0
200	High capacity image watermarking in the joint spatio-frequency domain. , 2009, , .		0
201	Doubly-selective channel estimation for OFDM systems. , 2009, , .		1
202	Generalized Gauss Distribution noise model for respiratory parameter estimation. , 2009, , .		1
203	The effects of temperature changes to the anesthetic gas concentration. , 2009, , .		0
204	Channel estimation for OFDM systems with high mobility fading channels. , 2009, , .		5
205	High capacity image watermarking in the joint spatio-frequency domain. , 2009, , .		0
206	Dual Kalman Filter based State-Parameter Estimation in Linear Lung Models. IFMBE Proceedings, 2009, , 272-275.	0.3	3
207	Anesthetic gas concentration changes related to the temperature and humidity in high and low flow anesthesia. , 2009, 2009, 877-80.		1
208	Local instantaneous frequency estimation of multi-component signals. Computers and Electrical Engineering, 2008, 34, 281-289.	4.8	5
209	Respiratory parameter estimation in linear lung models. , 2008, 2008, 307-10.		4
210	Discrete evolutionary transform based robust image watermarking. , 2008, , .		1
211	Time-varying channel estimation for MIMO-OFDM systems. , 2008, , .		0
212	Time-Varying Channel Estimation for OFDM Systems. , 2007, , .		2
213	Lung Model Parameter Estimation by Unscented Kalman Filter. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 2556-9.	0.5	10
214	A Robust Image Watermarking Based on Time-Frequency. , 2007, , .		1
215	Time-Frequency Channel Equalization for OFDM Communication Systems. , 2007, , .		0
216	A discrete fractional Gabor expansion for multi-component signals. AEU - International Journal of Electronics and Communications, 2007, 61, 279-285.	2.9	12

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217	Lung Sound Noise Reduction Using Gabor Time-Frequency Masking. , 2007, , 971-974.		1
218	An evolutionary time-frequency approach to multi-carrier wireless communications. , 2006, , .		0
219	Analysis of temporomandibular joint sounds in orthodontic patients. Computers and Electrical Engineering, 2006, 32, 312-321.	4.8	5
220	Modeling and Estimation of Wireless OFDM Channels by Using Time-Frequency Analysis. Circuits, Systems, and Signal Processing, 2006, 25, 389-403.	2.0	6
221	Timeâ€“frequency channel modeling and estimation of multi-carrier spread spectrum communication systems. Journal of the Franklin Institute, 2005, 342, 776-792.	3.4	5
222	Signal-Adaptive Evolutionary Spectral Analysis Using Instantaneous Frequency Estimation. Frequenz, 2005, 59, .	0.9	2
223	A fractional Gabor expansion. Journal of the Franklin Institute, 2003, 340, 391-397.	3.4	13
224	Time-varying bispectral analysis of nonstationary signals. , 2003, , .		1
225	Evolutionary chirp representation of non-stationary signals via Gabor transform. Signal Processing, 2001, 81, 2429-2436.	3.7	27
226	Discrete evolutionary transform for timeâ€“frequency signal analysis. Journal of the Franklin Institute, 2000, 337, 347-364.	3.4	41
227	Timeâ€“frequency analysis and classification of temporomandibular joint sounds. Journal of the Franklin Institute, 2000, 337, 437-451.	3.4	11
228	Multi-window Gabor expansion for evolutionary spectral analysis. Signal Processing, 1997, 63, 249-262.	3.7	55
229	Adaptive time-varying parametric modeling. , 0, , .		1
230	Evolutionary spectral analysis and the generalized Gabor expansion. , 0, , .		6
231	Discrete rotational Gabor transform. , 0, , .		1
232	Evolutionary spectral analysis using a warped Gabor expansion. , 0, , .		12
233	Discrete evolutionary transform for time-frequency analysis. , 0, , .		12
234	Time frequency analysis of temporomandibular joint sounds using Gabor expansions. , 0, , .		0

#	ARTICLE	IF	CITATIONS
235	Interference suppression in DSSS communication systems using instantaneous frequency estimation. , 0, , .		2
236	Broadband jammer excision in spread spectrum communication systems using time-frequency masking. , 0, , .		2
237	A fractional Gabor transform. , 0, , .		6
238	Instantaneous frequency estimation using discrete evolutionary transform for jammer excision. , 0, , .		6
239	An iterative method for instantaneous frequency estimation. , 0, , .		2
240	Preliminary findings on the temporomandibular joint sounds of lateral cross-bite patients. , 0, , .		0
241	A multi-window fractional evolutionary spectral analysis. , 0, , .		0
242	Higher order evolutionary spectral analysis. , 0, , .		1
243	Fractional gabor spectral estimation for multi-component signals. , 0, , .		0
244	Time-Frequency Channel Modeling and Estimation of Multi-Carrier Spread Spectrum Communication Systems. , 0, , .		0
245	A new spreading code for multi-carrier spread spectrum systems. , 0, , .		0
246	Estimation of the forces applied to human arm by EMG signals. , 0, , .		0
247	A new iris recognition method based on texture analysis. , 0, , .		0
248	Evaluation of the Fatigue in Human Arms via Electromyography Signals. , 0, , .		2
249	Epileptic EEG Classification by Using Advanced Signal Decomposition Methods. , 0, , .		1
250	Iterative Time-Varying Filter Algorithm Based On Discrete Linear Chirp Transform. , 0, , .		0
251	The Spectral and Statistical Analysis of Gait Dynamics in ALS Disease. Balkan Journal of Electrical and Computer Engineering, 0, , 142-146.	0.6	0
252	IDENTIFICATION OF PARKINSONA€™S DISEASE BY AR MODELLING OF GAIT SIGNALS. European Journal of Technic, 0, , 153-159.	0.3	0

#	ARTICLE	IF	CITATIONS
253	Classification of attention deficit hyperactivity disorder (ADHD) by using statistical features of MR images. , 0, , .		0
254	Detection of Consumer Preferences Using EEG Signals. International Journal of Applied Mathematics Electronics and Computers, 0, , 289-294.	0.3	2