

Gorkem Serbes

List of Publications by Year in descending order

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46
papers

1,037
citations

758635

12
h-index

752256

20
g-index

47
all docs

47
docs citations

47
times ranked

691
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparative analysis of speech signal processing algorithms for Parkinson's disease classification and the use of the tunable Q-factor wavelet transform. Applied Soft Computing Journal, 2019, 74, 255-263.	4.1	325
2	An open access database for the evaluation of respiratory sound classification algorithms. Physiological Measurement, 2019, 40, 035001.	1.2	145
3	Analyzing the effectiveness of vocal features in early telediagnosis of Parkinson's disease. PLoS ONE, 2017, 12, e0182428.	1.1	73
4	Pulmonary crackle detection using time-frequency and time-scale analysis. , 2013, 23, 1012-1021.		71
5	An Automated Lung Sound Preprocessing and Classification System Based On Spectral Analysis Methods. IFMBE Proceedings, 2018, , 45-49.	0.2	47
6	A fully automated hybrid human sperm detection and classification system based on mobile-net and the performance comparison with conventional methods. Medical and Biological Engineering and Computing, 2020, 58, 1047-1068.	1.6	36
7	Feature extraction using time-frequency/scale analysis and ensemble of feature sets for crackle detection. , 2011, 2011, 3314-7.		29
8	Overcomplete discrete wavelet transform based respiratory sound discrimination with feature and decision level fusion. Biomedical Signal Processing and Control, 2017, 38, 322-336.	3.5	27
9	Estimation of Parkinson's disease severity using speech features and extreme gradient boosting. Medical and Biological Engineering and Computing, 2020, 58, 2757-2773.	1.6	21
10	An emboli detection system based on Dual Tree Complex Wavelet Transform and ensemble learning. Applied Soft Computing Journal, 2015, 37, 87-94.	4.1	19
11	Impact of car arrival/departure patterns on EV parking lot energy storage capacity. , 2016, , .		19
12	Short Time Fourier Transform based music genre classification. , 2018, , .		18
13	Automated sperm morphology analysis approach using a directional masking technique. Computers in Biology and Medicine, 2020, 122, 103845.	3.9	18
14	Denosing performance of modified dual-tree complex wavelet transform for processing quadrature embolic Doppler signals. Medical and Biological Engineering and Computing, 2014, 52, 29-43.	1.6	17
15	A lung sound classification system based on the rational dilation wavelet transform. , 2016, 2016, 3745-3748.		16
16	Modified dual tree complex wavelet transform for processing quadrature signals. Biomedical Signal Processing and Control, 2011, 6, 301-306.	3.5	15
17	Wheeze type classification using non-dyadic wavelet transform based optimal energy ratio technique. Computers in Biology and Medicine, 2019, 104, 175-182.	3.9	14
18	Decision and feature level fusion of deep features extracted from public COVID-19 data-sets. Applied Intelligence, 2022, 52, 8551-8571.	3.3	14

#	ARTICLE	IF	CITATIONS
19	Denoising embolic Doppler ultrasound signals using Dual Tree Complex Discrete Wavelet Transform. , 2010, 2010, 1840-3.		10
20	Directional dual-tree complex wavelet packet transforms for processing quadrature signals. Medical and Biological Engineering and Computing, 2016, 54, 295-313.	1.6	10
21	A complex discrete wavelet transform for processing quadrature Doppler ultrasound signals. , 2009, , .		9
22	Directional dual-tree complex wavelet packet transform. , 2013, 2013, 3046-9.		8
23	Determination of the optimal threshold value that can be discriminated by dysphonia measurements for unified Parkinson's Disease rating scale. , 2015, , .		8
24	Emboli detection using a wrapper-based feature selection algorithm with multiple classifiers. Biomedical Signal Processing and Control, 2022, 71, 103080.	3.5	8
25	Dual Tree Complex Wavelet Transform Based Sperm Abnormality Classification. , 2018, , .		7
26	Sperm morphology analysis by using the fusion of two-stage fine-tuned deep networks. Biomedical Signal Processing and Control, 2022, 71, 103246.	3.5	7
27	The Effects of the Modified Overlapping Group Shrinkage Technique on the Sperm Segmentation in the Stained Images. , 2018, , .		6
28	Performance comparison of wavelet based denoising methods on discontinuous adventitious lung sounds. , 2017, 2017, 2928-2931.		5
29	The Effect of Nonlinear Wavelet Transform Based De-noising in Sperm Abnormality Classification. , 2018, , .		5
30	Directional dual-tree rational-dilation complex wavelet transform. , 2014, 2014, 1465-8.		4
31	Embolic doppler ultrasound signal detection using modified dual tree complex wavelet transform. , 2012, , .		3
32	An area efficient real time implementation of dual tree complex wavelet transform in field programmable gate arrays. , 2015, , .		3
33	Field programmable gate arrays implementation of Dual Tree Complex Wavelet Transform. , 2015, 2015, 6026-9.		3
34	A new wavelet transform method for processing Doppler signals. , 2009, , .		2
35	Denoising performance of modified dual tree complex wavelet transform. , 2010, , .		2
36	Pulmonary crackle detection using time-frequency analysis. , 2012, , .		2

#	ARTICLE	IF	CITATIONS
37	A Multi-channel Real Time Implementation of Dual Tree Complex Wavelet Transform in Field Programmable Gate Arrays. IFMBE Proceedings, 2016, , 114-118.	0.2	2
38	Resonance based separation and energy based classification of lung sounds using tunable wavelet transform. Computers in Biology and Medicine, 2021, 131, 104288.	3.9	2
39	A micro emboli vs non-emboli classification system based on the directional dual tree rational dilation wavelet transform. , 2015, , .		1
40	Resonance based respiratory sound decomposition aiming at localization of crackles in noisy measurements. , 2016, 2016, 3688-3691.		1
41	Code generator for implementing dual tree complex wavelet transform on reconfigurable architectures for mobile applications. Healthcare Technology Letters, 2016, 3, 184-188.	1.9	1
42	Analysis of embolic signals with directional dual tree rational dilation wavelet transform. , 2016, 2016, 3821-3824.		1
43	Resonance based pre-processing method for eliminating artifacts in Doppler ultrasound signals. , 2017, , .		1
44	Extracellular spike detection with resonance based signal decomposition. , 2012, , .		0
45	Symmetrical directional dual-tree complex wavelet packet transform. , 2014, 2014, 820-3.		0
46	Enhanced Sparse Representations of Spike Waveforms Obtained by using the Basis Pursuit Approach. European Journal of Science and Technology, 0, , .	0.5	0