

Nabeel Ali Khan

List of Publications by Year in descending order

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54
papers

1,035
citations

471509

17
h-index

501196

28
g-index

55
all docs

55
docs citations

55
times ranked

618
citing authors

#	ARTICLE	IF	CITATIONS
1	Timeâ€“frequency features for pattern recognition using high-resolution TFDs: A tutorial review. , 2015, 40, 1-30.		163
2	Principles of timeâ€“frequency feature extraction for change detection in non-stationary signals: Applications to newborn EEG abnormality detection. Pattern Recognition, 2015, 48, 616-627.	8.1	90
3	Instantaneous Frequency Estimation of Multicomponent Nonstationary Signals Using Multiview Time-Frequency Distributions Based on the Adaptive Fractional Spectrogram. IEEE Signal Processing Letters, 2013, 20, 157-160.	3.6	73
4	Multiâ€“component instantaneous frequency estimation using locally adaptive directional time frequency distributions. International Journal of Adaptive Control and Signal Processing, 2016, 30, 429-442.	4.1	58
5	Timeâ€“frequency image enhancement based on interference suppression in Wignerâ€“Ville distribution. Signal Processing, 2016, 127, 80-85.	3.7	42
6	A robust and efficient instantaneous frequency estimator of multi-component signals with intersecting time-frequency signatures. Signal Processing, 2020, 177, 107728.	3.7	42
7	Cross-term elimination in Wigner distribution based on 2D signal processing techniques. Signal Processing, 2011, 91, 590-599.	3.7	38
8	Seismic Random Noise Attenuation Using Sparse Low-Rank Estimation of the Signal in the Timeâ€“Frequency Domain. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1612-1618.	4.9	37
9	A Modified Viterbi Algorithm-Based IF Estimation Algorithm for Adaptive Directional Timeâ€“Frequency Distributions. Circuits, Systems, and Signal Processing, 2019, 38, 2227-2244.	2.0	36
10	Instantaneous frequency estimation of intersecting and close multi-component signals with varying amplitudes. Signal, Image and Video Processing, 2019, 13, 517-524.	2.7	35
11	A highly adaptive directional timeâ€“frequency distribution. Signal, Image and Video Processing, 2016, 10, 1369-1376.	2.7	27
12	Locally Optimized Adaptive Directional Timeâ€“Frequency Distributions. Circuits, Systems, and Signal Processing, 2018, 37, 3154-3174.	2.0	25
13	Sparsity-Aware Adaptive Directional Timeâ€“Frequency Distribution for Source Localization. Circuits, Systems, and Signal Processing, 2018, 37, 1223-1242.	2.0	25
14	A new feature for the classification of non-stationary signals based on the direction of signal energy in the timeâ€“frequency domain. Computers in Biology and Medicine, 2018, 100, 10-16.	7.0	25
15	Classification of EEG Signals Using Adaptive Time-Frequency Distributions. Metrology and Measurement Systems, 2016, 23, 251-260.	1.4	20
16	Random noise attenuation of 2D seismic data based on sparse low-rank estimation of the seismic signal. Computers and Geosciences, 2020, 135, 104376.	4.2	20
17	Novel direction of arrival estimation using Adaptive Directional Spatial Time-Frequency Distribution. Signal Processing, 2020, 168, 107342.	3.7	18
18	Performance Comparison of Time-Frequency Distributions for Estimation of Instantaneous Frequency of Heart Rate Variability Signals. Applied Sciences (Switzerland), 2017, 7, 221.	2.5	17

#	ARTICLE	IF	CITATIONS
19	Sparse reconstruction based on iterative TF domain filtering and Viterbi based IF estimation algorithm. Signal Processing, 2020, 166, 107260.	3.7	16
20	Automatic seizure detection using a highly adaptive directional time-frequency distribution. Multidimensional Systems and Signal Processing, 2018, 29, 1661-1678.	2.6	15
21	Multi-component instantaneous frequency estimation in mono-sensor and multi-sensor recordings with application to source localization. Multidimensional Systems and Signal Processing, 2021, 32, 959-973.	2.6	15
22	Blind Source Separation Schemes for Mono-sensor and Multi-sensor Systems with Application to Signal Detection. Circuits, Systems, and Signal Processing, 2017, 36, 4615-4636.	2.0	14
23	An instantaneous frequency and group delay based feature for classifying EEG signals. Biomedical Signal Processing and Control, 2021, 67, 102562.	5.7	14
24	Improved resolution short time Fourier transform. , 2011, , .		13
25	Direction of arrival estimation of sources with intersecting signature in time-frequency domain using a combination of IF estimation and MUSIC algorithm. Multidimensional Systems and Signal Processing, 2020, 31, 549-567.	2.6	13
26	An improved design of adaptive directional time-frequency distributions based on the Radon transform. Signal Processing, 2018, 150, 85-89.	3.7	12
27	Spike Detection Based on the Adaptive Time-frequency Analysis. Circuits, Systems, and Signal Processing, 2020, 39, 5656-5680.	2.0	12
28	Reconstruction of Non-stationary Signals with Missing Samples Using Time-frequency Filtering. Circuits, Systems, and Signal Processing, 2018, 37, 3175-3190.	2.0	11
29	Direction of arrival estimation using adaptive directional time-frequency distributions. Multidimensional Systems and Signal Processing, 2018, 29, 503-521.	2.6	11
30	Multi-component instantaneous frequency estimation using signal decomposition and time-frequency filtering. Signal, Image and Video Processing, 2020, 14, 1663-1670.	2.7	10
31	ADTFD-RANSAC For multi-component IF estimation. Signal Processing, 2022, 195, 108494.	3.7	9
32	Robust spatial time-frequency distributions for DOA estimation using spatial averaging and directional smoothing. Signal Processing, 2021, 180, 107897.	3.7	8
33	An Efficient Direction of Arrival Estimation Algorithm for Sources with Intersecting Signature in the Time-frequency Domain. Applied Sciences (Switzerland), 2021, 11, 1849.	2.5	7
34	Exploiting Temporal Correlation for Detection of Non-stationary Signals Using a De-chirping Method Based on Time-frequency Analysis. Circuits, Systems, and Signal Processing, 2018, 37, 3136-3153.	2.0	6
35	Comparative analysis of variants of Gabor-Wigner transform for cross-term reduction. Metrology and Measurement Systems, 2012, 19, 499-508.	1.4	5
36	Analysis of Power Quality Signals Using an Adaptive Time-Frequency Distribution. Energies, 2016, 9, 933.	3.1	5

#	ARTICLE	IF	CITATIONS
37	An efficient IF estimation algorithm for both mono- and multi-sensor recordings. Signal, Image and Video Processing, 2021, 15, 1687-1693.	2.7	5
38	Robust sparse reconstruction of signals with gapped missing samples from multi-sensor recordings. , 2022, 123, 103392.		5
39	An Efficient and Accurate Multi-Sensor IF Estimator Based on DOA Information and Order of Fractional Fourier Transform. Entropy, 2022, 24, 452.	2.2	5
40	Modified Gabor Wigner Transform for Crisp Time Frequency Representation. , 2009, , .		4
41	Reconstruction of gapped missing samples based on instantaneous frequency and instantaneous amplitude estimation. Signal Processing, 2022, 193, 108429.	3.7	4
42	Convolutional Neural Networks Based Time-Frequency Image Enhancement For the Analysis of EEG Signals. Multidimensional Systems and Signal Processing, 2022, 33, 863-877.	2.6	4
43	Instantaneous Frequency Estimation Using Fractional Fourier Transform and Wigner Distribution. , 2010, , .		3
44	Measures, Performance Assessment, and Enhancement of TFDs. , 2016, , 387-452.		3
45	Detection of Frequency Modulated Signals Using a Robust IF Estimation Algorithm. Circuits, Systems, and Signal Processing, 2020, 39, 2223-2231.	2.0	3
46	Modified Time-Frequency Marginal Features for Detection of Seizures in Newborns. Sensors, 2022, 22, 3036.	3.8	3
47	Iterative adaptive directional time-frequency distribution for both mono-sensor and multi-sensor recordings. Signal, Image and Video Processing, 2023, 17, 501-508.	2.7	3
48	Enhancement of the spikes attributes in the time-frequency representations of real EEG signals. , 2017, , .		2
49	Iterative missing data recovery algorithm for non-stationary signals. Signal, Image and Video Processing, 2022, 16, 1731-1738.	2.7	2
50	Radon transform for adaptive directional time-frequency distributions: Application to seizure detection in EEG signals. , 2017, , .		1
51	Direction of Arrival Estimation by Combining Robust Spatial Time-frequency Distributions and Spatial Filtering. Circuits, Systems, and Signal Processing, 2022, 41, 3853-3863.	2.0	1
52	Advanced Design and Specifications of TFDs. , 2016, , 237-327.		0
53	Detection, Classification, and Estimation in the (t, f) Domain. , 2016, , 693-743.		0
54	SUPPRESSION OF CROSS-TERM IN WIGNER DISTRIBUTION USING DIRECTIONAL FILTERING AND IMAGE PROCESSING. NED University Journal of Research, 2019, XVI, 23-29.	0.1	0