Nabeel Ali Khan

List of Publications by Year
in descending order

54	1,035	535685	563245
papers	citations	17	28
		h-index	g-index

55	55	55	707
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Iterative adaptive directional time–frequency distribution for both mono-sensor and multi-sensor recordings. Signal, Image and Video Processing, 2023, 17, 501-508.	1.7	3
2	Reconstruction of gapped missing samples based on instantaneous frequency and instantaneous amplitude estimation. Signal Processing, 2022, 193, 108429.	2.1	4
3	Robust sparse reconstruction of signals with gapped missing samples from multi-sensor recordings. , 2022, 123, 103392.		5
4	Direction of Arrival Estimation by Combining Robust Spatial Time–Frequency Distributions and Spatial Filtering. Circuits, Systems, and Signal Processing, 2022, 41, 3853-3863.	1.2	1
5	Iterative missing data recovery algorithm for non-stationary signals. Signal, Image and Video Processing, 2022, 16, 1731-1738.	1.7	2
6	ADTFD-RANSAC For multi-component IF estimation. Signal Processing, 2022, 195, 108494.	2.1	9
7	Convolutional Neural Networks Based Time-Frequency Image Enhancement For the Analysis of EEG Signals. Multidimensional Systems and Signal Processing, 2022, 33, 863-877.	1.7	4
8	An Efficient and Accurate Multi-Sensor IF Estimator Based on DOA Information and Order of Fractional Fourier Transform. Entropy, 2022, 24, 452.	1.1	5
9	Modified Time-Frequency Marginal Features for Detection of Seizures in Newborns. Sensors, 2022, 22, 3036.	2.1	3
10	Robust spatial time-frequency distributions for DOA estimation using spatial averaging and directional smoothing. Signal Processing, 2021, 180, 107897.	2.1	8
11	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.	1.7	15
12	An Efficient Direction of Arrival Estimation Algorithm for Sources with Intersecting Signature in the Time–Frequency Domain. Applied Sciences (Switzerland), 2021, 11, 1849.	1.3	7
13	An efficient IF estimation algorithm for both mono- and multi-sensor recordings. Signal, Image and Video Processing, 2021, 15, 1687-1693.	1.7	5
14	An instantaneous frequency and group delay based feature for classifying EEG signals. Biomedical Signal Processing and Control, 2021, 67, 102562.	3.5	14
15	Detection of Frequency Modulated Signals Using a Robust IF Estimation Algorithm. Circuits, Systems, and Signal Processing, 2020, 39, 2223-2231.	1.2	3
16	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.	1.7	13
17	Sparse reconstruction based on iterative TF domain filtering and Viterbi based IF estimation algorithm. Signal Processing, 2020, 166, 107260.	2.1	16
18	Novel direction of arrival estimation using Adaptive Directional Spatial Time-Frequency Distribution. Signal Processing, 2020, 168, 107342.	2.1	18

#	Article	IF	Citations
19	Random noise attenuation of 2D seismic data based on sparse low-rank estimation of the seismic signal. Computers and Geosciences, 2020, 135, 104376.	2.0	20
20	A robust and efficient instantaneous frequency estimator of multi-component signals with intersecting time-frequency signatures. Signal Processing, 2020, 177, 107728.	2.1	42
21	Spike Detection Based on the Adaptive Time–Frequency Analysis. Circuits, Systems, and Signal Processing, 2020, 39, 5656-5680.	1.2	12
22	Multi-component instantaneous frequency estimation using signal decomposition and time-frequency filtering. Signal, Image and Video Processing, 2020, 14, 1663-1670.	1.7	10
23	Seismic Random Noise Attenuation Using Sparse Low-Rank Estimation of the Signal in the Time–Frequency Domain. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1612-1618.	2.3	37
24	Instantaneous frequency estimation of intersecting and close multi-component signals with varying amplitudes. Signal, Image and Video Processing, 2019, 13, 517-524.	1.7	35
25	A Modified Viterbi Algorithm-Based IF Estimation Algorithm for Adaptive Directional Time–Frequency Distributions. Circuits, Systems, and Signal Processing, 2019, 38, 2227-2244.	1.2	36
26	SUPPRESSION OF CROSS-TERM IN WIGNER DISTRIBUTION USING DIRECTIONAL FILTERING AND IMAGE PROCESSING. NED University Journal of Research, 2019, XVI, 23-29.	0.4	0
27	Reconstruction of Non-stationary Signals with Missing Samples Using Time–frequency Filtering. Circuits, Systems, and Signal Processing, 2018, 37, 3175-3190.	1.2	11
28	An improved design of adaptive directional time–frequency distributions based on the Radon transform. Signal Processing, 2018, 150, 85-89.	2.1	12
29	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.	1.2	6
30	Locally Optimized Adaptive Directional Time–Frequency Distributions. Circuits, Systems, and Signal Processing, 2018, 37, 3154-3174.	1.2	25
31	Direction of arrival estimation using adaptive directional time-frequency distributions. Multidimensional Systems and Signal Processing, 2018, 29, 503-521.	1.7	11
32	Sparsity-Aware Adaptive Directional Time–Frequency Distribution for Source Localization. Circuits, Systems, and Signal Processing, 2018, 37, 1223-1242.	1.2	25
33	Automatic seizure detection using a highly adaptive directional time–frequency distribution. Multidimensional Systems and Signal Processing, 2018, 29, 1661-1678.	1.7	15
34	A new feature for the classification of non-stationary signals based on the direction of signal energy in the time–frequency domain. Computers in Biology and Medicine, 2018, 100, 10-16.	3.9	25
35	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.	1.2	14
36	Enhancement of the spikes attributes in the time-frequency representations of real EEG signals. , 2017, , .		2

#	Article	IF	Citations
37	Performance Comparison of Time-Frequency Distributions for Estimation of Instantaneous Frequency of Heart Rate Variability Signals. Applied Sciences (Switzerland), 2017, 7, 221.	1.3	17
38	Radon transform for adaptive directional time-frequency distributions: Application to seizure detection in EEG signals. , 2017, , .		1
39	Measures, Performance Assessment, and Enhancement of TFDs. , 2016, , 387-452.		3
40	Advanced Design and Specifications of TFDs. , 2016, , 237-327.		0
41	Analysis of Power Quality Signals Using an Adaptive Time-Frequency Distribution. Energies, 2016, 9, 933.	1.6	5
42	Detection, Classification, and Estimation in the (t , f) Domain. , 2016, , 693-743.		0
43	Multiâ€component instantaneous frequency estimation using locally adaptive directional time frequency distributions. International Journal of Adaptive Control and Signal Processing, 2016, 30, 429-442.	2.3	58
44	Classification of EEG Signals Using Adaptive Time-Frequency Distributions. Metrology and Measurement Systems, 2016, 23, 251-260.	1.4	20
45	A highly adaptive directional timeâ€"frequency distribution. Signal, Image and Video Processing, 2016, 10, 1369-1376.	1.7	27
46	Timeâ€"frequency image enhancement based on interference suppression in Wignerâ€"Ville distribution. Signal Processing, 2016, 127, 80-85.	2.1	42
47	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.	5.1	90
48	Timeâ€"frequency features for pattern recognition using high-resolution TFDs: A tutorial review. , 2015, 40, 1-30.		163
49	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.	2.1	73
50	Comparative analysis of variants of Gabor-Wigner transform for cross-term reduction. Metrology and Measurement Systems, 2012, 19, 499-508.	1.4	5
51	Improved resolution short time Fourier transform. , 2011, , .		13
52	Cross-term elimination in Wigner distribution based on 2D signal processing techniques. Signal Processing, 2011, 91, 590-599.	2.1	38
53	Instantaneous Frequency Estimation Using Fractional Fourier Transform and Wigner Distribution. , 2010, , .		3
54	Modified Gabor Wigner Transform for Crisp Time Frequency Representation. , 2009, , .		4