Nasir Saleem

List of Publications by Year
in descending order

		1040056	1058476
43 papers	299 citations	9 h-index	14 g-index
44 all docs	44 docs citations	44 times ranked	149 citing authors

#	Article	IF	Citations
1	Deep Neural Networks for Speech Enhancement in Complex-Noisy Environments. International Journal of Interactive Multimedia and Artificial Intelligence, 2020, 6, 84.	1.3	38
2	On Learning Spectral Masking for Single Channel Speech Enhancement Using Feedforward and Recurrent Neural Networks. IEEE Access, 2020, 8, 160581-160595.	4.2	30
3	DeepResGRU: Residual gated recurrent neural network-augmented Kalman filtering for speech enhancement and recognition. Knowledge-Based Systems, 2022, 238, 107914.	7.1	19
4	Unsupervised speech enhancement in low SNR environments via sparseness and temporal gradient regularization. Applied Acoustics, 2018, 141, 333-347.	3.3	13
5	An efficient global technique for solving the network constrained static and dynamic economic dispatch problem. Turkish Journal of Electrical Engineering and Computer Sciences, 2017, 25, 73-82.	1.4	12
6	Low rank sparse decomposition model based speech enhancement using gammatone filterbank and Kullback–Leibler divergence. International Journal of Speech Technology, 2018, 21, 217-231.	2.2	12
7	Supervised speech enhancement based on deep neural network. Journal of Intelligent and Fuzzy Systems, 2019, 37, 5187-5201.	1.4	12
8	Noise Reduction Based on Soft Masks by Incorporating SNR Uncertainty in Frequency Domain. Circuits, Systems, and Signal Processing, 2018, 37, 2591-2612.	2.0	11
9	Slotted Y-shaped millimeter wave reconfigurable antenna for 5G applications. , 2018, , .		10
10	A review of supervised learning algorithms for single channel speech enhancement. International Journal of Speech Technology, 2019, 22, 1051-1075.	2.2	10
11	Multi-scale decomposition based supervised single channel deep speech enhancement. Applied Soft Computing Journal, 2020, 95, 106666.	7.2	10
12	Deep neural networks based binary classification for single channel speaker independent multi-talker speech separation. Applied Acoustics, 2020, 167, 107385.	3.3	9
13	E2E-V2SResNet: Deep residual convolutional neural networks for end-to-end video driven speech synthesis. Image and Vision Computing, 2022, 119, 104389.	4.5	9
14	Ideal binary masking for reducing convolutive noise. International Journal of Speech Technology, 2015, 18, 547-554.	2.2	8
15	Automated Detection of COVID-19 using Chest X-Ray Images and CT Scans through Multilayer- Spatial Convolutional Neural Networks. International Journal of Interactive Multimedia and Artificial Intelligence, 2021, 6, 15.	1.3	8
16	Single channel noise reduction system in low SNR. International Journal of Speech Technology, 2017, 20, 89-98.	2.2	7
17	Deep Neural Network based Supervised Speech Enhancement in Speech-Babble Noise. , 2018, , .		7
18	Design and Analysis of a Novel Patch Antenna Array for 5G and Millimeter Wave Applications. , 2019, , .		7

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19	Multi-objective long-short term memory recurrent neural networks for speech enhancement. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 9037-9052.	4.9	7
20	Regularized sparse features for noisy speech enhancement using deep neural networks. Computers and Electrical Engineering, 2022, 100, 107887.	4.8	7
21	Variance based time-frequency mask estimation for unsupervised speech enhancement. Multimedia Tools and Applications, 2019, 78, 31867-31891.	3.9	6
22	Perceptually weighted Î²-order spectral amplitude Bayesian estimator for phase compensated speech enhancement. Applied Acoustics, 2021, 178, 108007.	3.3	6
23	Speech Enhancement with Geometric Advent of Spectral Subtraction using Connected Time-Frequency Regions Noise Estimation. Research Journal of Applied Sciences, Engineering and Technology, 2013, 6, 1081-1087.	0.1	5
24	Spectral Phase Estimation Based on Deep Neural Networks for Single Channel Speech Enhancement. Journal of Communications Technology and Electronics, 2019, 64, 1372-1382.	0.5	5
25	Regularized sparse decomposition model for speech enhancement via convex distortion measure. Modern Physics Letters B, 2018, 32, 1850262.	1.9	4
26	Measuring the Performance of Handover Mechanisms in UMTS for Diverse Traffic Services Classes to Improve QoS. International Journal of Computer Applications, 2012, 55, 14-19.	0.2	4
27	Learning time-frequency mask for noisy speech enhancement using gaussian-bernoulli pre-trained deep neural networks. Journal of Intelligent and Fuzzy Systems, 2021, 40, 849-864.	1.4	3
28	A Hybrid Approach for Gender Classification of Web Images. International Journal of Computer Applications, 2012, 54, 11-16.	0.2	3
29	Coherence based Dual Microphone Source Separation in Low SNR Noisy Environments. , 2018, , .		2
30	Implementation of Low Complexity CELP Coder and Performance Evaluation in terms of Speech Quality. International Journal of Computer Applications, 2012, 54, 12-16.	0.2	2
31	Estimation and equalization of sparse underwater communication channels. , 2017, , .		1
32	Modular Multilevel Converter Based HVDC System Efficiency Evaluation Using Analytical Method. , 2018, , .		1
33	Stacked Microstrip Array Antenna with Fractal Patches for Satellite Applications. , 2018, , .		1
34	Unsupervised single-channel speech enhancement based on phase aware time-frequency mask estimation. , 2021, , 75-99.		1
35	Comparative Analysis of Speech Compression Algorithms with Perceptual and LP based Quality Evaluations. International Journal of Computer Applications, 2012, 51, 37-41.	0.2	1
36	Spectral Restoration Based Speech Enhancement for Robust Speaker Identification. International Journal of Interactive Multimedia and Artificial Intelligence, 2018, 5, 34.	1.3	1

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37	On Improvement of Speech Intelligibility and Quality: A Survey of Unsupervised Single Channel Speech Enhancement Algorithms. International Journal of Interactive Multimedia and Artificial Intelligence, 2020, 6, 12.	1.3	1
38	<i>Call for Special Issue Papers:</i> Cloud Computing and Big Data for Cognitive IoT. Big Data, 2022, 10, 83-84.	3.4	1
39	Speech Intelligibility Prediction Intended for State-of-the-Art Noise Estimation Algorithms. Research Journal of Applied Sciences, Engineering and Technology, 2014, 7, 296-302.	0.1	0
40	Solving convex and non-convex static and dynamic economic dispatch problems using hybrid particle multi-swarm optimization. Tehnicki Vjesnik, 2017, 24, .	0.2	0
41	Sensor-Fusion Based Navigation for Mobile Robot in Outdoor Environment. Mehran University Research Journal of Engineering and Technology, 2019, 38, 113-128.	0.6	0
42	Improved Cooperation in Underwater Wireless Sensor Networks. Mehran University Research Journal of Engineering and Technology, 2019, 38, 1009-1020.	0.6	0
43	<i>Call for Special Issue Papers:</i> Cloud Computing and Big Data for Cognitive IoT. Big Data, 2021, 9, 413-414.	3.4	0