Vijayalakshmi Parthasarathy

List of Publications by Year
in descending order

		1478505	1588992
21	175	6	8
papers	citations	h-index	g-index

21	21	21	62
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development of a low-resource wearable continuous gesture-to-speech conversion system. Disability and Rehabilitation: Assistive Technology, 2023, 18, 1441-1452.	2.2	0
2	SBSim: A Sentence-BERT Similarity-Based Evaluation Metric for Indian Language Neural Machine Translation Systems. IEEE/ACM Transactions on Audio Speech and Language Processing, 2022, 30, 1396-1406.	5.8	9
3	Gas chimney and hydrocarbon detection using combined BBO and artificial neural network with hybrid seismic attributes. Soft Computing, 2020, 24, 2341-2354.	3.6	11
4	Data Annotation and Multi-Emotion Classification for Social Media Text. , 2020, , .		2
5	Data Augmentation using virtual microphone array synthesis and multi-resolution feature extraction for isolated word dysarthric speech recognition. IEEE Journal on Selected Topics in Signal Processing, 2020, , 1-1.	10.8	3
6	Multi-Level Single-Channel Speech Enhancement Using a Unified Framework for Estimating Magnitude and Phase Spectra. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 1315-1327.	5.8	22
7	A Weighted Speaker-Specific Confusion Transducer-Based Augmentative and Alternative Speech Communication Aid for Dysarthric Speakers. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 187-197.	4.9	12
8	Speech-Input Speech-Output Communication for Dysarthric Speakers Using HMM-Based Speech Recognition and Adaptive Synthesis System. Circuits, Systems, and Signal Processing, 2018, 37, 674-703.	2.0	10
9	Improving the Performance of Low-Resource SMT Using Neural-Inspired Sentence Generator. , 2018, , .		0
10	Exploiting acoustic similarities between Tamil and Indian English in the development of an HMMâ€based bilingual synthesiser. IET Signal Processing, 2017, 11, 332-340.	1.5	7
11	Speech enhancement in vehicular environments as a front end for robust speech recogniser. , 2017, , .		1
12	Performance improvement of Machine Translation system using LID and post-editing. , 2016, , .		1
13	Sign language to speech conversion. , 2016, , .		47
14	A small-footprint context-independent HMM-based synthesizer for Tamil. International Journal of Speech Technology, 2015, 18, 405-418.	2.2	10
15	Intelligibility modification of dysarthric speech using HMM-based adaptive synthesis system. , 2015, , .		9
16	Performance evaluation and comparison of multilingual speech synthesizers for Indian languages. , 2013, , .		1
17	LabVIEW and digital signal processor implementation of a channel vocoder based model of a cochlear implant. , 2013, , .		1
18	Development and evaluation of unit selection and HMM-based speech synthesis systems for Tamil. , 2013, , .		13

#	Article	IF	Citations
19	Improving the intelligibility of dysarthric speech by modifying system parameters, retaining speaker's identity. , 2012, , .		4
20	Improving speech intelligibility in cochlear implants using vocoder-centric acoustic models. , 2012, , .		3
21	Bias Estimation and Correction in a Classifier using Product of Likelihood-Gaussians. , 2007, , .		9