Marelie H Davel

List of Publications by Year
in descending order

		1478505	1125743
39 papers	386 citations	6 h-index	13 g-index
40 all docs	40 docs citations	40 times ranked	186 citing authors

#	Article	IF	Citations
1	A smartphone-based ASR data collection tool for under-resourced languages. Speech Communication, 2014, 56, 119-131.	2.8	60
2	Pronunciation prediction with Default&Refine. Computer Speech and Language, 2008, 22, 374-393.	4.3	36
3	Collecting and evaluating speech recognition corpora for 11 South African languages. Language Resources and Evaluation, 2011, 45, 289-309.	2.7	36
4	The Spoken Web Search Task at MediaEval 2011. , 2012, , .		36
5	The spoken web search task at MediaEval 2012. , 2013, , .		30
6	Language independent search in MediaEval's Spoken Web Search task. Computer Speech and Language, 2014, 28, 1066-1082.	4.3	30
7	Combining regression and classification methods for improving automatic speaker age recognition. , 2010, , .		21
8	The efficient generation of pronunciation dictionaries: human factors during bootstrapping. , 0, , .		14
9	Stride and Translation Invariance in CNNs. Communications in Computer and Information Science, 2020, , 267-281.	0.5	13
10	Constructing sub-word units for spoken term detection. , 2017, , .		10
11	Woefzela - an open-source platform for ASR data collection in the developing world. , 0, , .		10
12	A general-purpose IsiZulu speech synthesizer. South African Journal of African Languages, 2005, 25, 92-100.	0.3	9
13	Development of a Spoken Language Identification System for South African Languages. SAIEE Africa Research Journal, 2009, 100, 97-103.	1.2	9
14	The effect of language identification accuracy on speech recognition accuracy of proper names. , 2017, , .		9
15	Rapid Development of TTS Corpora for Four South African Languages. , 0, , .		9
16	Language identification of individual words with joint sequence models. , 0, , .		8
17	The efficient generation of pronunciation dictionaries: machine learning factors during bootstrapping. , 0, , .		6
18	Code-switched English Pronunciation Modeling for Swahili Spoken Term Detection. Procedia Computer Science, 2016, 81, 128-135.	2.0	5

#	Article	IF	Citations
19	Bootstrapping pronunciation dictionaries: practical issues. , 0, , .		5
20	The utility of spoken dialog systems. , 2008, , .		4
21	Text-based language identification of multilingual names. , 2015, , .		4
22	Developing consistent pronunciation models for phonemic variants. , 0, , .		4
23	Tracking Translation Invariance in CNNs. Communications in Computer and Information Science, 2020, , 282-295.	0.5	4
24	DNNs as Layers of Cooperating Classifiers. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 3725-3732.	4.9	3
25	Predicting vowel substitution in code-switched speech. , 2015, , .		2
26	Phonotactic spoken language identification with limited training data. , 0, , .		2
27	Category-based phoneme-to-grapheme transliteration. , 0, , .		2
28	Improving the Lwazi ASR Baseline. , 0, , .		1
29	G2p variant prediction techniques for ASR and STD. , 0, , .		1
30	Pre-interpolation Loss Behavior in Neural Networks. Communications in Computer and Information Science, 2020, , 296-309.	0.5	1
31	Benign interpolation of noise in deep learning. South African Computer Journal, 2020, 32, .	0.2	1
32	Multi-style Training for South African Call Centre Audio. Communications in Computer and Information Science, 2022, , 111-124.	0.5	1
33	Synthetic triphones from trajectory-based feature distributions. , 2015, , .		0
34	Bilateral G2P accuracy: Measuring the effect of variants. , 2017, , .		0
35	The South African directory enquiries (SADE) name corpus. Language Resources and Evaluation, 2020, 54, 155-184.	2.7	0
36	Using Summary Layers to Probe Neural Network Behaviour. South African Computer Journal, 2020, 32, .	0.2	0

#	Article	IF	Citations
37	Pairwise networks for feature ranking of a geomagnetic storm model. South African Computer Journal, 2020, 32, .	0.2	0
38	Guest Editorial: FAIR 2019 special issue. South African Computer Journal, 2020, 32, .	0.2	0
39	Two sepedi-english code-switched speech corpora. Language Resources and Evaluation, 0, , .	2.7	0