Martin Heckmann

List of Publications by Year
in descending order

39	473	1464605 7	1336881 12
papers	citations	h-index	g-index

42	42	42	407
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Survey of Personalization for Advanced Driver Assistance Systems. IEEE Transactions on Intelligent Vehicles, 2020, 5, 335-344.	9.4	76
2	Feature-space SVM adaptation for speaker adapted word prominence detection. Computer Speech and Language, 2019, 53, 198-216.	2.9	5
3	CORA, a prototype for a cooperative speech-based on-demand intersection assistant. , 2019, , .		2
4	Development of a Cooperative On-Demand Intersection Assistant. International Journal of Automotive Engineering, 2019, 10, 175-183.	0.3	0
5	â€œPlease watch rightâ€•â€“ Evaluation of a speech-based on-demand assistance system for urban intersections. Transportation Research Part F: Traffic Psychology and Behaviour, 2018, 54, 196-210.	1.8	8
6	Audio-visual word prominence detection from clean and noisy speech. Computer Speech and Language, 2018, 48, 15-30.	2.9	5
7	A Speech-Based On-Demand Intersection Assistant Prototype. , 2018, , .		3
8	Analysis of a Speech-Based Intersection Assistant in Real Urban Traffic. , 2018, , .		2
9	Development of a personalised intersection assistant. ATZ Worldwide, 2017, 119, 36-41.	0.1	1
10	Assistance-on-demand â€“ development of a speech-based, personalized left-turning assistant. Proceedings, 2017, , 17-26.	0.2	0
11	Predicting driver left-turn behavior from few training samples using a maximum a posteriori method. , 2017, , .		5
12	Benefits of Personalization in the Context of a Speech-Based Left-Turn Assistant. , 2017, , .		15
13	A maximum likelihood method for driver-specific critical-gap estimation. , 2017, , .		15
14	Comparing speaker independent and speaker adapted classification for word prominence detection. , 2016, , .		1
15	Environmentally robust audio-visual speaker identification. , 2016, , .		8
16	Assistance-On-Demand. , 2016, , .		9
17	Evaluation of optical flow field features for the detection of word prominence in a human-machine interaction scenario. , 2015, , .		3
18	Steps Towards More Natural Human-Machine Interaction via Audio-Visual Word Prominence Detection. Lecture Notes in Computer Science, 2015, , 15-24.	1.0	3

#	Article	IF	Citations
19	Robust spectro-temporal speech features with model-based distribution equalization. , 2013, , .		0
20	Incremental word learning: Efficient HMM initialization and large margin discriminative adaptation. Speech Communication, 2012, 54, 1029-1048.	1.6	8
21	A hierarchical framework for spectro-temporal feature extraction. Speech Communication, 2011, 53, 736-752.	1.6	73
22	Online data-driven fault detection for robotic systems. , 2011, , .		12
23	Combining Auditory Preprocessing and Bayesian Estimation for Robust Formant Tracking. IEEE Transactions on Audio Speech and Language Processing, 2010, 18, 224-236.	3.8	24
24	Multiple sequence alignment based bootstrapping for improved incremental word learning. , 2010, , .		2
25	Learning a probabilistic self-awareness model for robotic systems. , 2010, , .		7
26	Pitch extraction in Human-Robot interaction. , 2010, , .		3
27	Towards Speech Acquisition in Natural Interaction on ASIMO. Journal of the Robotics Society of Japan, 2010, 28, 18-22.	0.0	2
28	Teaching a humanoid robot: Headset-free speech interaction for audio-visual association learning. , 2009, , .		7
29	Interactive online multimodal association for internal concept building in humanoids. , 2009, , .		9
30	Listen to the parrot: Demonstrating the quality of online pitch and formant extraction via feature-based resynthesis. , 2008, , .		7
31	Hierarchical spectro-temporal features for robust speech recognition. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	12
32	Word Recognition with a Hierarchical Neural Network. , 2007, , 142-151.		2
33	Real-time Sound Localization With a Binaural Head-system Using a Biologically-inspired Cue-triple Mapping. , 2006, , .		32
34	Auditory Inspired Binaural Robust Sound Source Localization in Echoic and Noisy Environments. , 2006, , .		22
35	Noise Adaptive Stream Weighting in Audio-Visual Speech Recognition. Eurasip Journal on Advances in Signal Processing, 2002, 2002, 1.	1.0	81
36	Incremental word learning using large-margin discriminative training and variance floor estimation. , 0, , .		1

#	Article	IF	Citations
37	Audio-visual evaluation and detection of word prominence in a human-machine interaction scenario. , 0, , .		7
38	Speaker adaptation for support vector machine-based word prominence detection. , 0, , .		1
39	Feature-Level Decision Fusion for Audio-Visual Word Prominence Detection. , 0, , .		0