Matus Pleva

List of Publications by Year
in descending order

64 papers	495 citations	933447 10 h-index	940533 16 g-index
65 all docs	65 docs citations	65 times ranked	282 citing authors

#	Article	IF	Citations
1	Personalized Taiwanese Speech Synthesis using Cascaded ASR and TTS Framework. , 2022, , .		3
2	Automated Covid-19 Respiratory Symptoms Analysis from Speech and Cough. , 2022, , .		2
3	Overlapping speech analysis in Slovak conversational interactions. , 2022, , .		0
4	Experimental Performance Evaluation of Enhanced User Interaction Components for Web-Based Collaborative Extended Reality. Applied Sciences (Switzerland), 2021, 11, 3811.	2.5	4
5	Cost oriented software system for animal husbandry smart automation. , 2021, , .		1
6	NITRO Educational Mobile Robot Platform for Maze Solving and Obstacle Avoidance. , 2021, , .		1
7	Formosa Speech in the Wild Corpus for Improving Taiwanese Mandarin Speech-Enabled Human-Computer Interaction. Journal of Signal Processing Systems, 2020, 92, 853-873.	2.1	10
8	Survey of Automatic Spelling Correction. Electronics (Switzerland), 2020, 9, 1670.	3.1	34
9	The Influence of Religious Education on the Religiosity of Roma Children in Slovakia. Religious Education, 2020, 115, 536-548.	0.4	2
10	Non-native vs Native English Speakers User Experience in HMD vs Desktop Immersive Training. , 2020, , .		0
11	Pediatric Speech Audiometry Web Application for Hearing Detection in the Home Environment. Electronics (Switzerland), 2020, 9, 994.	3.1	11
12	User identification and prioritization control of service robot teleoperation. , 2020, , .		0
13	The Role of Hearing Screening Using an Audiometry Application in the Education of Children with Hearing Impairment. , 2020, , .		4
14	Advanced Biometric Systems Utilizing Neural Networks in Identity Evaluation. , 2020, , .		0
15	Novice User Experiences with a Voice-Enabled Human-Robot Interaction Tool. , 2019, , .		5
16	Using HMD for Immersive Training of Voice-Based Operation of Small Unmanned Ground Vehicles. Lecture Notes in Computer Science, 2019, , 34-46.	1.3	7
17	Accessible Electroencephalograms (EEGs): A Comparative Review with OpenBCIâ€™s Ultracortex Mark IV Headset. , 2019, , .		19
18	Towards robot-assisted children speech audiometry. , 2019, , .		3

#	Article	IF	Citations
19	How chatbots can be involved in the education process. , 2019, , .		24
20	Spoken Dialogue-based Remote Control of Educational Mobile Robot with Mecanum Wheels. , 2019, , .		1
21	Biometric Systems Utilizing Neural Networks in the Authentication for E-learning Platforms. , 2019, , .		7
22	Case Study on Human-Robot Interaction of the Remote-Controlled Service Robot for Elderly and Disabled Care. Computing and Informatics, 2019, 38, 1210-1236.	0.7	9
23	Weighted fast sequential DTW for multilingual audio Query-by-Example retrieval. Journal of Intelligent Information Systems, 2018, 51, 439-455.	3.9	11
24	Formosa Speech Recognition Challenge 2018: Data, Plan and Baselines. , 2018, , .		5
25	Gated Module Neural Network for Multilingual Speech Recognition. , 2018, , .		1
26	Implementation of a Speech Enabled Virtual Reality Training Tool for Human-Robot Interaction. , 2018, , .		3
27	VoMIS - the VoiceXML-Based Multimodal Interactive System for NAO Robot. , 2018, , .		1
28	Towards Slovak-English-Mandarin Speech Recognition Using Deep Learning. , 2018, , .		2
29	Exploring Human-Robot Interfaces for Service Mobile Robots. , 2018, , .		5
30	Facial Expression Emotion Detection for Real-Time Embedded Systems. Technologies, 2018, 6, 17.	5.1	43
31	Improving static audio keystroke analysis by score fusion of acoustic and timing data. Multimedia Tools and Applications, 2017, 76, 25749-25766.	3.9	12
32	Implementing English speech interface to Jaguar robot for SWAT training. , 2017, , .		15
33	Speech interface dialog with smart glasses. , 2017, , .		4
34	Preliminary evaluation of the multimodal interactive system for NAO robot. , 2017, , .		0
35	A training tool for speech driven human-robot interaction applications. , 2017, , .		8
36	Real-time emotional state detection from facial expression on embedded devices. , 2017, , .		15

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37	Multimodal dialogue system with NAO and VoiceXML dialogue manager. , 2017, , .		11
38	Classification of Broadcast News Audio Data Employing Binary Decision Architecture. Computing and Informatics, 2017, 36, 857-886.	0.7	5
39	Survey of the word sense disambiguation and challenges for the Slovak language. , 2016, , .		0
40	Using current biometrics technologies for authentication in e-learning assessment. , 2016, , .		7
41	Acoustical keystroke analysis for user identification and authentication. , 2016, , .		4
42	Efficient acoustic detector of gunshots and glass breaking. Multimedia Tools and Applications, 2016, 75, 10441-10469.	3.9	18
43	Advances in the Slovak Judicial Domain Dictation System. Lecture Notes in Computer Science, 2016, , 55-67.	1.3	5
44	Interface for smart audiovisual data archive. , 2015, , .		3
45	Query-by-example retrieval via fast sequential dynamic time warping algorithm. , 2015, , .		4
46	Static Audio Keystroke Dynamics. Communications in Computer and Information Science, 2015, , 159-169.	0.5	3
47	Automatic Acoustic Speech segmentation in Praat using cloud based ASR. , 2015, , .		4
48	Gun type recognition from gunshot audio recordings. , 2015, , .		13
49	Automatic dialogue acts classification in Slovak dialogues. , 2015, , .		4
50	Acoustical User Identification Based on MFCC Analysis of Keystrokes. Advances in Electrical and Electronic Engineering, 2015, 13, .	0.3	6
51	Slovak Automatic Dictation System for Judicial Domain. Lecture Notes in Computer Science, 2014, , 16-27.	1.3	13
52	EAR-TUKE: The Acoustic Event Detection System. Communications in Computer and Information Science, 2014, , 137-148.	0.5	3
53	Slovak Automatic Dictation System for Judicial Domain. Lecture Notes in Computer Science, 2014, , 16-27.	1.3	6
54	Modified estimation of between-class covariance matrix in linear discriminant analysis of speech. , 2013, , .		3

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55	Statistical models based password candidates generation for specified language used in wireless LAN security audit. , 2013, , .		7
56	Service Robot SCORPIO with Robust Speech Interface. International Journal of Advanced Robotic Systems, 2013, 10, 3.	2.1	17
57	Comparison of Different Feature Types for Acoustic Event Detection System. Communications in Computer and Information Science, 2013, , 288-297.	0.5	14
58	Speech Technologies for Advanced Applications in Service Robotics. Acta Polytechnica Hungarica, 2013, 10, .	2.9	13
59	Building of Broadcast News Database for Evaluation of the Automated Subtitling Service. Communications - Scientific Letters of the University of Zilina, 2013, 15, 124-128.	0.6	6
60	Broadcast news audio classification using SVM binary trees. , 2012, , .		11
61	Slovak Language Model from Internet Text Data. Lecture Notes in Computer Science, 2011, , 340-346.	1.3	5
62	Towards Slovak Broadcast News Automatic Recording and Transcribing Service. Lecture Notes in Computer Science, 2008, , 158-168.	1.3	2
63	MOBILTEL - Mobile Multimodal Telecommunications Systems and Services. , 2007, , .		0
64	Towards to Mobile Multimodal Telecommunications Systems and Services. , 2007, , 286-293.		0