Matus Pleva

List of Publications by Year
in descending order

64 papers	495 citations	10 h-index 933447
65 all docs	65 docs citations	65 times ranked

16 g-index 940533

282 citing authors

#	Article	IF	Citations
1	Facial Expression Emotion Detection for Real-Time Embedded Systems. Technologies, 2018, 6, 17.	5.1	43
2	Survey of Automatic Spelling Correction. Electronics (Switzerland), 2020, 9, 1670.	3.1	34
3	How chatbots can be involved in the education process. , 2019, , .		24
4	Accessible Electroencephalograms (EEGs): A Comparative Review with OpenBCIâ€™s Ultracortex Mark IV Headset. , 2019, , .		19
5	Efficient acoustic detector of gunshots and glass breaking. Multimedia Tools and Applications, 2016, 75, 10441-10469.	3.9	18
6	Service Robot SCORPIO with Robust Speech Interface. International Journal of Advanced Robotic Systems, 2013, 10, 3.	2.1	17
7	Implementing English speech interface to Jaguar robot for SWAT training. , 2017, , .		15
8	Real-time emotional state detection from facial expression on embedded devices. , 2017, , .		15
9	Comparison of Different Feature Types for Acoustic Event Detection System. Communications in Computer and Information Science, 2013, , 288-297.	0.5	14
10	Gun type recognition from gunshot audio recordings. , 2015, , .		13
11	Slovak Automatic Dictation System for Judicial Domain. Lecture Notes in Computer Science, 2014, , 16-27.	1.3	13
12	Speech Technologies for Advanced Applications in Service Robotics. Acta Polytechnica Hungarica, 2013, 10, .	2.9	13
13	Improving static audio keystroke analysis by score fusion of acoustic and timing data. Multimedia Tools and Applications, 2017, 76, 25749-25766.	3.9	12
14	Broadcast news audio classification using SVM binary trees. , 2012, , .		11
15	Multimodal dialogue system with NAO and VoiceXML dialogue manager. , 2017, , .		11
16	Weighted fast sequential DTW for multilingual audio Query-by-Example retrieval. Journal of Intelligent Information Systems, 2018, 51, 439-455.	3.9	11
17	Pediatric Speech Audiometry Web Application for Hearing Detection in the Home Environment. Electronics (Switzerland), 2020, 9, 994.	3.1	11
18	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

#	Article	IF	Citations
19	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
20	A training tool for speech driven human-robot interaction applications. , 2017, , .		8
21	Statistical models based password candidates generation for specified language used in wireless LAN security audit. , 2013, , .		7
22	Using current biometrics technologies for authentication in e-learning assessment. , 2016, , .		7
23	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
24	Biometric Systems Utilizing Neural Networks in the Authentication for E-learning Platforms. , 2019, , .		7
25	Acoustical User Identification Based on MFCC Analysis of Keystrokes. Advances in Electrical and Electronic Engineering, 2015, 13, .	0.3	6
26	Slovak Automatic Dictation System for Judicial Domain. Lecture Notes in Computer Science, 2014, , 16-27.	1.3	6
27	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
28	Formosa Speech Recognition Challenge 2018: Data, Plan and Baselines. , 2018, , .		5
29	Exploring Human-Robot Interfaces for Service Mobile Robots. , 2018, , .		5
30	Novice User Experiences with a Voice-Enabled Human-Robot Interaction Tool. , 2019, , .		5
31	Classification of Broadcast News Audio Data Employing Binary Decision Architecture. Computing and Informatics, 2017, 36, 857-886.	0.7	5
32	Slovak Language Model from Internet Text Data. Lecture Notes in Computer Science, 2011, , 340-346.	1.3	5
33	Advances in the Slovak Judicial Domain Dictation System. Lecture Notes in Computer Science, 2016, , 55-67.	1.3	5
34	Query-by-example retrieval via fast sequential dynamic time warping algorithm. , 2015, , .		4
35	Automatic Acoustic Speech segmentation in Praat using cloud based ASR. , 2015, , .		4
36	Automatic dialogue acts classification in Slovak dialogues. , 2015, , .		4

#	Article	IF	Citations
37	Acoustical keystroke analysis for user identification and authentication. , 2016, , .		4
38	Speech interface dialog with smart glasses. , 2017, , .		4
39	Experimental Performance Evaluation of Enhanced User Interaction Components for Web-Based Collaborative Extended Reality. Applied Sciences (Switzerland), 2021, 11, 3811.	2.5	4
40	The Role of Hearing Screening Using an Audiometry Application in the Education of Children with Hearing Impairment. , 2020, , .		4
41	Modified estimation of between-class covariance matrix in linear discriminant analysis of speech. , 2013, , .		3
42	Interface for smart audiovisual data archive. , 2015, , .		3
43	Static Audio Keystroke Dynamics. Communications in Computer and Information Science, 2015, , 159-169.	0.5	3
44	Implementation of a Speech Enabled Virtual Reality Training Tool for Human-Robot Interaction. , 2018, , .		3
45	Towards robot-assisted children speech audiometry. , 2019, , .		3
46	EAR-TUKE: The Acoustic Event Detection System. Communications in Computer and Information Science, 2014, , 137-148.	0.5	3
47	Personalized Taiwanese Speech Synthesis using Cascaded ASR and TTS Framework. , 2022, , .		3
48	Towards Slovak-English-Mandarin Speech Recognition Using Deep Learning. , 2018, , .		2
49	The Influence of Religious Education on the Religiosity of Roma Children in Slovakia. Religious Education, 2020, 115, 536-548.	0.4	2
50	Towards Slovak Broadcast News Automatic Recording and Transcribing Service. Lecture Notes in Computer Science, 2008, , 158-168.	1.3	2
51	Automated Covid-19 Respiratory Symptoms Analysis from Speech and Cough. , 2022, , .		2
52	Gated Module Neural Network for Multilingual Speech Recognition. , 2018, , .		1
53	VoMIS - the VoiceXML-Based Multimodal Interactive System for NAO Robot. , 2018, , .		1
54	Spoken Dialogue-based Remote Control of Educational Mobile Robot with Mecanum Wheels. , 2019, , .		1

#	Article	IF	Citations
55	Cost oriented software system for animal husbandry smart automation. , 2021, , .		1
56	NITRO Educational Mobile Robot Platform for Maze Solving and Obstacle Avoidance. , 2021, , .		1
57	MOBILTEL - Mobile Multimodal Telecommunications Systems and Services. , 2007, , .		0
58	Survey of the word sense disambiguation and challenges for the Slovak language. , 2016, , .		0
59	Preliminary evaluation of the multimodal interactive system for NAO robot. , 2017, , .		0
60	Non-native vs Native English Speakers User Experience in HMD vs Desktop Immersive Training. , 2020, , .		0
61	User identification and prioritization control of service robot teleoperation. , 2020, , .		0
62	Advanced Biometric Systems Utilizing Neural Networks in Identity Evaluation. , 2020, , .		0
63	Towards to Mobile Multimodal Telecommunications Systems and Services. , 2007, , 286-293.		0
64	Overlapping speech analysis in Slovak conversational interactions. , 2022, , .		0