

Jozef Juhar

List of Publications by Year in descending order

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Version: 2024-02-01

101
papers

628
citations

949033

11
h-index

993246

17
g-index

103
all docs

103
docs citations

103
times ranked

388
citing authors

#	ARTICLE	IF	CITATIONS
1	Automated Covid-19 Respiratory Symptoms Analysis from Speech and Cough. , 2022, , .		2
2	Overlapping speech analysis in Slovak conversational interactions. , 2022, , .		0
3	A Novel Approach to EEG Speech Activity Detection with Visual Stimuli and Mobile BCI. Applied Sciences (Switzerland), 2021, 11, 674.	1.3	10
4	Simulation of 5G and LTE-A Access Technologies Via Network Simulator NS-3. , 2021, , .		1
5	Formosa Speech in the Wild Corpus for Improving Taiwanese Mandarin Speech-Enabled Human-Computer Interaction. Journal of Signal Processing Systems, 2020, 92, 853-873.	1.4	10
6	Non-native vs Native English Speakers User Experience in HMD vs Desktop Immersive Training. , 2020, , .		0
7	Pediatric Speech Audiometry Web Application for Hearing Detection in the Home Environment. Electronics (Switzerland), 2020, 9, 994.	1.8	11
8	The Role of Hearing Screening Using an Audiometry Application in the Education of Children with Hearing Impairment. , 2020, , .		4
9	Novice User Experiences with a Voice-Enabled Human-Robot Interaction Tool. , 2019, , .		5
10	Using HMD for Immersive Training of Voice-Based Operation of Small Unmanned Ground Vehicles. Lecture Notes in Computer Science, 2019, , 34-46.	1.0	7
11	Accessible Electroencephalograms (EEGs): A Comparative Review with OpenBCI's Ultracortex Mark IV Headset. , 2019, , .		19
12	Towards robot-assisted children speech audiometry. , 2019, , .		3
13	Spoken Dialogue-based Remote Control of Educational Mobile Robot with Mecanum Wheels. , 2019, , .		1
14	Case Study on Human-Robot Interaction of the Remote-Controlled Service Robot for Elderly and Disabled Care. Computing and Informatics, 2019, 38, 1210-1236.	0.4	9
15	Slovak Broadcast News Speech Recognition and Transcription System. Lecture Notes on Data Engineering and Communications Technologies, 2019, , 385-394.	0.5	8
16	Modeling of Filled Pauses and Prolongations to Improve Slovak Spontaneous Speech Recognition. Topics in Intelligent Engineering and Informatics, 2019, , 153-176.	0.4	0
17	Weighted fast sequential DTW for multilingual audio Query-by-Example retrieval. Journal of Intelligent Information Systems, 2018, 51, 439-455.	2.8	11
18	Formosa Speech Recognition Challenge 2018: Data, Plan and Baselines. , 2018, , .		5

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19	Gated Module Neural Network for Multilingual Speech Recognition. , 2018, , .		1
20	Anticipation in speech-based human-machine interfaces. , 2018, , .		5
21	Implementation of a Speech Enabled Virtual Reality Training Tool for Human-Robot Interaction. , 2018, , .		3
22	Dual-Space Re-ranking Model for Efficient Document Retrieval, User Modeling and Adaptation. , 2018, , .		0
23	VoMIS - the VoiceXML-Based Multimodal Interactive System for NAO Robot. , 2018, , .		1
24	Towards Slovak-English-Mandarin Speech Recognition Using Deep Learning. , 2018, , .		2
25	An Overview of BCI-Based Speech Recognition Methods. , 2018, , .		2
26	Facial Expression Emotion Detection for Real-Time Embedded Systems. Technologies, 2018, 6, 17.	3.0	43
27	Computer simulation of signal detection in non-Gaussian noise with the Neyman-Pearson moment quality criterion. , 2018, , .		1
28	Learning string distance with smoothing for OCR spelling correction. Multimedia Tools and Applications, 2017, 76, 24549-24567.	2.6	13
29	Improving static audio keystroke analysis by score fusion of acoustic and timing data. Multimedia Tools and Applications, 2017, 76, 25749-25766.	2.6	12
30	Implementing English speech interface to Jaguar robot for SWAT training. , 2017, , .		15
31	Speech interface dialog with smart glasses. , 2017, , .		4
32	Voice command recognition using EEG signals. , 2017, , .		14
33	A training tool for speech driven human-robot interaction applications. , 2017, , .		8
34	Speech corpus generation based on N-gram confidence measure classification. , 2017, , .		3
35	Semantic indexing and document retrieval for personalized language modeling. , 2017, , .		3
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.	0.4	5
39	Emotion recognition in i-vector space. , 2016, , .		9
40	Using current biometrics technologies for authentication in e-learning assessment. , 2016, , .		7
41	MAPL - microphone array processing library. , 2016, , .		0
42	Unsupervised acoustic corpora building based on variable confidence measure thresholding. , 2016, , .		6
43	Adding filled pauses and disfluent events into language models for speech recognition. , 2016, , .		3
44	Unsupervised speech transcription and alignment based on two complementary ASR systems. , 2016, , .		4
45	Joint Signal Parameter Estimation in Non-Gaussian Noise by the Method of Polynomial Maximization. Journal of Electrical Engineering, 2016, 67, 217-221.	0.4	12
46	Towards human-machine dialog in Slovak. , 2016, , .		1
47	Fuzzy clustering in HMM-based triphone classes of 2DLDA in Slovak LVCSR. , 2016, , .		0
48	Efficient acoustic detector of gunshots and glass breaking. Multimedia Tools and Applications, 2016, 75, 10441-10469.	2.6	18
49	Diacritics Restoration in the Slovak Texts Using Hidden Markov Model. Lecture Notes in Computer Science, 2016, , 29-40.	1.0	2
50	Advances in the Slovak Judicial Domain Dictation System. Lecture Notes in Computer Science, 2016, , 55-67.	1.0	5
51	The Influence of Adaptation Database Size on the Quality of HMM-based Synthetic Voice Based on the Large Average Voice Model. Smart Innovation, Systems and Technologies, 2016, , 127-136.	0.5	0
52	Interface for smart audiovisual data archive. , 2015, , .		3
53	Improved class definition in two dimensional linear discriminant analysis of speech. , 2015, , .		1
54	Evaluation of advanced language modeling techniques for the Slovak LVCSR. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
55	Distance-based dialog acts labeling. , 2015, , .		4
56	Query-by-example retrieval via fast sequential dynamic time warping algorithm. , 2015, , .		4
57	Automatic Acoustic Speech segmentation in Praat using cloud based ASR. , 2015, , .		4
58	Gun type recognition from gunshot audio recordings. , 2015, , .		13
59	Automatic dialogue acts classification in Slovak dialogues. , 2015, , .		4
60	Speaker adaptation for Slovak statistical parametric speech synthesis based on hidden Markov models. , 2015, , .		4
61	Best feature selection for emotional speaker verification in i-vector representation. , 2015, , .		2
62	Feature selection for acoustic events detection. Multimedia Tools and Applications, 2015, 74, 4213-4233.	2.6	23
63	Language Model Speaker Adaptation for Transcription of Slovak Parliament Proceedings. Lecture Notes in Computer Science, 2015, , 259-267.	1.0	3
64	A Study of Acoustic Features for Emotional Speaker Recognition in I-Vector Representation. Acta Electrotechnica Et Informatica, 2015, 15, 15-20.	0.3	15
65	Acoustical User Identification Based on MFCC Analysis of Keystrokes. Advances in Electrical and Electronic Engineering, 2015, 13, .	0.2	6
66	Event-Based Dialogue Manager for Multimodal Systems. Advances in Intelligent Systems and Computing, 2015, , 227-235.	0.5	1
67	Comparison of Diarization Tools for Building Speaker Database. Advances in Electrical and Electronic Engineering, 2015, 13, .	0.2	1
68	HIDDEN MARKOV MODEL BASED SPEECH SYNTHESIS SYSTEM IN SLOVAK LANGUAGE WITH SPEAKER INTERPOLATION. Acta Electrotechnica Et Informatica, 2015, 15, 8-12.	0.3	7
69	Semantic roles labeling system for Slovak sentences. , 2014, , .		3
70	Design of phonetically balanced SUS test for evaluation of Slovak TTS systems. , 2014, , .		2
71	Comparison of feature selection algorithms for acoustic event detection system. , 2014, , .		6
72	Recent advances in the statistical modeling of the Slovak language. , 2014, , .		4

#	ARTICLE	IF	CITATIONS
73	Hypothesis combination for Slovak dictation speech recognition. , 2014, , .		8
74	Classification of heterogeneous text data for robust domain-specific language modeling. Eurasip Journal on Audio, Speech, and Music Processing, 2014, 2014, .	1.3	9
75	SIMONA – the Slovak embodied conversational agent. Intelligent Decision Technologies, 2014, 8, 277-288.	0.6	2
76	Slovak Automatic Dictation System for Judicial Domain. Lecture Notes in Computer Science, 2014, , 16-27.	1.0	13
77	Slovak Web Discussion Corpus. Lecture Notes in Computer Science, 2014, , 463-469.	1.0	0
78	EAR-TUKE: The Acoustic Event Detection System. Communications in Computer and Information Science, 2014, , 137-148.	0.4	3
79	Audio classification utilizing a rule-based approach and the support vector machine classifier. , 2013, , .		3
80	Modified estimation of between-class covariance matrix in linear discriminant analysis of speech. , 2013, , .		3
81	Service Robot SCORPIO with Robust Speech Interface. International Journal of Advanced Robotic Systems, 2013, 10, 3.	1.3	17
82	Comparison of Different Feature Types for Acoustic Event Detection System. Communications in Computer and Information Science, 2013, , 288-297.	0.4	14
83	Unsupervised Spelling Correction for Slovak. Advances in Electrical and Electronic Engineering, 2013, 11, .	0.2	6
84	Building of Broadcast News Database for Evaluation of the Automated Subtitling Service. Communications - Scientific Letters of the University of Zilina, 2013, 15, 124-128.	0.3	6
85	Rule-Based Morphological Tagger for Inflectional Language. Lecture Notes in Computer Science, 2012, , 208-215.	1.0	2
86	Broadcast news audio classification using SVM binary trees. , 2012, , .		11
87	Performance of Basic Spectral Descriptors and MRMR Algorithm to the Detection of Acoustic Events. Communications in Computer and Information Science, 2012, , 350-359.	0.4	6
88	Acoustic Events Detection Using MFCC and MPEG-7 Descriptors. Communications in Computer and Information Science, 2011, , 191-197.	0.4	10
89	Slovak Language Model from Internet Text Data. Lecture Notes in Computer Science, 2011, , 340-346.	1.0	5
90	Extracting Sentence Elements for the Natural Language Understanding Based on Slovak National Corpus. Lecture Notes in Computer Science, 2011, , 171-177.	1.0	3

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91	Comparison of Grapheme and Phoneme Based Acoustic Modeling in LVCSR Task in Slovak. Lecture Notes in Computer Science, 2009, , 242-247.	1.0	2
92	Optimalization of GMM for Text Independent Speaker Verification System. , 2008, , .		2
93	Towards Annotation of Nonverbal Vocal Gestures in Slovak. Lecture Notes in Computer Science, 2008, , 255-265.	1.0	2
94	Towards Slovak Broadcast News Automatic Recording and Transcribing Service. Lecture Notes in Computer Science, 2008, , 158-168.	1.0	2
95	Evaluation of the Slovak Spoken Dialogue System Based on ITU-T. Lecture Notes in Computer Science, 2008, , 633-640.	1.0	1
96	MOBILTEL - Mobile Multimodal Telecommunications Systems and Services. , 2007, , .		0
97	Phoneme Based ASR System for Slovak SpeechDat Database. Lecture Notes in Computer Science, 2001, , 237-241.	1.0	0
98	Linear Feature Transformations in Slovak Phoneme-Based Continuous Speech Recognition. , 0, , .		2
99	Comparison of Slovak and Czech speech recognition based on grapheme and phoneme acoustic models. , 0, , .		2
100	Crosslingual and bilingual speech recognition with Slovak and Czech speechdat-e databases. , 0, , .		5
101	Development of slovak GALAXY/voiceXML based spoken language dialogue system to retrieve information from the internet. , 0, , .		9