Antu00f3nio J S Teixeira

List of Publications by Year
in descending order

106 papers	921 citations	623734 14 h-index	610901 24 g-index
114 all docs	114 docs citations	114 times ranked	759 citing authors

#	Article	IF	Citations
1	Usability, accessibility and ambient-assisted living: a systematic literature review. Universal Access in the Information Society, 2015, 14, 57-66.	3.0	104
2	Elderly Centered Design for Interaction – The Case of the S4S Medication Assistant. Procedia Computer Science, 2014, 27, 398-408.	2.0	66
3	Technology-Based Innovations to Foster Personalized Healthy Lifestyles and Well-Being: A Targeted Review. Journal of Medical Internet Research, 2016, 18, e128.	4.3	58
4	European Portuguese MRI based speech production studies. Speech Communication, 2008, 50, 925-952.	2.8	46
5	Design and development of Medication Assistant: older adults centred design to go beyond simple medication reminders. Universal Access in the Information Society, 2017, 16, 545-560.	3.0	32
6	Unsupervised segmentation of the vocal tract from real-time MRI sequences. Computer Speech and Language, 2015, 33, 25-46.	4.3	30
7	A critical analysis on remote collaboration mediated by Augmented Reality: Making a case for improved characterization and evaluation of the collaborative process. Computers and Graphics, 2022, 102, 619-633.	2.5	28
8	The International Classification of Functioning, Disability and Health as a Conceptual Model for the Evaluation of Environmental Factors. Procedia Computer Science, 2012, 14, 293-300.	2.0	26
9	Speech-centric Multimodal Interaction for Easy-to-access Online Services – A Personal Life Assistant for the Elderly. Procedia Computer Science, 2014, 27, 389-397.	2.0	24
10	ICF Inspired Personas to Improve Development for Usability and Accessibility in Ambient Assisted Living. Procedia Computer Science, 2014, 27, 409-418.	2.0	23
11	A vision for contextualized evaluation of remote collaboration supported by AR. Computers and Graphics, 2022, 102, 413-425.	2.5	23
12	Association between acoustic speech features and non-severe levels of anxiety and depression symptoms across lifespan. PLoS ONE, 2021, 16, e0248842.	2.5	22
13	Dynamic language modeling for a daily broadcast news transcription system. , 2007, , .		21
14	Real-Time MRI for Portuguese. Lecture Notes in Computer Science, 2012, , 306-317.	1.3	21
15	Multilingual Speech Recognition for the Elderly: The AALFred Personal Life Assistant. Procedia Computer Science, 2015, 67, 283-292.	2.0	16
16	Trip 4 All: A Gamified App to Provide a New Way to Elderly People to Travel. Procedia Computer Science, 2015, 67, 301-311.	2.0	14
17	The AM4I Architecture and Framework for Multimodal Interaction and Its Application to Smart Environments. Sensors, 2019, 19, 2587.	3.8	14
18	A Comprehensive Analysis of Age and Gender Effects in European Portuguese Oral Vowels. Journal of Voice, 2023, 37, 143.e13-143.e29.	1.5	14

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19	Simulation of Human Speech Production Applied to the Study and Synthesis of European Portuguese. Eurasip Journal on Advances in Signal Processing, 2005, 2005, 1.	1.7	12
20	New Telerehabilitation Services for the Elderly. , 2013, , 109-132.		12
21	Exploring Silent Speech Interfaces Based on Frequency-Modulated Continuous-Wave Radar. Sensors, 2022, 22, 649.	3.8	11
22	Automatic Speech Recognition Based on Ultrasonic Doppler Sensing for European Portuguese. Communications in Computer and Information Science, 2012, , 227-236.	0.5	10
23	Quantitative systematic analysis of vocal tract data. Computer Speech and Language, 2016, 36, 307-329.	4.3	9
24	Conversational Assistant for an Accessible Smart Home. , 2018, , .		9
25	Design and Development for Individuals with ASD: Fostering Multidisciplinary Approaches Through Personas. Journal of Autism and Developmental Disorders, 2019, 49, 2156-2172.	2.7	9
26	Detecting Nasal Vowels in Speech Interfaces Based on Surface Electromyography. PLoS ONE, 2015, 10, e0127040.	2.5	9
27	On european Portuguese automatic syllabification. , 0, , .		9
28	Voice Quality of European Portuguese Emotional Speech. Lecture Notes in Computer Science, 2010, , 142-151.	1.3	9
29	Enhancing multimodal silent speech interfaces with feature selection. , 0, , .		9
30	Towards a Multimodal Silent Speech Interface for European Portuguese. , 0, , .		8
31	Design and Development of Multimodal Applications: A Vision on Key Issues and Methods. Lecture Notes in Computer Science, 2015, , 109-120.	1.3	8
32	Evaluation of Complex Distributed Multimodal Applications: Evaluating a TeleRehabilitation System When It Really Matters. Lecture Notes in Computer Science, 2015, , 146-157.	1.3	8
33	A Conceptual Model for Data Collection and Analysis for AR-based Remote Collaboration Evaluation. , 2020, , .		8
34	"Read That Article". , 2015, , .		8
35	AgeCI: HCI and Age Diversity. Lecture Notes in Computer Science, 2014, , 179-190.	1.3	7
36	Desenvolvimento da linguagem em crianças com implante coclear: terá o gênero alguma influência?. Revista CEFAC: Actualização Científica Em Fonoaudiologia, 2015, 17, 535-541.	0.1	7

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37	On the Use of Machine Learning and Syllable Information in European Portuguese Grapheme-Phone Conversion. Lecture Notes in Computer Science, 2006, , 212-215.	1.3	7
38	Segmentation and Analysis of the Oral and Nasal Cavities from MR Time Sequences. Lecture Notes in Computer Science, 2012, , 214-221.	1.3	7
39	Morphosyntactic Analysis of Language in Children with Autism Spectrum Disorder. Lecture Notes in Computer Science, 2012, , 35-45.	1.3	6
40	A Conceptual Framework for the Design and Development of AAL Services. , 2013, , 568-586.		6
41	SAPWindows - towards a versatile modular articulatory synthesizer. , 0, , .		5
42	Dynamic language modeling for European Portuguese. Computer Speech and Language, 2010, 24, 750-773.	4.3	5
43	Live evaluation within ambient assisted living scenarios. , 2014, , .		5
44	Multimodal Interaction for Accessible Smart Homes. , 2018, , .		5
45	Applications of the Multimodal Interaction Architecture in Ambient Assisted Living. , 2017, , 271-291.		5
46	European Portuguese Articulatory Based Text-to-Speech: First Results. Lecture Notes in Computer Science, 2008, , 101-111.	1.3	5
47	Age-Related Changes in European Portuguese Vowel Acoustics. , 0, , .		5
48	On the Role of Oral Configurations in European Portuguese Nasal Vowels. , 0, , .		5
49	An Anthropomorphic Perspective for Audiovisual Speech Synthesis. , 2017, , .		5
50	Impact of age in the production of European Portuguese vowels. , 0, , .		5
51	Towards a hybrid NLG system for Data2Text in Portuguese. , 2015, , .		4
52	On the Creation of a Persona to Support the Development of Technologies for Children with Autism Spectrum Disorder. Lecture Notes in Computer Science, 2016, , 213-223.	1.3	4
53	The age effects on EP vowel production: an ultrasound pilot study. , 0, , .		4
54	Auditory Processing Disorder Test Battery in European Portuguese—Development and Normative Data for Pediatric Population. Audiology Research, 2021, 11, 474-490.	1.8	4

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55	An Ontology for Human-Machine Computation Workflow Specification. Lecture Notes in Computer Science, 2014, , 49-60.	1.3	4
56	An Accessible Smart Home Based on Integrated Multimodal Interaction. Sensors, 2021, 21, 5464.	3.8	3
57	Automatic Annotation of an Ultrasound Corpus for Studying Tongue Movement. Lecture Notes in Computer Science, 2014, , 469-476.	1.3	3
58	Assessing the Applicability of Surface EMG to Tongue Gesture Detection. Lecture Notes in Computer Science, 2014, , 189-198.	1.3	3
59	â€œTell Your Dayâ€• Developing Multimodal Interaction Applications for Children with ASD. Lecture Notes in Computer Science, 2017, , 525-544.	1.3	3
60	Production and Modeling of the European Portuguese Palatal Lateral. Lecture Notes in Computer Science, 2012, , 318-328.	1.3	3
61	Effective natural interaction with our sensorized smart homes. , 2020, , 185-222.		3
62	Quantitative Analysis of /l/ Production from RT-MRI: First Results. Lecture Notes in Computer Science, 2014, , 30-39.	1.3	3
63	Critical Articulators Identification from RT-MRI of the Vocal Tract. , 0, , .		3
64	Emotionally-Aware Multimodal Interfaces. , 2018, , .		2
65	Inner Speech in Portuguese: Acquisition Methods, Database and First Results. Lecture Notes in Computer Science, 2018, , 438-447.	1.3	2
66	Contribute for an Ontology for Smart Homes and their Conversational Assistants. , 2019, , .		2
67	Data-Driven Critical Tract Variable Determination for European Portuguese. Information (Switzerland), 2020, 11, 491.	2.9	2
68	Eppur si muove: Formant Dynamics is Relevant for The Study of Speech Aging Effects. , 2021, , .		2
69	Designing and Deploying an Interaction Modality for Articulatory-Based Audiovisual Speech Synthesis. Lecture Notes in Computer Science, 2021, , 36-49.	1.3	2
70	Multi-Device Applications Using the Multimodal Architecture. , 2017, , 367-383.		2
71	Medical Information Extraction in European Portuguese. , 2013, , 607-626.		2
72	Segmentation and Analysis of Vocal Tract from MidSagittal Real-Time MRI. Lecture Notes in Computer Science, 2013, , 459-466.	1.3	2

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73	Towards Automatic Determination of Critical Gestures for European Portuguese Sounds. Lecture Notes in Computer Science, 2020, , 3-12.	1.3	2
74	Exploring Critical Articulator Identification from 50Hz RT-MRI Data of the Vocal Tract. , 0, , .		2
75	A robot with natural interaction capabilities. , 0, , .		1
76	Voice quality of psychological origin. Clinical Linguistics and Phonetics, 2008, 22, 906-916.	0.9	1
77	Evaluation of a dialogue manager for a mobile robot. , 2013, , .		1
78	A framework for analysis of the upper airway from real-time MRI sequences. Proceedings of SPIE, 2013, , .	0.8	1
79	Services & Products Gamified Design (SPGD). , 2016, , .		1
80	Effects of language experience on the discrimination of the Portuguese palatal lateral by nonnative listeners. Clinical Linguistics and Phonetics, 2016, 30, 1-15.	0.9	1
81	Functional Mapping of Inner Speech Areas: A Preliminary Study with Portuguese Speakers. Lecture Notes in Computer Science, 2018, , 166-176.	1.3	1
82	Acoustic Analysis of European Portuguese Oral Vowels Produced by Children. Communications in Computer and Information Science, 2012, , 129-138.	0.5	1
83	Cloud Computing Enhanced Service Development Architecture for the Living Usability Lab. Communications in Computer and Information Science, 2011, , 289-296.	0.5	1
84	Polygonal Mesh Comparison Applied to the Study of European Portuguese Sounds. International Journal of Creative Interfaces and Computer Graphics, 2012, 3, 28-44.	0.1	1
85	Parametric Asynchronous Eye Diagram for Optical Performance Monitoring. , 2012, , .		1
86	Towards E-Government Information Platforms for Enterprise 2.0. Advances in Business Information Systems and Analytics Book Series, 2014, , 644-664.	0.4	1
87	Giving Voices to Multimodal Applications. Lecture Notes in Computer Science, 2015, , 273-283.	1.3	1
88	Interactive, Multi-device Visualization Supported by a Multimodal Interaction Framework: Proof of Concept. Lecture Notes in Computer Science, 2016, , 279-289.	1.3	1
89	Silent Speech Interaction for Ambient Assisted Living Scenarios. Lecture Notes in Computer Science, 2017, , 369-387.	1.3	1
90	Contributions to a Quantitative Unsupervised Processing and Analysis of Tongue in Ultrasound Images. Lecture Notes in Computer Science, 2020, , 170-181.	1.3	1

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91	Enabling Multimodal Emotionally-Aware Ecosystems Through a W3C-Aligned Generic Interaction Modality. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 140-152.	0.3	1
92	Exploring the Age Effects on European Portuguese Vowel Production: An Ultrasound Study. Applied Sciences (Switzerland), 2022, 12, 1396.	2.5	1
93	SSI Modalities II: Articulation and Its Consequences. Springer Briefs in Electrical and Computer Engineering, 2017, , 31-50.	0.5	0
94	SSI Modalities I: Behind the Scenesâ€"From the Brain to the Muscles. Springer Briefs in Electrical and Computer Engineering, 2017, , 15-30.	0.5	0
95	Editorial for Special Issue â€œIberSPEECH2018: Speech and Language Technologies for Iberian Languagesâ€. Applied Sciences (Switzerland), 2020, 10, 384.	2.5	0
96	Promoting Social Skills in Technology-Mediated Communication Contexts: First Results on Adopting the Social Compass Curriculum. Lecture Notes in Networks and Systems, 2021, , 469-476.	0.7	0
97	Prosodic Changes with Age: A Longitudinal Study on a Famous European Portuguese Native Speaker. Lecture Notes in Computer Science, 2021, , 726-736.	1.3	0
98	Assessing Velar Gestures Timing in European Portuguese Nasal Vowels with RT-MRI Data. Lecture Notes in Computer Science, 2021, , 26-35.	1.3	0
99	Para a melhoria da sÃntese articulatÃ³ria das vogais nasais do portuguÃªs europeu: estudo da duraÃ§Ã£o e de caracterÃsticas relacionadas com a fonte glotal. Revista De Estudos Da Linguagem, 2004, 12, .	0.1	0
100	Cloud Computing Enhanced Service Development Architecture for the Living Usability Lab. , 2013, , 33-53.		0
101	Towards E-Government Information Platforms for Enterprise 2.0. , 2014, , 906-925.		0
102	Combining Modalities: Multimodal SSI. Springer Briefs in Electrical and Computer Engineering, 2017, , 51-71.	0.5	0
103	Exploring Advances in Real-time MRI for Speech Production Studies of European Portuguese. , 0, , .		0
104	A Smart Home For All Supported By User And Context Adaptation. , 2020, , .		0
105	Named Entity Extractors for New Domains by Transfer Learning with Automatically Annotated Data. Lecture Notes in Computer Science, 2022, , 288-298.	1.3	0
106	Data-Driven Analysis of European Portuguese Nasal Vowel Dynamics in Bilabial Contexts. Applied Sciences (Switzerland), 2022, 12, 4601.	2.5	0