

# Saturnino Luz

## List of Publications by Year in descending order

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Version: 2024-02-01

137  
papers

1,535  
citations

535685

17  
h-index

536525

29  
g-index

146  
all docs

146  
docs citations

146  
times ranked

1378  
citing authors

#	ARTICLE	IF	CITATIONS
1	Remote data collection speech analysis and prediction of the identification of Alzheimer's disease biomarkers in people at risk for Alzheimer's disease dementia: the Speech on the Phone Assessment (SPeAk) prospective observational study protocol. <i>BMJ Open</i> , 2022, 12, e052250.	0.8	7
2	Corpus Summarization and Exploration using Multi-Mosaics. , 2022, , .		0
3	Map-based Interfaces and Interactions. , 2022, , .		1
4	Emotion recognition in low-resource settings: An evaluation of automatic feature selection methods. <i>Computer Speech and Language</i> , 2021, 65, 101119.	2.9	29
5	Analysis and Classification of Word Co-Occurrence Networks From Alzheimer's Patients and Controls. <i>Frontiers in Computer Science</i> , 2021, 3, .	1.7	7
6	Study protocol and design for the assessment of paediatric pneumonia from X-ray images using deep learning. <i>BMJ Open</i> , 2021, 11, e044461.	0.8	4
7	Epistemologies of evidence-based medicine: a plea for corpus-based conceptual research in the medical humanities. <i>Medicine, Health Care and Philosophy</i> , 2021, 24, 621-632.	0.9	5
8	Temporal Integration of Text Transcripts and Acoustic Features for Alzheimer's Diagnosis Based on Spontaneous Speech. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 642647.	1.7	19
9	Editorial: Alzheimer's Dementia Recognition through Spontaneous Speech. <i>Frontiers in Computer Science</i> , 2021, 3, .	1.7	23
10	User Identity Protection in Automatic Emotion Recognition through Disguised Speech. <i>AI</i> , 2021, 2, 636-649.	2.1	1
11	COVID-19: Affect recognition through voice analysis during the winter lockdown in Scotland. , 2021, 2021, 2326-2329.		1
12	Automated classification of primary care patient safety incident report content and severity using supervised machine learning (ML) approaches. <i>Health Informatics Journal</i> , 2020, 26, 3123-3139.	1.1	28
13	An Assessment of Paralinguistic Acoustic Features for Detection of Alzheimer's Dementia in Spontaneous Speech. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2020, 14, 272-281.	7.3	95
14	Predicting Mini-Mental Status Examination Scores through Paralinguistic Acoustic Features of Spontaneous Speech. , 2020, 2020, 5548-5552.		5
15	Cross-corpus Feature Learning between Spontaneous Monologue and Dialogue for Automatic Classification of Alzheimer's Dementia Speech. , 2020, 2020, 5851-5855.		3
16	Pipeline comparisons of convolutional neural networks for structural connectomes: predicting sex across 3,152 participants. , 2020, 2020, 1692-1695.		4
17	Artificial Intelligence, Speech, and Language Processing Approaches to Monitoring Alzheimer's Disease: A Systematic Review. <i>Journal of Alzheimer's Disease</i> , 2020, 78, 1547-1574.	1.2	106
18	A Network-Based Embedding Method for Drug-Target Interaction Prediction. , 2020, 2020, 5304-5307.		4

#	ARTICLE	IF	CITATIONS
19	The electronic person specific outcome measure (ePSOM) programme: Overview and survey results. <i>Alzheimer's and Dementia</i> , 2020, 16, e040097.	0.4	0
20	An inâ€depth analysis of a large national survey on personâ€specific outcome measures (EPSOMS). <i>Alzheimer's and Dementia</i> , 2020, 16, e041871.	0.4	0
21	The electronic personâ€specific outcome measure (ePSOM) development programme: Overall approach. <i>Alzheimer's and Dementia</i> , 2020, 16, e041991.	0.4	0
22	An Active Data Representation of Videos for Automatic Scoring of Oral Presentation Delivery Skills and Feedback Generation. <i>Frontiers in Computer Science</i> , 2020, 2, .	1.7	7
23	Automatic Transformation of a Video Using Multimodal Information for an Engaging Exploration Experience. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3056.	1.3	5
24	A Super-Bagging Method for Volleyball Action Recognition Using Wearable Sensors. <i>Multimodal Technologies and Interaction</i> , 2020, 4, 33.	1.7	17
25	Methods and visualization tools for the analysis of medical, political and scientific concepts in Genealogies of Knowledge. <i>Palgrave Communications</i> , 2020, 6, .	4.7	7
26	Towards Automatic Modeling of Volleyball Playersâ€™ Behavior for Analysis, Feedback, and Hybrid Training. <i>Journal for the Measurement of Physical Behaviour</i> , 2020, 3, 323-330.	0.5	3
27	Community health worker-based mobile health (mHealth) approaches for improving management and caregiver knowledge of common childhood infections: A systematic review. <i>Journal of Global Health</i> , 2020, 10, 020438.	1.2	9
28	TeMoCo-Doc. , 2020, , .		0
29	Action Modelling for Interaction and Analysis in Smart Sports and Physical Education. , 2020, , .		1
30	Automatic Recognition of Low-Back Chronic Pain Level and Protective Movement Behaviour using Physical and Muscle Activity Information. , 2020, , .		7
31	Sentimentos do Estudante de Medicina quando em Contato com a PrÃ¡tica. <i>Revista Brasileira De Educacao Medica</i> , 2019, 43, 13-22.	0.0	9
32	Attitude Recognition Using Multi-resolution Cochleagram Features. , 2019, , .		11
33	TeMoCo: A Visualization Tool for Temporal Analysis of Multi-party Dialogues in Clinical Settings. , 2019, , .		4
34	Evaluation of Dominant and Non-Dominant Hand Movements For Volleyball Action Modelling. , 2019, , .		3
35	A systematic review of natural language processing for classification tasks in the field of incident reporting and adverse event analysis. <i>International Journal of Medical Informatics</i> , 2019, 132, 103971.	1.6	77
36	Using artificial intelligence to assess cliniciansâ€™ communication skills. <i>BMJ: British Medical Journal</i> , 2019, 364, l161.	2.4	36

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37	Protocol for a conversation-based analysis study: PREVENT-ED investigates dialogue features that may help predict dementia onset in later life. <i>BMJ Open</i> , 2019, 9, e026254.	0.8	18
38	What matters to people with memory problems, healthy volunteers and health and social care professionals in the context of developing treatment to prevent Alzheimer's dementia? A qualitative study. <i>Health Expectations</i> , 2019, 22, 504-517.	1.1	15
39	The successful uptake and sustainability of rapid infectious disease and antimicrobial resistance point-of-care testing requires a complex "mix-and-match" implementation package. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2019, 38, 1015-1022.	1.3	36
40	Extracting Audio-Visual Features for Emotion Recognition Through Active Feature Selection. , 2019, , .		1
41	Application of Big Data and Artificial Intelligence technologies to dementia prevention research: an opportunity for low-and-middle-income countries. <i>Journal of Global Health</i> , 2019, 9, 020322.	1.2	8
42	Tackling dementia globally: the Global Dementia Prevention Program (GloDePP) collaboration. <i>Journal of Global Health</i> , 2019, 9, 020103.	1.2	5
43	Analysing patterns of right brain-hemisphere activity prior to speech articulation for identification of system-directed speech. <i>Speech Communication</i> , 2019, 107, 18-25.	1.6	2
44	A comparison of linear and mosaic diagrams for set visualization. <i>Information Visualization</i> , 2019, 18, 297-310.	1.2	8
45	A Searching and Automatic Video Tagging Tool for Events of Interest during Volleyball Training Sessions. , 2019, , .		4
46	Participant outcomes and preferences in Alzheimer's disease clinical trials: The electronic Person-specific Outcome Measure (ePSOM) development program. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2018, 4, 694-702.	1.8	10
47	Setting research priorities for global respiratory medicine within the National Institute for Health Research (NIHR) Global Health Research Unit in Respiratory Health (RESPIRE). <i>Journal of Global Health</i> , 2018, 8, 0201314.	1.2	3
48	SAAMEAT. , 2018, , .		4
49	An approach for exploring a video via multimodal feature extraction and user interactions. <i>Journal on Multimodal User Interfaces</i> , 2018, 12, 285-296.	2.0	6
50	COMFRE. , 2018, , .		2
51	On-Talk and Off-Talk Detection: A Discrete Wavelet Transform Analysis of Electroencephalogram. , 2018, , .		2
52	Perception changes with and without a video channel: A study from a speech-to-speech, machine translation mediated map task. , 2017, , .		2
53	Longitudinal Monitoring and Detection of Alzheimer's Type Dementia from Spontaneous Speech Data. , 2017, , .		28
54	Ecoepidemiological Simulation as a Serious Game Engine Module. , 2017, , .		0

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55	Temporal Visualization of Energy Consumption Loads Using Time-Tone. , 2017, , .		3
56	Trust, Ethics and Access: Challenges in Studying the Work of Multi-disciplinary Medical Teams. , 2017, , .		0
57	Assessment of Mental Workload: A Comparison of Machine Learning Methods and Subjective Assessment Techniques. Communications in Computer and Information Science, 2017, , 30-50.	0.4	43
58	An Alternative Approach to Exploring a Video. Lecture Notes in Computer Science, 2017, , 109-118.	1.0	2
59	Time-load. , 2016, , .		0
60	Presentation quality assessment using acoustic information and hand movements. , 2016, , .		6
61	Active speaker detection in human machine multiparty dialogue using visual prosody information. , 2016, , .		9
62	Attitude recognition of video bloggers using audio-visual descriptors. , 2016, , .		3
63	Using a serious game to promote community-based awareness and prevention of neglected tropical diseases. Entertainment Computing, 2016, 15, 43-55.	1.8	22
64	nu-view. , 2016, , .		8
65	A Speech-to-Speech, Machine Translation Mediated Map Task: An Exploratory Study. Lecture Notes in Computer Science, 2016, , 53-64.	1.0	2
66	Analyzing Multimodality of Video for User Engagement Assessment. , 2015, , .		3
67	High level visual and paralinguistic features extraction and their correlation with user engagement. , 2015, , .		7
68	A Serious Game for Improving Community-Based Prevention of Neglected Diseases. , 2015, , .		1
69	Clinical Training and Teamwork: Learning and Feedback. , 2015, , .		1
70	Wizard of Oz Experimentation for Language Technology Applications: Challenges and Tools. Interacting With Computers, 2015, 27, 592-615.	1.0	16
71	Medical teamwork, collaboration and patient-centred care. Behaviour and Information Technology, 2015, 34, 543-547.	2.5	1
72	Disease surveillance and patient care in remote regions: an exploratory study of collaboration among health-care professionals in Amazonia. Behaviour and Information Technology, 2015, 34, 548-565.	2.5	9

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73	Readability of a background map layer under a semi-transparent foreground layer. , 2014, , .		11
74	Expanding the HCI Agenda in Healthcare. , 2014, , .		0
75	Designing a serious game for community-based disease prevention in the Amazon. , 2014, , .		1
76	A graph based abstraction of textual concordances and two renderings for their interactive visualisation. , 2014, , .		13
77	Fostering smart energy applications through advanced visual interfaces. , 2014, , .		1
78	MLA'14. , 2014, , .		18
79	In-class use of the nu-case mobile telehealth system in a medical school. , 2013, , .		1
80	Developing a framework for evaluation of technology use at multidisciplinary meetings in healthcare. , 2013, , .		2
81	Can time dependencies and ensemble classification improve content-free dialogue segmentation?. , 2013, , .		0
82	â€œDo no harmâ€ Fortifying MDT collaboration in changing technological times. International Journal of Medical Informatics, 2013, 82, 613-625.	1.6	13
83	Automatic identification of experts and performance prediction in the multimodal math data corpus through analysis of speech interaction. , 2013, , .		18
84	Shared decision making needs a communication record. , 2013, , .		13
85	The nonverbal structure of patient case discussions in multidisciplinary medical team meetings. ACM Transactions on Information Systems, 2012, 30, 1-24.	3.8	15
86	Collaboration and multimedia. , 2012, , .		1
87	Mobile support for diagnosis of communicable diseases in remote locations. , 2012, , .		10
88	Supporting collaboration among healthcare professionals and disease surveillance in remote areas. , 2012, , .		6
89	Time-based Geographical Mapping of Communicable Diseases. , 2012, , .		14
90	Cross-cultural assessment of automatically generated multimodal referring expressions in a virtual world. International Journal of Human Computer Studies, 2012, 70, 611-629.	3.7	5

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91	Collaboration in Translation: The Impact of Increased Reach on Cross-organisational Work. Computer Supported Cooperative Work, 2012, 21, 525-554.	1.9	8
92	On record keeping at multidisciplinary team meetings. , 2011, , .		5
93	Comparing Static Gantt and Mosaic Charts for Visualization of Task Schedules. , 2011, , .		7
94	Information Sharing at Multidisciplinary Medical Team Meetings. Group Decision and Negotiation, 2011, 20, 437-464.	2.0	23
95	Translation practice in the workplace: contextual analysis and implications for machine translation. Machine Translation, 2011, 25, 35-52.	1.3	22
96	Assessing support requirements for multidisciplinary team meetings. , 2010, , .		6
97	WebWOZ. , 2010, , .		13
98	Supporting Collaborative Transcription of Recorded Speech with a 3D Game Interface. Lecture Notes in Computer Science, 2010, , 394-401.	1.0	5
99	Do HCI and NLP interact?. , 2009, , .		2
100	Achieving Diagnosis by Consensus. Computer Supported Cooperative Work, 2009, 18, 357-392.	1.9	49
101	Chronos: A Tool for Interactive Scheduling and Visualisation of Task Hierarchies. , 2009, , .		8
102	Assimilating information and offering a medical opinion in remote and co-located meetings. , 2009, , .		3
103	Evaluating an Algorithm for the Generation of Multimodal Referring Expressions in a Virtual World: A Pilot Study. Lecture Notes in Computer Science, 2009, , 181-187.	1.0	2
104	Locating case discussion segments in recorded medical team meetings. , 2009, , .		12
105	Classification of patient case discussions through analysis of vocalisation graphs. , 2009, , .		3
106	Uncovering non-verbal semantic aspects of collaborative meetings: iterative design and evaluation of the Meeting Miner. Signal, Image and Video Processing, 2008, 2, 337-353.	1.7	1
107	An Adaptive Pre-filtering Technique for Error-Reduction Sampling in Active Learning. , 2008, , .		3
108	Ontologies in Interactive Systems - ONTORACT'08 International Workshop. , 2008, , .		1

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109	Automatic content segmentation of audio recordings at multidisciplinary medical team meetings. , 2008, , .		2
110	Taking Lessons from Teleconference to Improve Same Time, Same Place Interaction. , 2008, , .		4
111	Interface design strategies for computer-assisted speech transcription. , 2008, , .		6
112	A system for dynamic 3D visualisation of speech recognition paths. , 2008, , .		2
113	Interactive visualisation techniques for dynamic speech transcription, correction and training. , 2008, , .		3
114	Visualisation of Meeting Records on Mobile Devices. , 2008, , 1049-1067.		2
115	Differentiating between novice and expert surgeons based on errors derived from task analysis. , 2008, , .		2
116	Visualisation of Parallel Data Streams with Temporal Mosaics. Proceedings / International Conference on Information Visualisation, 2007, , .	0.0	14
117	Dimensionality reduction for active learning with nearest neighbour classifier in text categorisation problems. , 2007, , .		12
118	Multidisciplinary team meetings and their impact on workflow in radiology and pathology departments. BMC Medicine, 2007, 5, 15.	2.3	78
119	Multidisciplinary Medical Team Meetings: An Analysis of Collaborative Working with Special Attention to Timing and Teleconferencing. Computer Supported Cooperative Work, 2007, 15, 501-535.	1.9	55
120	Meeting browsing. Multimedia Systems, 2007, 12, 439-457.	3.0	25
121	An analytical evaluation of search by content and interaction patterns on multimodal meeting records. Multimedia Systems, 2007, 13, 89-102.	3.0	12
122	An analysis of the effectiveness of temporal mapping and speech recognition for content-based multimedia indexing. , 2006, , .		1
123	Navigating Multimodal Meeting Recordings with the Meeting Miner. Lecture Notes in Computer Science, 2006, , 356-367.	1.0	10
124	Exploring the Structure of Media Stream Interactions for Multimedia Browsing. Lecture Notes in Computer Science, 2006, , 79-90.	1.0	2
125	Supporting Remote Collaboration Through Structured Activity Logging. Lecture Notes in Computer Science, 2005, , 1096-1107.	1.0	5
126	A mobile system for non-linear access to time-based data. , 2004, , .		13



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127	A mobile tool for browsing recorded collaborative meeting contents. , 2003, , .		1
128	A Tool for Interactive Advice on the Use of Speech in Multimodal Systems. , 2001, 29, 129-137.		2
129	Affect Recognition Through Scalogram and Multi-Resolution Cochleagram Features. , 0, , .		1
130	Speech Rate Comparison When Talking to a System and Talking to a Human: A Study from a Speech-to-Speech, Machine Translation Mediated Map Task. , 0, , .		1
131	Visual, Laughter, Applause and Spoken Expression Features for Predicting Engagement Within TED Talks. , 0, , .		5
132	Alzheimerâ€™s Dementia Recognition Through Spontaneous Speech: The ADReSS Challenge. , 0, , .		89
133	The relevance of timing, pauses and overlaps in dialogues: detecting topic changes in scenario based meetings. , 0, , .		8
134	Talking to a system and oneself: A study from a speech-to-speech, machine translation mediated map task. , 0, , .		6
135	Talking to a System and Talking to a Human: A Study from a Speech-to-Speech, Machine Translation Mediated Map Task. , 0, , .		3
136	Improving Response Time of Active Speaker Detection Using Visual Prosody Information Prior to Articulation. , 0, , .		2
137	An Active Feature Transformation Method for Attitude Recognition of Video Bloggers. , 0, , .		3