

# Saturnino Luz

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

115  
papers

829  
citations

14  
h-index

23  
g-index

146  
ext. papers

1,153  
ext. citations

2.6  
avg, IF

4.86  
L-index

#	Paper	IF	Citations
115	Multidisciplinary team meetings and their impact on workflow in radiology and pathology departments. <i>BMC Medicine</i> , <b>2007</b> , 5, 15	11.4	63
114	Achieving Diagnosis by Consensus. <i>Computer Supported Cooperative Work</i> , <b>2009</b> , 18, 357-392	2.4	44
113	Multidisciplinary Medical Team Meetings: An Analysis of Collaborative Working with Special Attention to Timing and Teleconferencing. <i>Computer Supported Cooperative Work</i> , <b>2007</b> , 15, 501-535	2.4	44
112	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> , <b>2019</b> , 132, 103971	5.3	37
111	Alzheimer's Dementia Recognition Through Spontaneous Speech: The ADReSS Challenge		37
110	Assessment of Mental Workload: A Comparison of Machine Learning Methods and Subjective Assessment Techniques. <i>Communications in Computer and Information Science</i> , <b>2017</b> , 30-50	0.3	32
109	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> , <b>2020</b> , 14, 272-281	7.5	32
108	Artificial Intelligence, Speech, and Language Processing Approaches to Monitoring Alzheimer's Disease: A Systematic Review. <i>Journal of Alzheimer's Disease</i> , <b>2020</b> , 78, 1547-1574	4.3	26
107	Using artificial intelligence to assess clinicians' communication skills. <i>BMJ, The</i> , <b>2019</b> , 364, l161	5.9	23
106	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> , <b>2019</b> , 38, 1015-1022	5.3	23
105	Translation practice in the workplace: contextual analysis and implications for machine translation. <i>Machine Translation</i> , <b>2011</b> , 25, 35-52	1.1	19
104	Meeting browsing. <i>Multimedia Systems</i> , <b>2007</b> , 12, 439-457	2.2	18
103	Information Sharing at Multidisciplinary Medical Team Meetings. <i>Group Decision and Negotiation</i> , <b>2011</b> , 20, 437-464	2.5	16
102	Using a serious game to promote community-based awareness and prevention of neglected tropical diseases. <i>Entertainment Computing</i> , <b>2016</b> , 15, 43-55	1.9	14
101	Automatic identification of experts and performance prediction in the multimodal math data corpus through analysis of speech interaction <b>2013</b> ,		14
100	Wizard of Oz Experimentation for Language Technology Applications: Challenges and Tools. <i>Interacting With Computers</i> , <b>2015</b> , 27, 592-615	1.6	13
99	Longitudinal Monitoring and Detection of Alzheimer's Type Dementia from Spontaneous Speech Data <b>2017</b> ,		13

98	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> , <b>2019</b> , 9, e026254	3	11
97	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> , <b>2019</b> , 22, 504-517	3.7	11
96	Shared decision making needs a communication record <b>2013</b> ,		10
95	The nonverbal structure of patient case discussions in multidisciplinary medical team meetings. <i>ACM Transactions on Information Systems</i> , <b>2012</b> , 30, 1-24	4.8	10
94	Visualisation of Parallel Data Streams with Temporal Mosaics. <i>Proceedings / International Conference on Information Visualisation</i> , <b>2007</b> ,		10
93	Automated classification of primary care patient safety incident report content and severity using supervised machine learning (ML) approaches. <i>Health Informatics Journal</i> , <b>2020</b> , 26, 3123-3139	3	10
92	"Do no harm": fortifying MDT collaboration in changing technological times. <i>International Journal of Medical Informatics</i> , <b>2013</b> , 82, 613-25	5.3	9
91	MLA'14 <b>2014</b> ,		9
90	WebWOZ <b>2010</b> ,		9
89	Dimensionality reduction for active learning with nearest neighbour classifier in text categorisation problems <b>2007</b> ,		9
88	A mobile system for non-linear access to time-based data <b>2004</b> ,		9
87	A Super-Bagging Method for Volleyball Action Recognition Using Wearable Sensors. <i>Multimodal Technologies and Interaction</i> , <b>2020</b> , 4, 33	1.7	8
86	A graph based abstraction of textual concordances and two renderings for their interactive visualisation <b>2014</b> ,		8
85	Time-based Geographical Mapping of Communicable Diseases <b>2012</b> ,		8
84	An analytical evaluation of search by content and interaction patterns on multimodal meeting records. <i>Multimedia Systems</i> , <b>2007</b> , 13, 89-102	2.2	8
83	Navigating Multimodal Meeting Recordings with the Meeting Miner. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 356-367	0.9	8
82	Collaboration in Translation: The Impact of Increased Reach on Cross-organisational Work. <i>Computer Supported Cooperative Work</i> , <b>2012</b> , 21, 525-554	2.4	7
81	Locating case discussion segments in recorded medical team meetings <b>2009</b> ,		7

80	Attitude Recognition Using Multi-resolution Cochleagram Features <b>2019</b> ,		6
79	Readability of a background map layer under a semi-transparent foreground layer <b>2014</b> ,		6
78	Supporting collaboration among healthcare professionals and disease surveillance in remote areas <b>2012</b> ,		6
77	A comparison of linear and mosaic diagrams for set visualization. <i>Information Visualization</i> , <b>2019</b> , 18, 297-310	2.4	6
76	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> , <b>2018</b> , 4, 694-702	6	6
75	Disease surveillance and patient care in remote regions: an exploratory study of collaboration among health-care professionals in Amazonia. <i>Behaviour and Information Technology</i> , <b>2015</b> , 34, 548-565	2.4	5
74	Active speaker detection in human machine multiparty dialogue using visual prosody information <b>2016</b> ,		5
73	Sentimentos do Estudante de Medicina quando em Contato com a Prática. <i>Revista Brasileira De Educacao Medica</i> , <b>2019</b> , 43, 13-22	0.3	5
72	Assessing support requirements for multidisciplinary team meetings <b>2010</b> ,		5
71	Comparing Static Gantt and Mosaic Charts for Visualization of Task Schedules <b>2011</b> ,		5
70	Chronos: A Tool for Interactive Scheduling and Visualisation of Task Hierarchies <b>2009</b> ,		5
69	Presentation quality assessment using acoustic information and hand movements <b>2016</b> ,		5
68	Emotion recognition in low-resource settings: An evaluation of automatic feature selection methods. <i>Computer Speech and Language</i> , <b>2021</b> , 65, 101119	2.8	5
67	Detecting cognitive decline using speech only: The ADReSSO Challenge		5
66	On record keeping at multidisciplinary team meetings <b>2011</b> ,		4
65	Mobile support for diagnosis of communicable diseases in remote locations <b>2012</b> ,		4
64	Taking Lessons from Teleconference to Improve Same Time, Same Place Interaction <b>2008</b> ,		4
63	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> , <b>2020</b> , 10, 020438	4.3	4

62	Methods and visualization tools for the analysis of medical, political and scientific concepts in Genealogies of Knowledge. <i>Palgrave Communications</i> , <b>2020</b> , 6,	5-3	4
61	The relevance of timing, pauses and overlaps in dialogues: detecting topic changes in scenario based meetings		4
60	Temporal Integration of Text Transcripts and Acoustic Features for Alzheimer's Diagnosis Based on Spontaneous Speech. <i>Frontiers in Aging Neuroscience</i> , <b>2021</b> , 13, 642647	5-3	4
59	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> , <b>2019</b> , 9, 020322	4-3	4
58	An Active Data Representation of Videos for Automatic Scoring of Oral Presentation Delivery Skills and Feedback Generation. <i>Frontiers in Computer Science</i> , <b>2020</b> , 2,	3-4	3
57	nu-view <b>2016</b> ,		3
56	Assimilating information and offering a medical opinion in remote and co-located meetings <b>2009</b> ,		3
55	Interface design strategies for computer-assisted speech transcription <b>2008</b> ,		3
54	Automatic Recognition of Low-Back Chronic Pain Level and Protective Movement Behaviour using Physical and Muscle Activity Information <b>2020</b> ,		3
53	Classification of patient case discussions through analysis of vocalisation graphs <b>2009</b> ,		3
52	Supporting Remote Collaboration Through Structured Activity Logging. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 1096-1107	0-9	3
51	An Active Feature Transformation Method for Attitude Recognition of Video Bloggers		3
50	Analysis and Classification of Word Co-Occurrence Networks From Alzheimer's Patients and Controls. <i>Frontiers in Computer Science</i> , <b>2021</b> , 3,	3-4	3
49	SAAMEAT <b>2018</b> ,		3
48	Attitude recognition of video bloggers using audio-visual descriptors <b>2016</b> ,		2
47	Predicting Cognitive Load Levels from Speech Data. <i>Smart Innovation, Systems and Technologies</i> , <b>2016</b> , 255-263	0-5	2
46	An approach for exploring a video via multimodal feature extraction and user interactions. <i>Journal on Multimodal User Interfaces</i> , <b>2018</b> , 12, 285-296	1-7	2
45	COMFRE <b>2018</b> ,		2

44	Evaluation of Dominant and Non-Dominant Hand Movements For Volleyball Action Modelling <b>2019</b> ,		2
43	Temporal Visualization of Energy Consumption Loads Using Time-Tone <b>2017</b> ,		2
42	Cross-cultural assessment of automatically generated multimodal referring expressions in a virtual world. <i>International Journal of Human Computer Studies</i> , <b>2012</b> , 70, 611-629	4.6	2
41	Supporting Collaborative Transcription of Recorded Speech with a 3D Game Interface. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 394-401	0.9	2
40	A Tool for Interactive Advice on the Use of Speech in Multimodal Systems <b>2001</b> , 29, 129-137		2
39	A Searching and Automatic Video Tagging Tool for Events of Interest during Volleyball Training Sessions <b>2019</b> ,		2
38	Visual, Laughter, Applause and Spoken Expression Features for Predicting Engagement Within TED Talks		2
37	Exploring the Structure of Media Stream Interactions for Multimedia Browsing. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 79-90	0.9	2
36	Towards Automatic Modeling of Volleyball Players Behavior for Analysis, Feedback, and Hybrid Training. <i>Journal for the Measurement of Physical Behaviour</i> , <b>2020</b> , 3, 323-330	2.3	2
35	An Alternative Approach to Exploring a Video. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 109-118	0.9	2
34	Evaluating an Algorithm for the Generation of Multimodal Referring Expressions in a Virtual World: A Pilot Study. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 181-187	0.9	2
33	Talking to a system and oneself: A study from a speech-to-speech, machine translation mediated map task		2
32	Study protocol and design for the assessment of paediatric pneumonia from X-ray images using deep learning. <i>BMJ Open</i> , <b>2021</b> , 11, e044461	3	2
31	In-class use of the nu-case mobile telehealth system in a medical school <b>2013</b> ,		1
30	Perception changes with and without a video channel: A study from a speech-to-speech, machine translation mediated map task <b>2017</b> ,		1
29	Designing a serious game for community-based disease prevention in the Amazon <b>2014</b> ,		1
28	Do HCI and NLP interact? <b>2009</b> ,		1
27	Collaboration and multimedia <b>2012</b> ,		1

26	Ontologies in Interactive Systems - ONTORACT'08 International Workshop <b>2008</b> ,		1
25	A system for dynamic 3D visualisation of speech recognition paths <b>2008</b> ,		1
24	Uncovering non-verbal semantic aspects of collaborative meetings: iterative design and evaluation of the Meeting Miner. <i>Signal, Image and Video Processing</i> , <b>2008</b> , 2, 337-353	1.6	1
23	An analysis of the effectiveness of temporal mapping and speech recognition for content-based multimedia indexing <b>2006</b> ,		1
22	On-Talk and Off-Talk Detection: A Discrete Wavelet Transform Analysis of Electroencephalogram <b>2018</b> ,		1
21	Visualisation of Meeting Records on Mobile Devices <b>2008</b> , 1049-1067		1
20	A Speech-to-Speech, Machine Translation Mediated Map Task: An Exploratory Study. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 53-64	0.9	1
19	Automatic Meeting Participant Role Detection by Dialogue Patterns. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 314-326	0.9	1
18	Predicting Mini-Mental Status Examination Scores through Paralinguistic Acoustic Features of Spontaneous Speech. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2020</b> , 2020, 5548-5552	0.9	1
17	A Network-Based Embedding Method for Drug-Target Interaction Prediction. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2020</b> , 2020, 5304-5307	0.9	1
16	Extracting Audio-Visual Features for Emotion Recognition Through Active Feature Selection <b>2019</b> ,		1
15	Analysing patterns of right brain-hemisphere activity prior to speech articulation for identification of system-directed speech. <i>Speech Communication</i> , <b>2019</b> , 107, 18-25	2.8	1
14	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> , <b>2018</b> , 8, 0201314	4.3	1
13	Automatic Transformation of a Video Using Multimodal Information for an Engaging Exploration Experience. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 3056	2.6	0
12	Cross-corpus Feature Learning between Spontaneous Monologue and Dialogue for Automatic Classification of Alzheimer's Dementia Speech. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2020</b> , 2020, 5851-5855	0.9	0
11	Pipeline comparisons of convolutional neural networks for structural connectomes: predicting sex across 3,152 participants. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2020</b> , 2020, 1692-1695	0.9	0
10	Epistemologies of evidence-based medicine: a plea for corpus-based conceptual research in the medical humanities. <i>Medicine, Health Care and Philosophy</i> , <b>2021</b> , 24, 621-632	2	0
9	An Informatics-Based Approach for 'Sustainable Management of'Factors Affecting the 'Spread of'Infectious Diseases. <i>Lecture Notes in Computer Science</i> , <b>2022</b> , 47-57	0.9	0

8	The electronic person specific outcome measure (ePSOM) programme: Overview and survey results. <i>Alzheimer's and Dementia</i> , <b>2020</b> , 16, e040097	1.2
7	An in-depth analysis of a large national survey on person-specific outcome measures (EPSOMS). <i>Alzheimer's and Dementia</i> , <b>2020</b> , 16, e041871	1.2
6	The electronic person-specific outcome measure (ePSOM) development programme: Overall approach. <i>Alzheimer's and Dementia</i> , <b>2020</b> , 16, e041991	1.2
5	User Identity Protection in Automatic Emotion Recognition through Disguised Speech. <i>AI</i> , <b>2021</b> , 2, 636-648	3.8
4	Data Collection and Synchronisation: Towards a Multiperspective Multimodal Dialogue System with Metacognitive Abilities. <i>Lecture Notes in Electrical Engineering</i> , <b>2017</b> , 245-256	0.2
3	Word, Syllable and Phoneme Based Metrics Do Not Correlate with Human Performance in ASR-Mediated Tasks. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 392-399	0.9
2	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> , <b>2022</b> , 12, e052250	3
1	COVID-19: Affect recognition through voice analysis during the winter lockdown in Scotland. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2021</b> , 2021, 2326-2329	0.9