

Saturnino Luz

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1643813/publications.pdf>

Version: 2024-02-01

137
papers

1,535
citations

471477

17
h-index

477281

29
g-index

146
all docs

146
docs citations

146
times ranked

1271
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. | 1.9 | 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. | 4.3 | 29 |
| 5 | Analysis and Classification of Word Co-Occurrence Networks From Alzheimer's Patients and Controls. <i>Frontiers in Computer Science</i> , 2021, 3, . | 2.8 | 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. | 1.9 | 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. | 1.8 | 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. | 3.4 | 19 |
| 9 | Editorial: Alzheimer's Dementia Recognition through Spontaneous Speech. <i>Frontiers in Computer Science</i> , 2021, 3, . | 2.8 | 23 |
| 10 | User Identity Protection in Automatic Emotion Recognition through Disguised Speech. <i>AI</i> , 2021, 2, 636-649. | 3.8 | 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. | 2.1 | 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. | 10.8 | 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. | 2.6 | 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. Alzheimer's and Dementia, 2020, 16, e040097. | 0.8 | 0 |
| 20 | An inâ€depth analysis of a large national survey on personâ€specific outcome measures (EPSOMS). Alzheimer's and Dementia, 2020, 16, e041871. | 0.8 | 0 |
| 21 | The electronic personâ€specific outcome measure (ePSOM) development programme: Overall approach. Alzheimer's and Dementia, 2020, 16, e041991. | 0.8 | 0 |
| 22 | An Active Data Representation of Videos for Automatic Scoring of Oral Presentation Delivery Skills and Feedback Generation. Frontiers in Computer Science, 2020, 2, . | 2.8 | 7 |
| 23 | Automatic Transformation of a Video Using Multimodal Information for an Engaging Exploration Experience. Applied Sciences (Switzerland), 2020, 10, 3056. | 2.5 | 5 |
| 24 | A Super-Bagging Method for Volleyball Action Recognition Using Wearable Sensors. Multimodal Technologies and Interaction, 2020, 4, 33. | 2.5 | 17 |
| 25 | Methods and visualization tools for the analysis of medical, political and scientific concepts in Genealogies of Knowledge. Palgrave Communications, 2020, 6, . | 4.7 | 7 |
| 26 | Towards Automatic Modeling of Volleyball Playersâ€™ Behavior for Analysis, Feedback, and Hybrid Training. Journal for the Measurement of Physical Behaviour, 2020, 3, 323-330. | 0.8 | 3 |
| 27 | Community health worker-based mobile health (mHealth) approaches for improving management and caregiver knowledge of common childhood infections: A systematic review. Journal of Global Health, 2020, 10, 020438. | 2.7 | 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 Pr tica. Revista Brasileira De Educacao Medica, 2019, 43, 13-22. | 0.2 | 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. International Journal of Medical Informatics, 2019, 132, 103971. | 3.3 | 77 |
| 36 | Using artificial intelligence to assess cliniciansâ€™ communication skills. BMJ: British Medical Journal, 2019, 364, l161. | 2.3 | 36 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 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. | 1.9 | 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. | 2.6 | 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. | 2.9 | 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. | 2.7 | 8 |
| 42 | Tackling dementia globally: the Global Dementia Prevention Program (GloDePP) collaboration. <i>Journal of Global Health</i> , 2019, 9, 020103. | 2.7 | 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. | 2.8 | 2 |
| 44 | A comparison of linear and mosaic diagrams for set visualization. <i>Information Visualization</i> , 2019, 18, 297-310. | 1.9 | 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. | 3.7 | 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. | 2.7 | 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. | 2.9 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 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. | 0.5 | 43 |
| 58 | An Alternative Approach to Exploring a Video. Lecture Notes in Computer Science, 2017, , 109-118. | 1.3 | 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. | 2.9 | 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. | 1.3 | 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. | 1.5 | 16 |
| 71 | Medical teamwork, collaboration and patient-centred care. Behaviour and Information Technology, 2015, 34, 543-547. | 4.0 | 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. | 4.0 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 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 | “Do no harm”: Fortifying MDT collaboration in changing technological times. International Journal of Medical Informatics, 2013, 82, 613-625. | 3.3 | 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. | 4.9 | 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. | 5.6 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | Collaboration in Translation: The Impact of Increased Reach on Cross-organisational Work. Computer Supported Cooperative Work, 2012, 21, 525-554. | 2.9 | 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. | 3.3 | 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. | 1.3 | 5 |
| 99 | Do HCI and NLP interact?. , 2009, , . | | 2 |
| 100 | Achieving Diagnosis by Consensus. Computer Supported Cooperative Work, 2009, 18, 357-392. | 2.9 | 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. | 1.3 | 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. | 2.7 | 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 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 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. | 5.5 | 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. | 2.9 | 55 |
| 120 | Meeting browsing. Multimedia Systems, 2007, 12, 439-457. | 4.7 | 25 |
| 121 | An analytical evaluation of search by content and interaction patterns on multimodal meeting records. Multimedia Systems, 2007, 13, 89-102. | 4.7 | 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. | 1.3 | 10 |
| 124 | Exploring the Structure of Media Stream Interactions for Multimedia Browsing. Lecture Notes in Computer Science, 2006, , 79-90. | 1.3 | 2 |
| 125 | Supporting Remote Collaboration Through Structured Activity Logging. Lecture Notes in Computer Science, 2005, , 1096-1107. | 1.3 | 5 |
| 126 | A mobile system for non-linear access to time-based data. , 2004, , . | | 13 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|----|-----------|
| 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 |