

# Frank Rudzicz

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2940494/publications.pdf>

Version: 2024-02-01

61  
papers

2,256  
citations

279798

23  
h-index

265206

42  
g-index

67  
all docs

67  
docs citations

67  
times ranked

2206  
citing authors

#	ARTICLE	IF	CITATIONS
1	Linguistic Features Identify Alzheimer's Disease in Narrative Speech. <i>Journal of Alzheimer's Disease</i> , 2015, 49, 407-422.	2.6	439
2	Artificial Intelligence and the Implementation Challenge. <i>Journal of Medical Internet Research</i> , 2019, 21, e13659.	4.3	187
3	The TORGO database of acoustic and articulatory speech from speakers with dysarthria. <i>Language Resources and Evaluation</i> , 2012, 46, 523-541.	2.7	184
4	A survey of word embeddings for clinical text. <i>Journal of Biomedical Informatics: X</i> , 2019, 100, 100057.	4.2	122
5	Evaluation of Deep Learning Models for Identifying Surgical Actions and Measuring Performance. <i>JAMA Network Open</i> , 2020, 3, e201664.	5.9	80
6	Fast incremental LDA feature extraction. <i>Pattern Recognition</i> , 2015, 48, 1999-2012.	8.1	73
7	Articulatory Knowledge in the Recognition of Dysarthric Speech. <i>IEEE Transactions on Audio Speech and Language Processing</i> , 2011, 19, 947-960.	3.2	69
8	BENDR: Using Transformers and a Contrastive Self-Supervised Learning Task to Learn From Massive Amounts of EEG Data. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 653659.	2.0	68
9	Explainable Artificial Intelligence for Safe Intraoperative Decision Support. <i>JAMA Surgery</i> , 2019, 154, 1064.	4.3	67
10	Evaluation of Speech-Based Digital Biomarkers: Review and Recommendations. <i>Digital Biomarkers</i> , 2020, 4, 99-108.	4.4	66
11	Treatment intensity and childhood apraxia of speech. <i>International Journal of Language and Communication Disorders</i> , 2015, 50, 529-546.	1.5	61
12	Speech Interaction with Personal Assistive Robots Supporting Aging at Home for Individuals with Alzheimer's Disease. <i>ACM Transactions on Accessible Computing</i> , 2015, 7, 1-22.	2.4	52
13	Rhetorical structure and Alzheimer's disease. <i>Aphasiology</i> , 2018, 32, 41-60.	2.2	49
14	Characterisation of voice quality of Parkinson's disease using differential phonological posterior features. <i>Computer Speech and Language</i> , 2017, 46, 196-208.	4.3	46
15	Prosody and Semantics Are Separate but Not Separable Channels in the Perception of Emotional Speech: Test for Rating of Emotions in Speech. <i>Journal of Speech, Language, and Hearing Research</i> , 2016, 59, 72-89.	1.6	41
16	Comparing Pre-trained and Feature-Based Models for Prediction of Alzheimer's Disease Based on Speech. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 635945.	3.4	41
17	A Textual Analysis of US Corporate Social Responsibility Reports. <i>Abacus</i> , 2020, 56, 3-34.	1.9	40
18	Feasibility of Using a Smartwatch to Intensively Monitor Patients With Chronic Obstructive Pulmonary Disease: Prospective Cohort Study. <i>JMIR MHealth and UHealth</i> , 2018, 6, e10046.	3.7	40

#	ARTICLE	IF	CITATIONS
19	Thinker invariance: enabling deep neural networks for BCI across more people. <i>Journal of Neural Engineering</i> , 2020, 17, 056008.	3.5	39
20	Adjusting dysarthric speech signals to be more intelligible. <i>Computer Speech and Language</i> , 2013, 27, 1163-1177.	4.3	36
21	Development of a ternary hybrid fNIRS-EEG brain-computer interface based on imagined speech. <i>Brain-Computer Interfaces</i> , 2019, 6, 128-140.	1.8	34
22	WearBreathing. , 2019, 3, 1-22.		31
23	A Conversational Robot for Older Adults with Alzheimer's Disease. <i>ACM Transactions on Human-Robot Interaction</i> , 2020, 9, 1-25.	4.1	30
24	Using articulatory likelihoods in the recognition of dysarthric speech. <i>Speech Communication</i> , 2012, 54, 430-444.	2.8	29
25	Sentence recognition from articulatory movements for silent speech interfaces. , 2012, , .		27
26	Vector-space topic models for detecting Alzheimer's disease. , 2016, , .		23
27	Four equity considerations for the use of artificial intelligence in public health. <i>Bulletin of the World Health Organization</i> , 2020, 98, 290-292.	3.3	22
28	Automatic detection of expressed emotion in Parkinson's Disease. , 2014, , .		18
29	Talk2Me: Automated linguistic data collection for personal assessment. <i>PLoS ONE</i> , 2019, 14, e0212342.	2.5	18
30	Machine Learning-Based Prediction of Growth in Confirmed COVID-19 Infection Cases in 114 Countries Using Metrics of Nonpharmaceutical Interventions and Cultural Dimensions: Model Development and Validation. <i>Journal of Medical Internet Research</i> , 2021, 23, e26628.	4.3	18
31	Identifying and Avoiding Confusion in Dialogue with People with Alzheimer's Disease. <i>Computational Linguistics</i> , 2017, 43, 377-406.	3.3	17
32	Phonological features in discriminative classification of dysarthric speech. , 2009, , .		16
33	Automatically determining cause of death from verbal autopsy narratives. <i>BMC Medical Informatics and Decision Making</i> , 2019, 19, 127.	3.0	16
34	Vocal Tract Representation in the Recognition of Cerebral Palsied Speech. <i>Journal of Speech, Language, and Hearing Research</i> , 2012, 55, 1190-1207.	1.6	14
35	Coughwatch: Real-World Cough Detection using Smartwatches. , 2021, , .		14
36	The mean shift algorithm and its relation to kernel regression. <i>Information Sciences</i> , 2016, 348, 198-208.	6.9	13

#	ARTICLE	IF	CITATIONS
37	Subject independent identification of breath sounds components using multiple classifiers. , 2014, , .		10
38	Learning multiview embeddings for assessing dementia. , 2018, , .		10
39	Sequential behavior prediction based on hybrid similarity and cross-user activity transfer. Knowledge-Based Systems, 2015, 77, 29-39.	7.1	9
40	Regional brain morphology predicts pain relief in trigeminal neuralgia. NeuroImage: Clinical, 2021, 31, 102706.	2.7	9
41	Using machine learning to predict children's reading comprehension from linguistic features extracted from speech and writing.. Journal of Educational Psychology, 2021, 113, 1088-1106.	2.9	9
42	Using word embeddings to improve the privacy of clinical notes. Journal of the American Medical Informatics Association: JAMIA, 2020, 27, 901-907.	4.4	8
43	Exploring the Privacy-Preserving Properties of Word Embeddings: Algorithmic Validation Study. Journal of Medical Internet Research, 2020, 22, e18055.	4.3	8
44	Modified mean shift algorithm. IET Image Processing, 2018, 12, 2172-2177.	2.5	7
45	Applying discretized articulatory knowledge to dysarthric speech. , 2009, , .		5
46	[TD&P&O15]: LUDWIG: A CONVERSATIONAL ROBOT FOR PEOPLE WITH ALZHEIMER'S. Alzheimer's and Dementia, 2017, 13, P164.	0.8	5
47	Population-based incidence of invasive pneumococcal disease in children and adults in Ontario and British Columbia, 2002-2018: A Canadian Immunization Research Network (CIRN) study. Vaccine, 2021, 39, 7545-7553.	3.8	5
48	Noisy Source Vector Quantization Using Kernel Regression. IEEE Transactions on Communications, 2014, 62, 3825-3834.	7.8	4
49	2D Psychoacoustic modeling of equivalent masking for automatic speech recognition. Signal Processing, 2015, 115, 9-19.	3.7	4
50	Modified Subspace Constrained Mean Shift Algorithm. Journal of Classification, 2021, 38, 27-43.	2.2	4
51	Incremental algorithm for finding principal curves. IET Signal Processing, 2015, 9, 521-528.	1.5	3
52	Principal differential analysis for detection of bilabial closure gestures from articulatory data. Computer Speech and Language, 2016, 36, 294-306.	4.3	3
53	The Effect of Photoperiod on the Mood of Reddit Users. Cyberpsychology, Behavior, and Social Networking, 2017, 20, 238-245.	3.9	2
54	Exploring interface design to support caregivers's needs and feelings of trust in online content. Journal of Rehabilitation and Assistive Technologies Engineering, 2020, 7, 205566832096848.	0.9	2

#	ARTICLE	IF	CITATIONS
55	AutoScribe: Extracting Clinically Pertinent Information from Patient-Clinician Dialogues. <i>Studies in Health Technology and Informatics</i> , 2019, 264, 1512-1513.	0.3	2
56	Random Item Generation Is Affected by Age. <i>Journal of Speech, Language, and Hearing Research</i> , 2016, 59, 1172-1178.	1.6	1
57	P1â€219: Comparing Neuropsychiatric and Language Features in Earlyâ€Onset and Lateâ€Onset Alzheimerâ€™s Disease. <i>Alzheimer's and Dementia</i> , 2016, 12, P490.	0.8	1
58	[P1â€295]: EARLY DETECTION OF COGNITIVE DISORDERS SUCH AS DEMENTIA ON THE BASIS OF SPEECH ANALYSIS: A CROSSâ€LINGUISTIC COMPARISON OF SPEECH FEATURES. <i>Alzheimer's and Dementia</i> , 2017, 13, P364.	0.8	0
59	Speech in Smartwatch based Audio. , 2018, , .		0
60	[TDâ€Pâ€016]: STUDYING NEURODEGENERATION WITH AUTOMATED LINGUISTIC ANALYSIS OF SPEECH DATA. <i>Alzheimer's and Dementia</i> , 2017, 13, P164.	0.8	0
61	Predicting the target specialty of referral notes to estimate per-specialty wait times with machine learning. <i>PLoS ONE</i> , 2022, 17, e0267964.	2.5	0