

# Hanna Suominen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4404322/publications.pdf>

Version: 2024-02-01

70  
papers

1,077  
citations

471371

17  
h-index

454834

30  
g-index

78  
all docs

78  
docs citations

78  
times ranked

1101  
citing authors

#	ARTICLE	IF	CITATIONS
1	Using clinical Natural Language Processing for health outcomes research: Overview and actionable suggestions for future advances. <i>Journal of Biomedical Informatics</i> , 2018, 88, 11-19.	2.5	139
2	Overview of the ShARe/CLEF eHealth Evaluation Lab 2013. <i>Lecture Notes in Computer Science</i> , 2013, , 212-231.	1.0	127
3	Evaluating the state of the art in disorder recognition and normalization of the clinical narrative. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2015, 22, 143-154.	2.2	107
4	A systematic review of speech recognition technology in health care. <i>BMC Medical Informatics and Decision Making</i> , 2014, 14, 94.	1.5	78
5	Overview of the ShARe/CLEF eHealth Evaluation Lab 2014. <i>Lecture Notes in Computer Science</i> , 2014, , 172-191.	1.0	56
6	Experiences of Young People and Their Caregivers of Using Technology to Manage Type 1 Diabetes Mellitus: Systematic Literature Review and Narrative Synthesis. <i>JMIR Diabetes</i> , 2021, 6, e20973.	0.9	36
7	â€œIt struck at the heart of who I thought I wasâ€™: A metaâ€šynthesis of the qualitative literature examining the experiences of people with multiple sclerosis. <i>Health Expectations</i> , 2020, 23, 1007-1027.	1.1	34
8	Benchmarking Clinical Speech Recognition and Information Extraction: New Data, Methods, and Evaluations. <i>JMIR Medical Informatics</i> , 2015, 3, e19.	1.3	33
9	Overview of the CLEF eHealth Evaluation Lab 2015. <i>Lecture Notes in Computer Science</i> , 2015, , 429-443.	1.0	32
10	Overview of the CLEF eHealth Evaluation Lab 2016. <i>Lecture Notes in Computer Science</i> , 2016, , 255-266.	1.0	27
11	CLEF 2017 eHealth Evaluation Lab Overview. <i>Lecture Notes in Computer Science</i> , 2017, , 291-303.	1.0	27
12	Capturing patient information at nursing shift changes: methodological evaluation of speech recognition and information extraction. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2015, 22, e48-e66.	2.2	24
13	Automatic detection of patients with invasive fungal disease from free-text computed tomography (CT) scans. <i>Journal of Biomedical Informatics</i> , 2015, 53, 251-260.	2.5	23
14	Overview of the CLEF eHealth Evaluation Lab 2018. <i>Lecture Notes in Computer Science</i> , 2018, , 286-301.	1.0	23
15	Combining hidden Markov models and latent semantic analysis for topic segmentation and labeling: Method and clinical application. <i>International Journal of Medical Informatics</i> , 2009, 78, e1-e6.	1.6	19
16	A Machine Learning Analysis of the Non-academic Employment Opportunities for Ph.D. Graduates in Australia. <i>Higher Education Policy</i> , 2020, 33, 799-813.	1.3	19
17	A usability framework for speech recognition technologies in clinical handover: A pre-implementation study. <i>Journal of Medical Systems</i> , 2014, 38, 56.	2.2	18
18	Overview of the CLEF eHealth Evaluation Lab 2020. <i>Lecture Notes in Computer Science</i> , 2020, , 255-271.	1.0	18

#	ARTICLE	IF	CITATIONS
19	Characteristics of Finnish and Swedish intensive care nursing narratives: a comparative analysis to support the development of clinical language technologies. <i>Journal of Biomedical Semantics</i> , 2011, 2, S1.	0.9	17
20	Normalizing acronyms and abbreviations to aid patient understanding of clinical texts: ShARe/CLEF eHealth Challenge 2013, Task 2. <i>Journal of Biomedical Semantics</i> , 2016, 7, 43.	0.9	16
21	Overview of the CLEF eHealth Evaluation Lab 2019. <i>Lecture Notes in Computer Science</i> , 2019, , 322-339.	1.0	14
22	Efficient cross-validation for kernelized least-squares regression with sparse basis expansions. <i>Machine Learning</i> , 2012, 87, 381-407.	3.4	12
23	Applying language technology to nursing documents: Pros and cons with a focus on ethics. <i>International Journal of Medical Informatics</i> , 2007, 76, S293-S301.	1.6	11
24	Text mining and information analysis of health documents. <i>Artificial Intelligence in Medicine</i> , 2014, 61, 127-130.	3.8	11
25	Scholarly Influence of the Conference and Labs of the Evaluation Forum eHealth Initiative: Review and Bibliometric Study of the 2012 to 2017 Outcomes. <i>JMIR Research Protocols</i> , 2018, 7, e10961.	0.5	10
26	Robust Feature Engineering for Parkinson Disease Diagnosis: New Machine Learning Techniques. <i>JMIR Biomedical Engineering</i> , 2020, 5, e13611.	0.7	10
27	Adapting State-of-the-Art Deep Language Models to Clinical Information Extraction Systems: Potentials, Challenges, and Solutions. <i>JMIR Medical Informatics</i> , 2019, 7, e11499.	1.3	9
28	Segmentation of patent claims for improving their readability. , 2014, , .		8
29	Integrating Multiple Inputs Into an Artificial Pancreas System: Narrative Literature Review. <i>JMIR Diabetes</i> , 2022, 7, e28861.	0.9	8
30	Mining of clinical and biomedical text and data: Editorial of the special issue. <i>International Journal of Medical Informatics</i> , 2009, 78, 786-787.	1.6	7
31	Supporting Communication and Decision Making in Finnish Intensive Care with Language Technology. <i>Journal of Healthcare Engineering</i> , 2010, 1, 595-613.	1.1	7
32	CLEF eHealth Evaluation Lab 2020. <i>Lecture Notes in Computer Science</i> , 2020, , 587-594.	1.0	7
33	Crisis management knowledge from social media. , 2013, , .		6
34	Which features of postural sway are effective in distinguishing Parkinson's disease from controls? A systematic review. <i>Brain and Behavior</i> , 2021, 11, e01929.	1.0	6
35	Overview of the CLEF eHealth Evaluation Lab 2021. <i>Lecture Notes in Computer Science</i> , 2021, , 308-323.	1.0	6
36	CLEF eHealth Evaluation Lab 2021. <i>Lecture Notes in Computer Science</i> , 2021, , 593-600.	1.0	5

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37	The Potential of Current Noninvasive Wearable Technology for the Monitoring of Physiological Signals in the Management of Type 1 Diabetes: Literature Survey. <i>Journal of Medical Internet Research</i> , 2022, 24, e28901.	2.1	5
38	Towards automated classification of intensive care nursing narratives. <i>International Journal of Medical Informatics</i> , 2007, 76, S362-S368.	1.6	4
39	Personalizing Medicine and Technologies to Address the Experiences and Needs of People with Multiple Sclerosis. <i>Journal of Personalized Medicine</i> , 2021, 11, 791.	1.1	4
40	The Scholarly Impact and Strategic Intent of CLEF eHealth Labs from 2012 to 2017. <i>The Kluwer International Series on Information Retrieval</i> , 2019, , 333-363.	1.0	4
41	Applications of Natural Language Processing in Bilingual Language Teaching: An Indonesian-English Case Study. , 2020, , .		4
42	EPUTION at SemEval-2018 Task 2: Emoji Prediction with User Adaption. , 2018, , .		4
43	10 Patient empowerment via technologies for patient-friendly personalized language. , 2015, , 153-164.		3
44	Human Postural Sway Estimation from Noisy Observations. , 2017, , .		3
45	CLEF eHealth 2019 Evaluation Lab. <i>Lecture Notes in Computer Science</i> , 2019, , 267-274.	1.0	3
46	An Input Residual Connection for Simplifying Gated Recurrent Neural Networks. , 2020, , .		3
47	Plastic and Stable Gated Classifiers for Continual Learning. , 2021, , .		3
48	Efficient Hold-Out for Subset of Regressors. <i>Lecture Notes in Computer Science</i> , 2009, , 350-359.	1.0	3
49	Towards automated classification of intensive care nursing narratives. <i>Studies in Health Technology and Informatics</i> , 2006, 124, 789-94.	0.2	3
50	Machine intelligence for health information: capturing concepts and trends in social media via query expansion. <i>Studies in Health Technology and Informatics</i> , 2011, 168, 150-7.	0.2	3
51	Towards an international electronic repository and virtual laboratory of open data and open-source software for telehealth research: comparison of international, Australian and Finnish privacy policies. <i>Studies in Health Technology and Informatics</i> , 2012, 182, 153-60.	0.2	3
52	Gait Estimation and Analysis from Noisy Observations. , 2019, 2019, 2707-2712.		2
53	Performance Evaluation Measures for Text Mining. , 2009, , 724-747.		2
54	A Token-Wise CNN-Based Method for Sentence Compression. <i>Lecture Notes in Computer Science</i> , 2020, , 668-679.	1.0	2

#	ARTICLE	IF	CITATIONS
55	Information flow in intensive care narratives. , 2009, , .		1
56	Evaluation Data and Benchmarks for Cascaded Speech Recognition and Entity Extraction. , 2015, , .		1
57	Automated Categorisation of Patent Claims that Reference Human Genome Sequences. , 2014, , .		1
58	Relevance Ranking of Intensive Care Nursing Narratives. Lecture Notes in Computer Science, 2006, , 720-727.	1.0	1
59	Information Extraction to Improve Standard Compliance. Lecture Notes in Computer Science, 2015, , 644-649.	1.0	1
60	PostAc : A Visual Interactive Search, Exploration, and Analysis Platform for PhD Intensive Job Postings. , 2019, , .		1
61	Theoretical considerations of ethics in text mining of nursing documents. Studies in Health Technology and Informatics, 2006, 122, 359-64.	0.2	1
62	Evaluating pain in intensive care. Studies in Health Technology and Informatics, 2009, 146, 192-6.	0.2	1
63	Visual summarisation of text for surveillance and situational awareness in hospitals. , 2013, , .		0
64	094â€¦..Towards objective testing in parkinsonâ€™s disease: a systematic review of the literature looking at assessment of postural sway. Journal of Neurology, Neurosurgery and Psychiatry, 2019, 90, A30.2-A30.	0.9	0
65	Sway Risk Analysis Based on Age Group Classification. , 2019, 2019, 392-398.		0
66	M2SGD: Learning to Learn Important Weights. , 2020, , .		0
67	6. Twitter for health â€œ building a social media search engine to better understand and curate laypersonsâ€™ personal experiences. , 2014, , 133-174.		0
68	The Importance of Recommender and Feedback Features in a Pronunciation Learning Aid. , 2018, , .		0
69	To compress or not to compress? A Finite-State approach to Nen verbal morphology. , 2020, , .		0
70	Which Features of Postural Sway are Effective in Distinguishing Parkinsonâ€™s Disease Patients from Controls? An Experimental Investigation. , 2021, , .		0