

# Sunyang Fu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7990657/publications.pdf>

Version: 2024-02-01

35  
papers

698  
citations

759190

12  
h-index

642715

23  
g-index

44  
all docs

44  
docs citations

44  
times ranked

594  
citing authors

#	ARTICLE	IF	CITATIONS
1	Clinical concept extraction: A methodology review. <i>Journal of Biomedical Informatics</i> , 2020, 109, 103526.	4.3	86
2	MedSTS: a resource for clinical semantic textual similarity. <i>Language Resources and Evaluation</i> , 2020, 54, 57-72.	2.7	81
3	Desiderata for delivering NLP to accelerate healthcare AI advancement and a Mayo Clinic NLP-as-a-service implementation. <i>Npj Digital Medicine</i> , 2019, 2, 130.	10.9	70
4	Use of Natural Language Processing Algorithms to Identify Common Data Elements in Operative Notes for Total Hip Arthroplasty. <i>Journal of Bone and Joint Surgery - Series A</i> , 2019, 101, 1931-1938.	3.0	50
5	Natural Language Processing for the Identification of Silent Brain Infarcts From Neuroimaging Reports. <i>JMIR Medical Informatics</i> , 2019, 7, e12109.	2.6	40
6	Use of Natural Language Processing Tools to Identify and Classify Periprosthetic Femur Fractures. <i>Journal of Arthroplasty</i> , 2019, 34, 2216-2219.	3.1	38
7	BioCreative/OHNLP Challenge 2018. , 2018, , .		34
8	The 2019 n2c2/OHNLP Track on Clinical Semantic Textual Similarity: Overview. <i>JMIR Medical Informatics</i> , 2020, 8, e23375.	2.6	30
9	Automated Detection of Periprosthetic Joint Infections and Data Elements Using Natural Language Processing. <i>Journal of Arthroplasty</i> , 2021, 36, 688-692.	3.1	27
10	Assessment of the impact of EHR heterogeneity for clinical research through a case study of silent brain infarction. <i>BMC Medical Informatics and Decision Making</i> , 2020, 20, 60.	3.0	26
11	Use of Natural Language Processing Algorithms to Identify Common Data Elements in Operative Notes for Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2021, 36, 922-926.	3.1	25
12	Association of Silent Cerebrovascular Disease Identified Using Natural Language Processing and Future Ischemic Stroke. <i>Neurology</i> , 2021, 97, e1313-e1321.	1.1	25
13	Ascertainment of Delirium Status Using Natural Language Processing From Electronic Health Records. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 524-530.	3.6	18
14	Computational drug repurposing based on electronic health records: a scoping review. <i>Npj Digital Medicine</i> , 2022, 5, .	10.9	16
15	Family History Extraction From Synthetic Clinical Narratives Using Natural Language Processing: Overview and Evaluation of a Challenge Data Set and Solutions for the 2019 National NLP Clinical Challenges (n2c2)/Open Health Natural Language Processing (OHNLP) Competition. <i>JMIR Medical Informatics</i> , 2021, 9, e24008.	2.6	14
16	Natural Language Processing and Machine Learning for Identifying Incident Stroke From Electronic Health Records: Algorithm Development and Validation. <i>Journal of Medical Internet Research</i> , 2021, 23, e22951.	4.3	14
17	An aberration detection-based approach for sentinel syndromic surveillance of COVID-19 and other novel influenza-like illnesses. <i>Journal of Biomedical Informatics</i> , 2021, 113, 103660.	4.3	12
18	Agreement between neuroimages and reports for natural language processing-based detection of silent brain infarcts and white matter disease. <i>BMC Neurology</i> , 2021, 21, 189.	1.8	10

#	ARTICLE	IF	CITATIONS
19	A hybrid model to identify fall occurrence from electronic health records. <i>International Journal of Medical Informatics</i> , 2022, 162, 104736.	3.3	10
20	MedTator: a serverless annotation tool for corpus development. <i>Bioinformatics</i> , 2022, 38, 1776-1778.	4.1	8
21	Delirium occurrence and association with outcomes in hospitalized COVID-19 patients. <i>International Psychogeriatrics</i> , 2021, 33, 1105-1109.	1.0	7
22	Artificial intelligence to organize patient portal messages: a journey from an ensemble deep learning text classification to rule-based named entity recognition. , 2019, , .		6
23	Impact of Diverse Data Sources on Computational Phenotyping. <i>Frontiers in Genetics</i> , 2020, 11, 556.	2.3	5
24	Patientsâ€™ Perspective About the Cost of Diabetes Management: An Analysis of Online Health Communities. <i>Mayo Clinic Proceedings Innovations, Quality &amp; Outcomes</i> , 2021, 5, 898-906.	2.4	5
25	The Implication of Latent Information Quality to the Reproducibility of Secondary Use of Electronic Health Records. <i>Studies in Health Technology and Informatics</i> , 2022, , .	0.3	4
26	Probing Patient Messages Enhanced by Natural Language Processing: A Top-Down Message Corpus Analysis. <i>Health Data Science</i> , 2021, 2021, .	2.3	3
27	Early Alert of Elderly Cognitive Impairment using Temporal Streaming Clustering. , 2021, 2021, 905-912.		3
28	Characterizing Chronic Pain Episodes in Clinical Text at Two Health Care Systems: Comprehensive Annotation and Corpus Analysis. <i>JMIR Medical Informatics</i> , 2020, 8, e18659.	2.6	2
29	Risk Factors for Silent Brain Infarcts and White Matter Disease in a Real-World Cohort Identified by Natural Language Processing. <i>Mayo Clinic Proceedings</i> , 2022, 97, 1114-1122.	3.0	2
30	Multi-Center Validation of Natural Language Processing Algorithms for Detection of Common Data Elements in Operative Notes for Total Hip Arthroplasty (Preprint). <i>JMIR Medical Informatics</i> , 0, , .	2.6	2
31	Stratifying Future Stroke Risk with Incidentally Discovered White Matter Disease Severity and Covert Brain Infarct Site. <i>Cerebrovascular Diseases</i> , 2023, 52, 117-122.	1.7	2
32	Natural Language Processing for the Evaluation of Methodological Standards and Best Practices of EHR-based Clinical Research. <i>AMIA Summits on Translational Science Proceedings</i> , 2020, 2020, 171-180.	0.4	1
33	Data-driven Sublanguage Analysis for Cancer Genomics Knowledge Modeling: Applications in Mining Oncological Genetics Information from Patients' Genetic Reports. <i>AMIA Summits on Translational Science Proceedings</i> , 2020, 2020, 720-729.	0.4	1
34	Prediction of Incident Dementia Using Patient Temporal Health Status. <i>Studies in Health Technology and Informatics</i> , 2022, , .	0.3	1
35	Early Detection of Post-Surgical Complications using Time-series Electronic Health Records. <i>AMIA Summits on Translational Science Proceedings</i> , 2021, 2021, 152-160.	0.4	0