

Hongfang Liu

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.

234
papers

3,801
citations

31
h-index

51
g-index

294
ext. papers

5,295
ext. citations

4.4
avg, IF

5.77
L-index

#	Paper	IF	Citations
234	Clinical information extraction applications: A literature review. <i>Journal of Biomedical Informatics</i> , 2018 , 77, 34-49	10.2	282
233	Validating drug repurposing signals using electronic health records: a case study of metformin associated with reduced cancer mortality. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2015 , 22, 179-91	8.6	139
232	CLAMP - a toolkit for efficiently building customized clinical natural language processing pipelines. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2018 , 25, 331-336	8.6	137
231	A comparison of word embeddings for the biomedical natural language processing. <i>Journal of Biomedical Informatics</i> , 2018 , 87, 12-20	10.2	134
230	A clinical text classification paradigm using weak supervision and deep representation. <i>BMC Medical Informatics and Decision Making</i> , 2019 , 19, 1	3.6	130
229	Deep learning and alternative learning strategies for retrospective real-world clinical data. <i>Npj Digital Medicine</i> , 2019 , 2, 43	15.7	91
228	Using machine learning for concept extraction on clinical documents from multiple data sources. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2011 , 18, 580-7	8.6	91
227	BioThesaurus: a web-based thesaurus of protein and gene names. <i>Bioinformatics</i> , 2006 , 22, 103-5	7.2	88
226	An information extraction framework for cohort identification using electronic health records. <i>AMIA Summits on Translational Science Proceedings</i> , 2013 , 2013, 149-53	1.1	66
225	MedXN: an open source medication extraction and normalization tool for clinical text. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2014 , 21, 858-65	8.6	63
224	AffyProbeMiner: a web resource for computing or retrieving accurately redefined Affymetrix probe sets. <i>Bioinformatics</i> , 2007 , 23, 2385-90	7.2	62
223	Rapid identification of familial hypercholesterolemia from electronic health records: The SEARCH study. <i>Journal of Clinical Lipidology</i> , 2016 , 10, 1230-9	4.9	62
222	A multi-aspect comparison study of supervised word sense disambiguation. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2004 , 11, 320-31	8.6	57
221	Deep Phenotyping on Electronic Health Records Facilitates Genetic Diagnosis by Clinical Exomes. <i>American Journal of Human Genetics</i> , 2018 , 103, 58-73	11	55
220	Unified Medical Language System term occurrences in clinical notes: a large-scale corpus analysis. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2012 , 19, e149-56	8.6	50
219	Systematic Analysis of Adverse Event Reports for Sex Differences in Adverse Drug Events. <i>Scientific Reports</i> , 2016 , 6, 24955	4.9	50
218	DEEPEN: A negation detection system for clinical text incorporating dependency relation into NegEx. <i>Journal of Biomedical Informatics</i> , 2015 , 54, 213-9	10.2	49

217	Automated chart review for asthma cohort identification using natural language processing: an exploratory study. <i>Annals of Allergy, Asthma and Immunology</i> , 2013 , 111, 364-9	3.2	49
216	BioTagger-GM: a gene/protein name recognition system. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2009 , 16, 247-55	8.6	47
215	Mining peripheral arterial disease cases from narrative clinical notes using natural language processing. <i>Journal of Vascular Surgery</i> , 2017 , 65, 1753-1761	3.5	46
214	Application of a Natural Language Processing Algorithm to Asthma Ascertainment. An Automated Chart Review. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 196, 430-437	10.2	42
213	Natural language processing of clinical notes for identification of critical limb ischemia. <i>International Journal of Medical Informatics</i> , 2018 , 111, 83-89	5.3	42
212	Overview of the gene ontology task at BioCreative IV. <i>Database: the Journal of Biological Databases and Curation</i> , 2014 , 2014,	5	42
211	Toward a Learning Health-care System - Knowledge Delivery at the Point of Care Empowered by Big Data and NLP. <i>Biomedical Informatics Insights</i> , 2016 , 8, 13-22	4.9	41
210	Artificial intelligence approaches using natural language processing to advance EHR-based clinical research. <i>Journal of Allergy and Clinical Immunology</i> , 2020 , 145, 463-469	11.5	40
209	A common type system for clinical natural language processing. <i>Journal of Biomedical Semantics</i> , 2013 , 4, 1	2.2	36
208	SpliceCenter: a suite of web-based bioinformatic applications for evaluating the impact of alternative splicing on RT-PCR, RNAi, microarray, and peptide-based studies. <i>BMC Bioinformatics</i> , 2008 , 9, 313	3.6	36
207	Clinical documentation variations and NLP system portability: a case study in asthma birth cohorts across institutions. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2018 , 25, 353-359	8.6	35
206	A study of transportability of an existing smoking status detection module across institutions 2012 , 2012, 577-86	0.7	33
205	MedSTS: a resource for clinical semantic textual similarity. <i>Language Resources and Evaluation</i> , 2020 , 54, 57-72	1.8	33
204	iProLINK: an integrated protein resource for literature mining. <i>Computational Biology and Chemistry</i> , 2004 , 28, 409-16	3.6	32
203	Automated chart review utilizing natural language processing algorithm for asthma predictive index. <i>BMC Pulmonary Medicine</i> , 2018 , 18, 34	3.5	30
202	Clinical concept extraction: A methodology review. <i>Journal of Biomedical Informatics</i> , 2020 , 109, 103526	10.2	30
201	Natural Language Processing for Asthma Ascertainment in Different Practice Settings. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2018 , 6, 126-131	5.4	29
200	Detection of clinically important colorectal surgical site infection using Bayesian network. <i>Journal of Surgical Research</i> , 2017 , 209, 168-173	2.5	29

199	DynGO: a tool for visualizing and mining of Gene Ontology and its associations. <i>BMC Bioinformatics</i> , 2005 , 6, 201	3.6	28
198	Peripheral Neutrophil to Lymphocyte Ratio Improves Prognostication in Colon Cancer. <i>Clinical Colorectal Cancer</i> , 2017 , 16, 115-123.e3	3.8	27
197	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	15.7	26
196	A Robust e-Epidemiology Tool in Phenotyping Heart Failure with Differentiation for Preserved and Reduced Ejection Fraction: the Electronic Medical Records and Genomics (eMERGE) Network. <i>Journal of Cardiovascular Translational Research</i> , 2015 , 8, 475-83	3.3	25
195	Microarray probes and probe sets. <i>Frontiers in Bioscience - Elite</i> , 2010 , 2, 325-38	1.6	25
194	Characterizing Long COVID: Deep Phenotype of a Complex Condition. <i>EBioMedicine</i> , 2021 , 74, 103722	8.8	25
193	Using large clinical corpora for query expansion in text-based cohort identification. <i>Journal of Biomedical Informatics</i> , 2014 , 49, 275-81	10.2	24
192	Unsupervised machine learning for the discovery of latent disease clusters and patient subgroups using electronic health records. <i>Journal of Biomedical Informatics</i> , 2020 , 102, 103364	10.2	24
191	Correlations Between COVID-19 Cases and Google Trends Data in the United States: A State-by-State Analysis. <i>Mayo Clinic Proceedings</i> , 2020 , 95, 2370-2381	6.4	24
190	Valx: A System for Extracting and Structuring Numeric Lab Test Comparison Statements from Text. <i>Methods of Information in Medicine</i> , 2016 , 55, 266-75	1.5	24
189	A Part-Of-Speech term weighting scheme for biomedical information retrieval. <i>Journal of Biomedical Informatics</i> , 2016 , 63, 379-389	10.2	23
188	Proton Pump Inhibitors and the Risk for Fracture at Specific Sites: Data Mining of the FDA Adverse Event Reporting System. <i>Scientific Reports</i> , 2017 , 7, 5527	4.9	21
187	BELMiner: adapting a rule-based relation extraction system to extract biological expression language statements from bio-medical literature evidence sentences. <i>Database: the Journal of Biological Databases and Curation</i> , 2017 , 2017,	5	21
186	Network-based analysis reveals distinct association patterns in a semantic MEDLINE-based drug-disease-gene network. <i>Journal of Biomedical Semantics</i> , 2014 , 5, 33	2.2	20
185	Modeling asynchronous event sequences with RNNs. <i>Journal of Biomedical Informatics</i> , 2018 , 83, 167-177	10.2	19
184	Cohort Profile: The Right Drug, Right Dose, Right Time: Using Genomic Data to Individualize Treatment Protocol (RIGHT Protocol). <i>International Journal of Epidemiology</i> , 2020 , 49, 23-24k	7.8	19
183	Recommendations for the safe, effective use of adaptive CDS in the US healthcare system: an AMIA position paper. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2021 , 28, 677-684	8.6	19
182	Ease of adoption of clinical natural language processing software: An evaluation of five systems. <i>Journal of Biomedical Informatics</i> , 2015 , 58 Suppl, S189-S196	10.2	18

181	Developing a FHIR-based EHR phenotyping framework: A case study for identification of patients with obesity and multiple comorbidities from discharge summaries. <i>Journal of Biomedical Informatics</i> , 2019 , 99, 103310	10.2	18
180	A new method for prioritizing drug repositioning candidates extracted by literature-based discovery 2015 ,		18
179	Natural Language Processing for the Identification of Silent Brain Infarcts From Neuroimaging Reports. <i>JMIR Medical Informatics</i> , 2019 , 7, e12109	3.6	18
178	BioCreative/OHNL Challenge 2018 2018 ,		18
177	Standardizing adverse drug event reporting data. <i>Journal of Biomedical Semantics</i> , 2014 , 5, 36	2.2	17
176	Patient-level temporal aggregation for text-based asthma status ascertainment. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2014 , 21, 876-84	8.6	17
175	Identification of Patients with Family History of Pancreatic Cancer--Investigation of an NLP System Portability. <i>Studies in Health Technology and Informatics</i> , 2015 , 216, 604-8	0.5	17
174	Using Social Media Data to Identify Potential Candidates for Drug Repurposing: A Feasibility Study. <i>JMIR Research Protocols</i> , 2016 , 5, e121	2	17
173	Rare disease knowledge enrichment through a data-driven approach. <i>BMC Medical Informatics and Decision Making</i> , 2019 , 19, 32	3.6	16
172	Text mining facilitates database curation - extraction of mutation-disease associations from Bio-medical literature. <i>BMC Bioinformatics</i> , 2015 , 16, 185	3.6	16
171	Early genetic aberrations in patients with sporadic colorectal cancer. <i>Molecular Carcinogenesis</i> , 2018 , 57, 114-124	5	16
170	Postoperative bleeding risk prediction for patients undergoing colorectal surgery. <i>Surgery</i> , 2018 , 164, 1209-1216	3.6	16
169	A hybrid approach to sentiment sentence classification in suicide notes. <i>Biomedical Informatics Insights</i> , 2012 , 5, 43-50	4.9	16
168	Testing the theory of relative defect proneness for closed-source software. <i>Empirical Software Engineering</i> , 2010 , 15, 577-598	3.3	16
167	Utilization of Electronic Medical Records and Biomedical Literature to Support the Diagnosis of Rare Diseases Using Data Fusion and Collaborative Filtering Approaches. <i>JMIR Medical Informatics</i> , 2018 , 6, e11301	3.6	16
166	Automated extraction of sudden cardiac death risk factors in hypertrophic cardiomyopathy patients by natural language processing. <i>International Journal of Medical Informatics</i> , 2019 , 128, 32-38	5.3	15
165	Ascertainment of asthma prognosis using natural language processing from electronic medical records. <i>Journal of Allergy and Clinical Immunology</i> , 2018 , 141, 2292-2294.e3	11.5	15
164	Identifying Abdominal Aortic Aneurysm Cases and Controls using Natural Language Processing of Radiology Reports. <i>AMIA Summits on Translational Science Proceedings</i> , 2013 , 2013, 249-53	1.1	15

163	Clinical element models in the SHARPN consortium. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2016 , 23, 248-56	8.6	14
162	Developing a scalable FHIR-based clinical data normalization pipeline for standardizing and integrating unstructured and structured electronic health record data. <i>JAMIA Open</i> , 2019 , 2, 570-579	2.9	14
161	Assessing Unmet Information Needs of Breast Cancer Survivors: Exploratory Study of Online Health Forums Using Text Classification and Retrieval. <i>JMIR Cancer</i> , 2018 , 4, e10	3.2	14
160	Comparison of Three Information Sources for Smoking Information in Electronic Health Records. <i>Cancer Informatics</i> , 2016 , 15, 237-242	2.4	14
159	Extracting chemical-protein relations using attention-based neural networks. <i>Database: the Journal of Biological Databases and Curation</i> , 2018 , 2018,	5	14
158	Natural language processing of radiology reports for identification of skeletal site-specific fractures. <i>BMC Medical Informatics and Decision Making</i> , 2019 , 19, 73	3.6	13
157	Detecting Pharmacovigilance Signals Combining Electronic Medical Records With Spontaneous Reports: A Case Study of Conventional Disease-Modifying Antirheumatic Drugs for Rheumatoid Arthritis. <i>Frontiers in Pharmacology</i> , 2018 , 9, 875	5.6	13
156	HPO2Vec+: Leveraging heterogeneous knowledge resources to enrich node embeddings for the Human Phenotype Ontology. <i>Journal of Biomedical Informatics</i> , 2019 , 96, 103246	10.2	13
155	Need of informatics in designing interoperable clinical registries. <i>International Journal of Medical Informatics</i> , 2017 , 108, 78-84	5.3	12
154	Systematic Analysis of Free-Text Family History in Electronic Health Record. <i>AMIA Summits on Translational Science Proceedings</i> , 2017 , 2017, 104-113	1.1	12
153	Phenotypic Analysis of Clinical Narratives Using Human Phenotype Ontology. <i>Studies in Health Technology and Informatics</i> , 2017 , 245, 581-585	0.5	12
152	Identifying Peripheral Arterial Disease Cases Using Natural Language Processing of Clinical Notes. <i>IEEE-EMBS International Conference on Biomedical and Health Informatics</i> , 2016 , 2016, 126-131	1.9	12
151	Electronic Health Record Phenotypes for Precision Medicine: Perspectives and Caveats From Treatment of Breast Cancer at a Single Institution. <i>Clinical and Translational Science</i> , 2018 , 11, 85-92	4.9	12
150	Deep Learning Solutions for Classifying Patients on Opioid Use 2017 , 2017, 525-534	0.7	11
149	Leveraging Collaborative Filtering to Accelerate Rare Disease Diagnosis 2017 , 2017, 1554-1563	0.7	11
148	MayoNLP at SemEval-2016 Task 1: Semantic Textual Similarity based on Lexical Semantic Net and Deep Learning Semantic Model 2016 ,		11
147	The 2019 n2c2/OHNLP Track on Clinical Semantic Textual Similarity: Overview. <i>JMIR Medical Informatics</i> , 2020 , 8, e23375	3.6	11
146	Predicate Oriented Pattern Analysis for Biomedical Knowledge Discovery. <i>Intelligent Information Management</i> , 2016 , 8, 66-85	0.8	11

145	Dependency and AMR Embeddings for Drug-Drug Interaction Extraction from Biomedical Literature 2017 ,		10
144	Developing an FHIR-Based Computational Pipeline for Automatic Population of Case Report Forms for Colorectal Cancer Clinical Trials Using Electronic Health Records. <i>JCO Clinical Cancer Informatics</i> , 2020 , 4, 201-209	5.2	10
143	Expert artificial intelligence-based natural language processing characterises childhood asthma. <i>BMJ Open Respiratory Research</i> , 2020 , 7,	5.6	10
142	BELTracker: evidence sentence retrieval for BEL statements. <i>Database: the Journal of Biological Databases and Curation</i> , 2016 , 2016,	5	10
141	Leveraging word embeddings and medical entity extraction for biomedical dataset retrieval using unstructured texts. <i>Database: the Journal of Biological Databases and Curation</i> , 2017 , 2017,	5	10
140	Towards a semantic lexicon for clinical natural language processing 2012 , 2012, 568-76	0.7	10
139	Integrating Structured and Unstructured EHR Data Using an FHIR-based Type System: A Case Study with Medication Data. <i>AMIA Summits on Translational Science Proceedings</i> , 2018 , 2017, 74-83	1.1	10
138	Ontology-based systematical representation and drug class effect analysis of package insert-reported adverse events associated with cardiovascular drugs used in China. <i>Scientific Reports</i> , 2017 , 7, 13819	4.9	9
137	Automatic extraction and assessment of lifestyle exposures for Alzheimer's disease using natural language processing. <i>International Journal of Medical Informatics</i> , 2019 , 130, 103943	5.3	9
136	A privacy-preserving distributed filtering framework for NLP artifacts. <i>BMC Medical Informatics and Decision Making</i> , 2019 , 19, 183	3.6	9
135	Mining severe drug-drug interaction adverse events using Semantic Web technologies: a case study. <i>BioData Mining</i> , 2015 , 8, 12	4.3	9
134	Ten-Year Trends in Antiemetic Prescribing in Patients Receiving Highly Emetogenic Chemotherapy. <i>Journal of the National Comprehensive Cancer Network: JNCCN</i> , 2018 , 16, 294-299	7.3	9
133	Ensembles of natural language processing systems for portable phenotyping solutions. <i>Journal of Biomedical Informatics</i> , 2019 , 100, 103318	10.2	9
132	Using SNOMED-CT to encode summary level data - a corpus analysis. <i>AMIA Summits on Translational Science Proceedings</i> , 2012 , 2012, 30-7	1.1	9
131	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	3.6	9
130	CliniViewer: a tool for viewing electronic medical records based on natural language processing and XML. <i>Studies in Health Technology and Informatics</i> , 2004 , 107, 639-43	0.5	9
129	Building a knowledge base of severe adverse drug events based on AERS reporting data using semantic web technologies. <i>Studies in Health Technology and Informatics</i> , 2013 , 192, 496-500	0.5	9
128	COVID-19 TestNorm: A tool to normalize COVID-19 testing names to LOINC codes. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2020 , 27, 1437-1442	8.6	8

127	Innovative Informatics Approaches for Peripheral Artery Disease: Current State and Provider Survey of Strategies for Improving Guideline-Based Care. <i>Mayo Clinic Proceedings Innovations, Quality & Outcomes</i> , 2018 , 2, 129-136	3.1	8
126	Systematic identification of latent disease-gene associations from PubMed articles. <i>PLoS ONE</i> , 2018 , 13, e0191568	3.7	8
125	Analysis of cross-institutional medication description patterns in clinical narratives. <i>Biomedical Informatics Insights</i> , 2013 , 6, 7-16	4.9	8
124	Software Engineering Education for Bioinformatics 2009 ,		8
123	Feasibility of pooling annotated corpora for clinical concept extraction. <i>AMIA Summits on Translational Science Proceedings</i> , 2012 , 2012, 38	1.1	8
122	Coverage Evaluation of CTCAE for Capturing the Immune-related Adverse Events Leveraging Text Mining Technologies. <i>AMIA Summits on Translational Science Proceedings</i> , 2019 , 2019, 771-778	1.1	8
121	Privacy-Preserving Predictive Modeling: Harmonization of Contextual Embeddings From Different Sources. <i>JMIR Medical Informatics</i> , 2018 , 6, e33	3.6	8
120	Prioritizing Adverse Drug Reaction and Drug Repositioning Candidates Generated by Literature-Based Discovery 2016 ,		8
119	Burden of hospitalization in clinically diagnosed peripheral artery disease: A community-based study. <i>Vascular Medicine</i> , 2018 , 23, 23-31	3.3	8
118	Test collections for electronic health record-based clinical information retrieval. <i>JAMIA Open</i> , 2019 , 2, 360-368	2.9	7
117	Use of echocardiography in outpatients with chest pain and normal resting electrocardiograms referred to Mayo Clinic Rochester. <i>American Heart Journal</i> , 2018 , 196, 49-55	4.9	7
116	Colorectal Cancer with Residual Polyp of Origin: A Model of Malignant Transformation. <i>Translational Oncology</i> , 2016 , 9, 280-6	4.9	7
115	Using data-driven sublanguage pattern mining to induce knowledge models: application in medical image reports knowledge representation. <i>BMC Medical Informatics and Decision Making</i> , 2018 , 18, 61	3.6	7
114	Recommending Education Materials for Diabetic Questions Using Information Retrieval Approaches. <i>Journal of Medical Internet Research</i> , 2017 , 19, e342	7.6	7
113	Time Lapse to Colorectal Cancer: Telomere Dynamics Define the Malignant Potential of Polyps. <i>Clinical and Translational Gastroenterology</i> , 2016 , 7, e188	4.2	7
112	Constructing co-occurrence network embeddings to assist association extraction for COVID-19 and other coronavirus infectious diseases. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2020 , 27, 1259-1267	8.6	6
111	A computational framework for converting textual clinical diagnostic criteria into the quality data model. <i>Journal of Biomedical Informatics</i> , 2016 , 63, 11-21	10.2	6
110	Next generation informatics for big data in precision medicine era. <i>BioData Mining</i> , 2015 , 8, 34	4.3	6

109	2015,		6
108	Semi-supervised Learning of Text Classification on Bacterial Protein-Protein Interaction Documents 2009,		6
107	Standardizing Heterogeneous Annotation Corpora Using HL7 FHIR for Facilitating their Reuse and Integration in Clinical NLP 2018, 2018, 574-583	0.7	6
106	A corpus-driven standardization framework for encoding clinical problems with HL7 FHIR. <i>Journal of Biomedical Informatics</i> , 2020 , 110, 103541	10.2	6
105	Natural language processing for populating lung cancer clinical research data. <i>BMC Medical Informatics and Decision Making</i> , 2019 , 19, 239	3.6	6
104	Detection of Surgical Site Infection Utilizing Automated Feature Generation in Clinical Notes. <i>Journal of Healthcare Informatics Research</i> , 2019 , 3, 267-282	4	6
103	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	10.2	6
102	Association of Ankle-Brachial Indices With Limb Revascularization or Amputation in Patients With Peripheral Artery Disease. <i>JAMA Network Open</i> , 2018 , 1, e185547	10.4	6
101	A bibliometric analysis on tobacco regulation investigators. <i>BioData Mining</i> , 2015 , 8, 11	4.3	5
100	Intrastitutional EHR collections for patient-level information retrieval. <i>Journal of the Association for Information Science and Technology</i> , 2017 , 68, 2636-2648	2.7	5
99	A frequency-filtering strategy of obtaining PHI-free sentences from clinical data repository 2015,		5
98	2013,		5
97	Towards pathway curation through literature mining--a case study using PharmGKB. <i>Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing</i> , 2014 , 352-63	1.3	5
96	Discovering associations among diagnosis groups using topic modeling. <i>AMIA Summits on Translational Science Proceedings</i> , 2014 , 2014, 43-9	1.1	5
95	A Topic-modeling Based Framework for Drug-drug Interaction Classification from Biomedical Text 2016, 2016, 789-798	0.7	5
94	Analysis of Clinical Variations in Asthma Care Documented in Electronic Health Records Between Staff and Resident Physicians. <i>Studies in Health Technology and Informatics</i> , 2017 , 245, 1170-1174	0.5	5
93	Detecting Lifestyle Risk Factors for Chronic Kidney Disease With Comorbidities: Association Rule Mining Analysis of Web-Based Survey Data. <i>Journal of Medical Internet Research</i> , 2019 , 21, e14204	7.6	5
92	Implementation of a Cohort Retrieval System for Clinical Data Repositories Using the Observational Medical Outcomes Partnership Common Data Model: Proof-of-Concept System Validation. <i>JMIR Medical Informatics</i> , 2020 , 8, e17376	3.6	5

91	Deployment of an Interdisciplinary Predictive Analytics Task Force to Inform Hospital Operational Decision-Making During the COVID-19 Pandemic. <i>Mayo Clinic Proceedings</i> , 2021 , 96, 690-698	6.4	5
90	Using Human Phenotype Ontology for Phenotypic Analysis of Clinical Notes. <i>Studies in Health Technology and Informatics</i> , 2017 , 245, 1285	0.5	5
89	CancerBERT: a cancer domain-specific language model for extracting breast cancer phenotypes from electronic health records.. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2022 ,	8.6	5
88	Constructing Node Embeddings for Human Phenotype Ontology to Assist Phenotypic Similarity Measurement 2018 ,		4
87	Use of Echocardiography in Olmsted County Outpatients With Chest Pain and Normal Resting Electrocardiograms Seen at Mayo Clinic Rochester. <i>Mayo Clinic Proceedings</i> , 2015 , 90, 1492-8	6.4	4
86	Clinical Decision Support for Colonoscopy Surveillance Using Natural Language Processing 2012 ,		4
85	Teaching software engineering to end-users 2008 ,		4
84	Facilitating post-surgical complication detection through sublanguage analysis. <i>AMIA Summits on Translational Science Proceedings</i> , 2014 , 2014, 77-82	1.1	4
83	Towards Transforming Expert-based Content to Evidence-based Content. <i>AMIA Summits on Translational Science Proceedings</i> , 2014 , 2014, 83-90	1.1	4
82	Exploring Gaps of Family History Documentation in EHR for Precision Medicine -A Case Study of Familial Hypercholesterolemia Ascertainment. <i>AMIA Summits on Translational Science Proceedings</i> , 2016 , 2016, 160-6	1.1	4
81	Leveraging Terminology Services for Extract-Transform-Load Processes: A User-Centered Approach 2016 , 2016, 1010-1019	0.7	4
80	Discovering adverse drug events combining spontaneous reports with electronic medical records: a case study of conventional DMARDs and biologics for rheumatoid arthritis. <i>AMIA Summits on Translational Science Proceedings</i> , 2017 , 2017, 95-103	1.1	4
79	A Text-Mining Framework for Supporting Systematic Reviews 2016 , 1, 1-9		4
78	Detecting and Filtering Immune-Related Adverse Events Signal Based on Text Mining and Observational Health Data Sciences and Informatics Common Data Model: Framework Development Study. <i>JMIR Medical Informatics</i> , 2020 , 8, e17353	3.6	4
77	An Aberration Detection-Based Approach for Sentinel Syndromic Surveillance of COVID-19 and Other Novel Influenza-Like Illnesses 2020 ,		4
76	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	3.6	4
75	Preliminary exploration of survival analysis using the OHDSI common data model: a case study of intrahepatic cholangiocarcinoma. <i>BMC Medical Informatics and Decision Making</i> , 2018 , 18, 116	3.6	4
74	Early Identification of Childhood Asthma: The Role of Informatics in an Era of Electronic Health Records. <i>Frontiers in Pediatrics</i> , 2019 , 7, 113	3.4	3

73	Ascertainment of delirium status using natural language processing from electronic health records. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020 ,	6.4	3
72	Impact of Patient Reminders on Papanicolaou Test Completion for High-Risk Patients Identified by a Clinical Decision Support System. <i>Journal of Women's Health</i> , 2018 , 27, 569-574	3	3
71	Salience of Medical Concepts of Inside Clinical Texts and Outside Medical Records for Referred Cardiovascular Patients.. <i>Journal of Healthcare Informatics Research</i> , 2019 , 3, 200-219	4	3
70	Discovering associations between problem list and practice setting. <i>BMC Medical Informatics and Decision Making</i> , 2019 , 19, 69	3.6	3
69	Automated recommendation for cervical cancer screening and surveillance. <i>Cancer Informatics</i> , 2014 , 13, 1-6	2.4	3
68	Genome-wide analysis of loss of heterozygosity in breast infiltrating ductal carcinoma distant normal tissue highlights arm specific enrichment and expansion across tumor stages. <i>PLoS ONE</i> , 2014 , 9, e95783	3.7	3
67	Correlating Lab Test Results in Clinical Notes with Structured Lab Data: A Case Study in HbA1c and Glucose. <i>AMIA Summits on Translational Science Proceedings</i> , 2017 , 2017, 221-228	1.1	3
66	Evaluating the Impact of Dictionary Updates on Automatic Annotations Based on Clinical NLP Systems. <i>AMIA Summits on Translational Science Proceedings</i> , 2019 , 2019, 714-721	1.1	3
65	Time event ontology (TEO): to support semantic representation and reasoning of complex temporal relations of clinical events. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2020 , 27, 1046-1056	8.6	3
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