

# Hong Yu

## List of Publications by Year in descending order

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71  
papers

1,757  
citations

394421  
19  
h-index

395702  
33  
g-index

84  
all docs

84  
docs citations

84  
times ranked

2237  
citing authors

#	ARTICLE	IF	CITATIONS
1	Using data science to improve outcomes for persons with opioid use disorder. Substance Abuse, 2022, 43, 956-963.	2.3	4
2	Evaluating the Effectiveness of NoteAid in a Community Hospital Setting: Randomized Trial of Electronic Health Record Note Comprehension Interventions With Patients. Journal of Medical Internet Research, 2021, 23, e26354.	4.3	3
3	Prevalence of Frailty and Associations with Oral Anticoagulant Prescribing in Atrial Fibrillation. Journal of General Internal Medicine, 2021, , 1.	2.6	6
4	Relation Classification for Bleeding Events From Electronic Health Records Using Deep Learning Systems: An Empirical Study. JMIR Medical Informatics, 2021, 9, e27527.	2.6	11
5	Risk Factors Associated With Nonfatal Opioid Overdose Leading to Intensive Care Unit Admission: A Cross-sectional Study. JMIR Medical Informatics, 2021, 9, e32851.	2.6	5
6	MIMIC-SBDH: A Dataset for Social and Behavioral Determinants of Health.. Proceedings of Machine Learning Research, 2021, 149, 391-413.	0.3	0
7	MetaMT, a Meta Learning Method Leveraging Multiple Domain Data for Low Resource Machine Translation. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 8245-8252.	4.9	18
8	ICD Coding from Clinical Text Using Multi-Filter Residual Convolutional Neural Network. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 8180-8187.	4.9	76
9	BENTO: A Visual Platform for Building Clinical NLP Pipelines Based on CodaLab. , 2020, 2020, 95-100.		2
10	Learning Latent Space Representations to Predict Patient Outcomes: Model Development and Validation. Journal of Medical Internet Research, 2020, 22, e16374.	4.3	16
11	Dynamic Data Selection for Curriculum Learning via Ability Estimation. , 2020, 2020, 545-555.		7
12	Generating Medical Assessments Using a Neural Network Model: Algorithm Development and Validation. JMIR Medical Informatics, 2020, 8, e14971.	2.6	3
13	Calibrating Structured Output Predictors for Natural Language Processing. , 2020, 2020, 2078-2092.		7
14	Generating Accurate Electronic Health Assessment from Medical Graph. , 2020, 2020, 3764-3773.		1
15	Bleeding Entity Recognition in Electronic Health Records: A Comprehensive Analysis of End-to-End Systems. AMIA ... Annual Symposium proceedings, 2020, 2020, 860-869.	0.2	2
16	Inferring ADR causality by predicting the Naranjo Score from Clinical Notes. AMIA ... Annual Symposium proceedings, 2020, 2020, 1041-1049.	0.2	2
17	An investigation of single-domain and multidomain medication and adverse drug event relation extraction from electronic health record notes using advanced deep learning models. Journal of the American Medical Informatics Association: JAMIA, 2019, 26, 646-654.	4.4	21
18	Naranjo Question Answering using End-to-End Multi-task Learning Model. , 2019, 2019, 2547-2555.		6

#	ARTICLE	IF	CITATIONS
19	Towards Drug Safety Surveillance and Pharmacovigilance: Current Progress in Detecting Medication and Adverse Drug Events from Electronic Health Records. <i>Drug Safety</i> , 2019, 42, 95-97.	3.2	46
20	Learning to detect and understand drug discontinuation events from clinical narratives. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2019, 26, 943-951.	4.4	20
21	Advancing Clinical Research Through Natural Language Processing on Electronic Health Records: Traditional Machine Learning Meets Deep Learning. <i>Computers in Health Care</i> , 2019, , 357-378.	0.3	9
22	Overview of the First Natural Language Processing Challenge for Extracting Medication, Indication, and Adverse Drug Events from Electronic Health Record Notes (MADE 1.0). <i>Drug Safety</i> , 2019, 42, 99-111.	3.2	105
23	Automatic extraction of quantitative data from ClinicalTrials.gov to conduct meta-analyses. <i>Journal of Clinical Epidemiology</i> , 2019, 105, 92-100.	5.0	26
24	Learning Latent Parameters without Human Response Patterns: Item Response Theory with Artificial Crowds. , 2019, 2019, 4240-4250.		14
25	Detection of Bleeding Events in Electronic Health Record Notes Using Convolutional Neural Network Models Enhanced With Recurrent Neural Network Autoencoders: Deep Learning Approach. <i>JMIR Medical Informatics</i> , 2019, 7, e10788.	2.6	38
26	Improving Electronic Health Record Note Comprehension With NoteAid: Randomized Trial of Electronic Health Record Note Comprehension Interventions With Crowdsourced Workers. <i>Journal of Medical Internet Research</i> , 2019, 21, e10793.	4.3	16
27	Detecting Hypoglycemia Incidents Reported in Patientsâ€™ Secure Messages: Using Cost-Sensitive Learning and Oversampling to Reduce Data Imbalance. <i>Journal of Medical Internet Research</i> , 2019, 21, e11990.	4.3	26
28	Automatic Detection of Hypoglycemic Events From the Electronic Health Record Notes of Diabetes Patients: Empirical Study. <i>JMIR Medical Informatics</i> , 2019, 7, e14340.	2.6	17
29	Fine-Tuning Bidirectional Encoder Representations From Transformers (BERT)-Based Models on Large-Scale Electronic Health Record Notes: An Empirical Study. <i>JMIR Medical Informatics</i> , 2019, 7, e14830.	2.6	103
30	QuikLitE, a Framework for Quick Literacy Evaluation in Medicine: Development and Validation. <i>Journal of Medical Internet Research</i> , 2019, 21, e12525.	4.3	1
31	Clinical Judgement Study using Question Answering from Electronic Health Records. <i>Proceedings of Machine Learning Research</i> , 2019, 106, 216-229.	0.3	0
32	Inadequate diversity of information resources searched in US-affiliated systematic reviews and meta-analyses: 2005â€“2016. <i>Journal of Clinical Epidemiology</i> , 2018, 102, 50-62.	5.0	4
33	Recent Trends In Oral Anticoagulant Use And Post-Discharge Complications Among Atrial Fibrillation Patients With Acute Myocardial Infarction. <i>Journal of Atrial Fibrillation</i> , 2018, 10, 1749.	0.5	6
34	Efficacy and safety of direct oral anticoagulants approved for cardiovascular indications: Systematic review and meta-analysis. <i>PLoS ONE</i> , 2018, 13, e0197583.	2.5	63
35	Understanding Deep Learning Performance through an Examination of Test Set Difficulty: A Psychometric Case Study. , 2018, 2018, 4711-4716.		8
36	Extraction of Information Related to Adverse Drug Events from Electronic Health Record Notes: Design of an End-to-End Model Based on Deep Learning. <i>JMIR Medical Informatics</i> , 2018, 6, e12159.	2.6	53

#	ARTICLE	IF	CITATIONS
37	A Natural Language Processing System That Links Medical Terms in Electronic Health Record Notes to Lay Definitions: System Development Using Physician Reviews. Journal of Medical Internet Research, 2018, 20, e26.	4.3	36
38	ComprehENotes, an Instrument to Assess Patient Reading Comprehension of Electronic Health Record Notes: Development and Validation. Journal of Medical Internet Research, 2018, 20, e139.	4.3	16
39	Assessing the Readability of Medical Documents: A Ranking Approach. JMIR Medical Informatics, 2018, 6, e17.	2.6	19
40	Clinical Relation Extraction Toward Drug Safety Surveillance Using Electronic Health Record Narratives: Classical Learning Versus Deep Learning. JMIR Public Health and Surveillance, 2018, 4, e29.	2.6	53
41	Unsupervised ensemble ranking of terms in electronic health record notes based on their importance to patients. Journal of Biomedical Informatics, 2017, 68, 121-131.	4.3	15
42	ICDAR2017 Robust Reading Challenge on Text Extraction from Biomedical Literature Figures (DeTEXT). , 2017,, .		5
43	Neural Semantic Encoders. , 2017,, .		27
44	Readability Formulas and User Perceptions of Electronic Health Records Difficulty: A Corpus Study. Journal of Medical Internet Research, 2017, 19, e59.	4.3	24
45	Ranking Medical Terms to Support Expansion of Lay Language Resources for Patient Comprehension of Electronic Health Record Notes: Adapted Distant Supervision Approach. JMIR Medical Informatics, 2017, 5, e42.	2.6	15
46	Detecting Opioid-Related Aberrant Behavior using Natural Language Processing. AMIA ... Annual Symposium proceedings, 2017, 2017, 1179-1185.	0.2	6
47	Building an Evaluation Scale using Item Response Theory. , 2016, 2016, 648-657.		29
48	Structured prediction models for RNN based sequence labeling in clinical text. , 2016, 2016, 856-865.		129
49	Bidirectional RNN for Medical Event Detection in Electronic Health Records. , 2016, 2016, 473-482.		198
50	Finding Important Terms for Patients in Their Electronic Health Records: A Learning-to-Rank Approach Using Expert Annotations. JMIR Medical Informatics, 2016, 4, e40.	2.6	10
51	Figure-Associated Text Summarization and Evaluation. PLoS ONE, 2015, 10, e0115671.	2.5	19
52	DeTEXT: A Database for Evaluating Text Extraction from Biomedical Literature Figures. PLoS ONE, 2015, 10, e0126200.	2.5	7
53	Mining and Ranking Biomedical Synonym Candidates from Wikipedia. , 2015,, .		19
54	Identifying Key Concepts from EHR Notes Using Domain Adaptation. , 2015,, .		2

#	ARTICLE	IF	CITATIONS
55	Key Concept Identification for Medical Information Retrieval. , 2015, , .		5
56	Methods for Linking EHR Notes to Education Materials. AMIA Summits on Translational Science Proceedings, 2015, 2015, 209-15.	0.4	2
57	A robust data-driven approach for gene ontology annotation. Database: the Journal of Biological Databases and Curation, 2014, 2014, bau113-bau113.	3.0	4
58	Learning to Rank Figures within a Biomedical Article. PLoS ONE, 2014, 9, e61567.	2.5	7
59	Computational Approaches for Predicting Biomedical Research Collaborations. PLoS ONE, 2014, 9, e111795.	2.5	6
60	Automatically Recognizing Medication and Adverse Event Information From Food and Drug Administration's Adverse Event Reporting System Narratives. JMIR Medical Informatics, 2014, 2, e10.	2.6	28
61	Automatically Detecting Acute Myocardial Infarction Events from EHR Text: A Preliminary Study. AMIA ... Annual Symposium proceedings, 2014, 2014, 1286-93.	0.2	4
62	Improving patients' electronic health record comprehension with NoteAid. Studies in Health Technology and Informatics, 2013, 192, 714-8.	0.3	22
63	Natural Language Processing, Electronic Health Records, and Clinical Research. Computers in Health Care, 2012, , 293-310.	0.3	15
64	Biomedical negation scope detection with conditional random fields. Journal of the American Medical Informatics Association: JAMIA, 2010, 17, 696-701.	4.4	58
65	Automatic Figure Ranking and User Interfacing for Intelligent Figure Search. PLoS ONE, 2010, 5, e12983.	2.5	19
66	Are figure legends sufficient? Evaluating the contribution of associated text to biomedical figure comprehension. Journal of Biomedical Discovery and Collaboration, 2009, 4, 1.	2.0	31
67	Using MEDLINE as a knowledge source for disambiguating abbreviations and acronyms in full-text biomedical journal articles. Journal of Biomedical Informatics, 2007, 40, 150-159.	4.3	32
68	Development, implementation, and a cognitive evaluation of a definitional question answering system for physicians. Journal of Biomedical Informatics, 2007, 40, 236-251.	4.3	87
69	A cognitive evaluation of four online search engines for answering definitional questions posed by physicians. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2007, , 328-39.	0.7	6
70	Accessing bioscience images from abstract sentences. Bioinformatics, 2006, 22, e547-e556.	4.1	38
71	Towards answering biological questions with experimental evidence: automatically identifying text that summarize image content in full-text articles. AMIA ... Annual Symposium proceedings, 2006, , 834-8.	0.2	16