

Rui Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,084
citations

567281

15
h-index

454955

30
g-index

63
all docs

63
docs citations

63
times ranked

1396
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 29, 1208-1216.	4.4	33
2	Discovering novel drug-supplement interactions using SuppKG generated from the biomedical literature. <i>Journal of Biomedical Informatics</i> , 2022, 131, 104120.	4.3	9
3	Classifying the lifestyle status for Alzheimer's disease from clinical notes using deep learning with weak supervision. <i>BMC Medical Informatics and Decision Making</i> , 2022, 22, .	3.0	8
4	A conversational agent system for dietary supplements use. <i>BMC Medical Informatics and Decision Making</i> , 2022, 22, .	3.0	2
5	Deep learning approaches for extracting adverse events and indications of dietary supplements from clinical text. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2021, 28, 569-577.	4.4	11
6	Natural language processing. , 2021, , 123-148.		5
7	Drug repurposing for COVID-19 via knowledge graph completion. <i>Journal of Biomedical Informatics</i> , 2021, 115, 103696.	4.3	102
8	A fast, resource efficient, and reliable rule-based system for COVID-19 symptom identification. <i>JAMIA Open</i> , 2021, 4, ooab070.	2.0	4
9	WGCN: Graph Convolutional Networks with Weighted Structural Features. , 2021, , .		10
10	Social and Behavioral Determinants of Health in the Era of Artificial Intelligence with Electronic Health Records: A Scoping Review. <i>Health Data Science</i> , 2021, 2021, .	2.3	12
11	When text simplification is not enough: could a graph-based visualization facilitate consumers' comprehension of dietary supplement information?. <i>JAMIA Open</i> , 2021, 4, ooab026.	2.0	4
12	Deep learning models in detection of dietary supplement adverse event signals from Twitter. <i>JAMIA Open</i> , 2021, 4, ooab081.	2.0	7
13	Detecting associations between dietary supplement intake and sentiments within mental disorder tweets. <i>Health Informatics Journal</i> , 2020, 26, 803-815.	2.1	11
14	Mining Twitter to assess the determinants of health behavior toward human papillomavirus vaccination in the United States. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2020, 27, 225-235.	4.4	35
15	Assessing the enrichment of dietary supplement coverage in the Unified Medical Language System. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2020, 27, 1547-1555.	4.4	6
16	Selected articles from the Fourth International Workshop on Semantics-Powered Data Mining and Analytics (SEPDA 2019). <i>BMC Medical Informatics and Decision Making</i> , 2020, 20, 315.	3.0	0
17	iDISK: the integrated Dietary Supplements Knowledge base. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2020, 27, 539-548.	4.4	23
18	Comparing NLP Systems to Extract Entities of Eligibility Criteria in Dietary Supplements Clinical Trials Using NLP-ADAPT. <i>Lecture Notes in Computer Science</i> , 2020, , 67-77.	1.3	3

#	ARTICLE	IF	CITATIONS
19	Exploring Eating Disorder Topics on Twitter: Machine Learning Approach. JMIR Medical Informatics, 2020, 8, e18273.	2.6	24
20	Natural Language Processing Methods to Extract Lifestyle Exposures for Alzheimer's Disease from Clinical Notes. , 2020, , .		6
21	A Prototype Conversational Agent for Dietary Supplements. , 2020, , .		0
22	Using word embeddings to expand terminology of dietary supplements on clinical notes. JAMIA Open, 2019, 2, 246-253.	2.0	38
23	Selected articles from the Third International Workshop on Semantics-Powered Data Analytics (SEFDA 2018). BMC Medical Informatics and Decision Making, 2019, 19, 148.	3.0	1
24	ALOHA: developing an interactive graph-based visualization for dietary supplement knowledge graph through user-centered design. BMC Medical Informatics and Decision Making, 2019, 19, 150.	3.0	16
25	Analysis of Twitter to Identify Topics Related to Eating Disorder Symptoms. , 2019, 2019, .		10
26	Detecting Signals of Dietary Supplement Adverse Events from the CFSAN Adverse Event Reporting System (CAERS). AMIA Summits on Translational Science Proceedings, 2019, 2019, 258-266.	0.4	4
27	Normalizing Dietary Supplement Product Names Using the RxNorm Model. Studies in Health Technology and Informatics, 2019, 264, 408-412.	0.3	1
28	Identifying Cardiomegaly in ChestX-ray8 Using Transfer Learning. Studies in Health Technology and Informatics, 2019, 264, 482-486.	0.3	13
29	Electronic Health Record Phenotypes for Precision Medicine: Perspectives and Caveats From Treatment of Breast Cancer at a Single Institution. Clinical and Translational Science, 2018, 11, 85-92.	3.1	17
30	Prototyping an Interactive Visualization of Dietary Supplement Knowledge Graph. , 2018, 2018, 1649-1652.		5
31	Evaluating active learning methods for annotating semantic predications. JAMIA Open, 2018, 1, 275-282.	2.0	7
32	Estimating New York Heart Association Classification for Heart Failure Patients from Information in the Electronic Health Record. , 2018, , .		2
33	Introduction: selected extended articles from the 2nd International Workshop on Semantics-Powered Data Analytics (SEFDA 2017). BMC Medical Informatics and Decision Making, 2018, 18, 56.	3.0	2
34	Using natural language processing methods to classify use status of dietary supplements in clinical notes. BMC Medical Informatics and Decision Making, 2018, 18, 51.	3.0	14
35	Detecting Signals of Associations Between Dietary Supplement Use and Mental Disorders from Twitter. , 2018, 2018, 53-54.		5
36	Discovering and identifying New York heart association classification from electronic health records. BMC Medical Informatics and Decision Making, 2018, 18, 48.	3.0	25

#	ARTICLE	IF	CITATIONS
37	Effectiveness of Combined Smartwatch and Social Media Intervention on Breast Cancer Survivor Health Outcomes: A 10-Week Pilot Randomized Trial. <i>Journal of Clinical Medicine</i> , 2018, 7, 140.	2.4	68
38	Prescription opioids are associated with higher mortality in patients diagnosed with sepsis: A retrospective cohort study using electronic health records. <i>PLoS ONE</i> , 2018, 13, e0190362.	2.5	58
39	Effectiveness of Combined Smartwatch and Social Media Intervention on Breast Cancer Survivor Outcomes. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 137.	0.4	2
40	Comparing Existing Resources to Represent Dietary Supplements. <i>AMIA Summits on Translational Science Proceedings</i> , 2018, 2017, 207-216.	0.4	7
41	A cascaded approach for Chinese clinical text de-identification with less annotation effort. <i>Journal of Biomedical Informatics</i> , 2017, 73, 76-83.	4.3	15
42	Advancing Alzheimer's research: A review of big data promises. <i>International Journal of Medical Informatics</i> , 2017, 106, 48-56.	3.3	56
43	Evaluating automatic methods to extract patients' supplement use from clinical reports. , 2017, 2017, 1258-1261.		4
44	Automatic methods to extract New York heart association classification from clinical notes. , 2017, 2017, 1296-1299.		14
45	Detecting clinically relevant new information in clinical notes across specialties and settings. <i>BMC Medical Informatics and Decision Making</i> , 2017, 17, 68.	3.0	15
46	Classifying Supplement Use Status in Clinical Notes. <i>AMIA Summits on Translational Science Proceedings</i> , 2017, 2017, 493-501.	0.4	3
47	Mining Adverse Events of Dietary Supplements from Product Labels by Topic Modeling. <i>Studies in Health Technology and Informatics</i> , 2017, 245, 614-618.	0.3	6
48	Classification of use status for dietary supplements in clinical notes. , 2016, 2016, 1054-1061.		4
49	Term Coverage of Dietary Supplements Ingredients in Product Labels. <i>AMIA ... Annual Symposium proceedings</i> , 2016, 2016, 2053-2061.	0.2	7
50	Mining Biomedical Literature to Explore Interactions between Cancer Drugs and Dietary Supplements. <i>AMIA Summits on Translational Science Proceedings</i> , 2015, 2015, 69-73.	0.4	10
51	Evaluating Term Coverage of Herbal and Dietary Supplements in Electronic Health Records. <i>AMIA ... Annual Symposium proceedings</i> , 2015, 2015, 1361-70.	0.2	13
52	Evaluation of Herbal and Dietary Supplement Resource Term Coverage. <i>Studies in Health Technology and Informatics</i> , 2015, 216, 785-9.	0.3	7
53	Using semantic predications to uncover drug-drug interactions in clinical data. <i>Journal of Biomedical Informatics</i> , 2014, 49, 134-147.	4.3	50
54	Exploiting Literature-derived Knowledge and Semantics to Identify Potential Prostate Cancer Drugs. <i>Cancer Informatics</i> , 2014, 13s1, CIN.S13889.	1.9	15

#	ARTICLE	IF	CITATIONS
55	Automated identification of relevant new information in clinical narrative. , 2012, , .		1
56	Synthesis and optical properties of cubic In ₂ S ₃ hollow nanospheres. Materials Chemistry and Physics, 2007, 101, 362-366.	4.0	35
57	Nucleation~Dissolution~Recrystallization: A New Growth Mechanism for t-Selenium Nanotubes. Crystal Growth and Design, 2006, 6, 577-582.	3.0	192
58	From Sheets to Fibers: A Novel Approach to Al ₂ O ₃ -AlOOH and Al ₂ O ₃ -Al ₂ O ₃ 1D Nanostructures. Journal of Nanoscience and Nanotechnology, 2006, 6, 1437-1440.	0.9	23