

Licong Cui

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

1,640
citations

623734

14
h-index

315739

38
g-index

72
all docs

72
docs citations

72
times ranked

1804
citing authors

#	ARTICLE	IF	CITATIONS
1	The National Sleep Research Resource: towards a sleep data commons. Journal of the American Medical Informatics Association: JAMIA, 2018, 25, 1351-1358.	4.4	418
2	Metformin Enhances Autophagy and Normalizes Mitochondrial Function to Alleviate Aging-Associated Inflammation. Cell Metabolism, 2020, 32, 44-55.e6.	16.2	321
3	Scaling Up Scientific Discovery in Sleep Medicine: The National Sleep Research Resource. Sleep, 2016, 39, 1151-1164.	1.1	252
4	HyCLASSS: A Hybrid Classifier for Automatic Sleep Stage Scoring. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 375-385.	6.3	74
5	Epilepsy and seizure ontology: towards an epilepsy informatics infrastructure for clinical research and patient care. Journal of the American Medical Informatics Association: JAMIA, 2014, 21, 82-89.	4.4	70
6	Mining non-lattice subgraphs for detecting missing hierarchical relations and concepts in SNOMED CT. Journal of the American Medical Informatics Association: JAMIA, 2017, 24, 788-798.	4.4	44
7	EpiDEA: extracting structured epilepsy and seizure information from patient discharge summaries for cohort identification. AMIA ... Annual Symposium proceedings, 2012, 2012, 1191-200.	0.2	36
8	Complex epilepsy phenotype extraction from narrative clinical discharge summaries. Journal of Biomedical Informatics, 2014, 51, 272-279.	4.3	32
9	Auditing SNOMED CT hierarchical relations based on lexical features of concepts in non-lattice subgraphs. Journal of Biomedical Informatics, 2018, 78, 177-184.	4.3	26
10	Trial Prospector: Matching Patients with Cancer Research Studies Using an Automated and Scalable Approach. Cancer Informatics, 2014, 13, CIN.S19454.	1.9	20
11	Evaluation of a Novel Conjunctive Exploratory Navigation Interface for Consumer Health Information: A Crowdsourced Comparative Study. Journal of Medical Internet Research, 2014, 16, e45.	4.3	20
12	MaPLE: A MapReduce Pipeline for Lattice-based Evaluation and its application to SNOMED CT. , 2014, 2014, 754-759.		18
13	MEDCIS: Multi-Modality Epilepsy Data Capture and Integration System. AMIA ... Annual Symposium proceedings, 2014, 2014, 1248-57.	0.2	18
14	Biomedical Ontology Quality Assurance Using a Big Data Approach. ACM Transactions on Knowledge Discovery From Data, 2016, 10, 1-28.	3.5	16
15	SimQ: Real-Time Retrieval of Similar Consumer Health Questions. Journal of Medical Internet Research, 2015, 17, e43.	4.3	15
16	Linguistic quantifiers based on Choquet integrals. International Journal of Approximate Reasoning, 2008, 48, 559-582.	3.3	14
17	INTUITIONISTIC FUZZY LINGUISTIC QUANTIFIERS BASED ON INTUITIONISTIC FUZZY-VALUED FUZZY MEASURES AND INTEGRALS. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2009, 17, 427-448.	1.9	14
18	An efficient, large-scale, non-lattice-detection algorithm for exhaustive structural auditing of biomedical ontologies. Journal of Biomedical Informatics, 2018, 80, 106-119.	4.3	13

#	ARTICLE	IF	CITATIONS
19	FEDRR: fast, exhaustive detection of redundant hierarchical relations for quality improvement of large biomedical ontologies. <i>BioData Mining</i> , 2016, 9, 31.	4.0	12
20	X-search: an open access interface for cross-cohort exploration of the National Sleep Research Resource. <i>BMC Medical Informatics and Decision Making</i> , 2018, 18, 99.	3.0	11
21	Detection of Postictal Generalized Electroencephalogram Suppression: Random Forest Approach. <i>JMIR Medical Informatics</i> , 2020, 8, e17061.	2.6	10
22	A transformation-based method for auditing the IS-A hierarchy of biomedical terminologies in the Unified Medical Language System. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2020, 27, 1568-1575.	4.4	9
23	A Semantic-based Approach for Exploring Consumer Health Questions Using UMLS. <i>AMIA ... Annual Symposium proceedings</i> , 2014, 2014, 432-41.	0.2	9
24	Quality assurance of biomedical terminologies and ontologies. <i>Journal of Biomedical Informatics</i> , 2018, 86, 106-108.	4.3	8
25	Query-constraint-based mining of association rules for exploratory analysis of clinical datasets in the National Sleep Research Resource. <i>BMC Medical Informatics and Decision Making</i> , 2018, 18, 58.	3.0	8
26	Web-based interactive mapping from data dictionaries to ontologies, with an application to cancer registry. <i>BMC Medical Informatics and Decision Making</i> , 2020, 20, 271.	3.0	8
27	Auditing subtype inconsistencies among gene ontology concepts. , 2017, , .		7
28	SSIF: Subsumption-based Sub-term Inference Framework to audit Gene Ontology. <i>Bioinformatics</i> , 2020, 36, 3207-3214.	4.1	7
29	Facilitating Cohort Discovery by Enhancing Ontology Exploration, Query Management and Query Sharing for Large Clinical Data Repositories. <i>AMIA ... Annual Symposium proceedings</i> , 2017, 2017, 1685-1694.	0.2	7
30	Ontologies as nested facet systems for humanâ€“data interaction. <i>Semantic Web</i> , 2020, 11, 79-86.	1.9	6
31	Can Big Data guide prognosis and clinical decisions in epilepsy?. <i>Epilepsia</i> , 2021, 62, S106-S115.	5.1	6
32	Merging Ontology Navigation with Query Construction for Web-based Medicare Data Exploration. <i>AMIA Summits on Translational Science Proceedings</i> , 2013, 2013, 285-9.	0.4	6
33	Mining Relation Reversals in the Evolution of SNOMED CT Using MapReduce. <i>AMIA Summits on Translational Science Proceedings</i> , 2015, 2015, 46-50.	0.4	6
34	Multi-topic assignment for exploratory navigation of consumer health information in NetWellness using formal concept analysis. <i>BMC Medical Informatics and Decision Making</i> , 2014, 14, 63.	3.0	5
35	Query-constraint-based association rule mining from diverse clinical datasets in the national sleep research resource. , 2017, , .		5
36	A Lexical Approach to Identifying Subtype Inconsistencies in Biomedical Terminologies. , 2018, , .		5

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37	Pattern-based Extraction of Disease Drug Combination Knowledge from Biomedical Literature. , 2019, , .		5
38	A Lexical-based Formal Concept Analysis Method to Identify Missing Concepts in the NCI Thesaurus. , 2020, 2020, .		5
39	COHeRE: Cross-Ontology Hierarchical Relation Examination for Ontology Quality Assurance. AMIA ... Annual Symposium proceedings, 2015, 2015, 456-65.	0.2	5
40	ODaCCI: Ontology-guided Data Curation for Multisite Clinical Research Data Integration in the NINDS Center for SUDEP Research. AMIA ... Annual Symposium proceedings, 2016, 2016, 441-450.	0.2	5
41	Leveraging Non-lattice Subgraphs to Audit Hierarchical Relations in NCI Thesaurus. AMIA ... Annual Symposium proceedings, 2019, 2019, 982-991.	0.2	5
42	Design and Implementation of a Comprehensive Web-Based Survey for Ovarian Cancer Survivorship with an Analysis of Prediagnosis Symptoms via Text Mining. Cancer Informatics, 2014, 13s3, CIN.S14034.	1.9	4
43	Exploring Deep Learning-based Approaches for Predicting Concept Names in SNOMED CT. , 2018, , .		4
44	Enhancing the Quality of Hierarchic Relations in the National Cancer Institute Thesaurus to Enable Faceted Query of Cancer Registry Data. JCO Clinical Cancer Informatics, 2020, 4, 392-398.	2.1	4
45	NHash: Randomized N-Gram Hashing for Distributed Generation of Validatable Unique Study Identifiers in Multicenter Research. JMIR Medical Informatics, 2015, 3, e35.	2.6	4
46	NEO: Systematic Non-Lattice Embedding of Ontologies for Comparing the Subsumption Relationship in SNOMED CT and in FMA Using MapReduce. AMIA Summits on Translational Science Proceedings, 2015, 2015, 216-20.	0.4	4
47	Identification of missing concepts in biomedical terminologies using sequence-based formal concept analysis. BMC Medical Informatics and Decision Making, 2021, 21, 234.	3.0	4
48	A Hybrid Method to Detect Missing Hierarchical Relations in NCI Thesaurus. , 2019, , .		3
49	Detecting missing IS-A relations in the NCI Thesaurus using an enhanced hybrid approach. BMC Medical Informatics and Decision Making, 2020, 20, 273.	3.0	3
50	A Bespoke Electronic Health Record for Epilepsy Care (EpiToMe): Development and Qualitative Evaluation. Journal of Medical Internet Research, 2021, 23, e22939.	4.3	3
51	SpindleSphere: A Web-based Platform for Large-scale Sleep Spindle Analysis and Visualization. AMIA ... Annual Symposium proceedings, 2017, 2017, 1159-1168.	0.2	3
52	Identifying Similar Non-Lattice Subgraphs in Gene Ontology based on Structural Isomorphism and Semantic Similarity of Concept Labels. AMIA ... Annual Symposium proceedings, 2018, 2018, 1186-1195.	0.2	3
53	Leveraging non-lattice subgraphs for suggestion of new concepts for SNOMED CT. , 2021, 2021, 1805-1812.		3
54	Validating Auto-Suggested Changes for SNOMED CT in Non-Lattice Subgraphs Using Relational Machine Learning. Studies in Health Technology and Informatics, 2019, 264, 378-382.	0.3	3

#	ARTICLE	IF	CITATIONS
55	Evaluation of relational and NoSQL approaches for patient cohort identification from heterogeneous data sources. , 2017, , .		2
56	Hadoop-EDF: Large-scale Distributed Processing of Electrophysiological Signal Data in Hadoop MapReduce. , 2019, , .		2
57	A community effort for automatic detection of postictal generalized EEG suppression in epilepsy. BMC Medical Informatics and Decision Making, 2020, 20, 328.	3.0	2
58	Quality assurance and enrichment of biological and biomedical ontologies and terminologies. BMC Medical Informatics and Decision Making, 2020, 20, 301.	3.0	2
59	An evidence-based lexical pattern approach for quality assurance of Gene Ontology relations. Briefings in Bioinformatics, 2022, 23, .	6.5	2
60	A set coverage problem. Information Processing Letters, 2010, 110, 158-159.	0.6	1
61	Querying Complex Federated Clinical Data Using Ontological Mapping and Subsumption Reasoning. , 2013, , .		1
62	HRV-Spark: Computing Heart Rate Variability Measures Using Apache Spark. , 2020, 2020, .		1
63	SeizureBank: A Repository of Analysis-ready Seizure Signal Data. AMIA ... Annual Symposium proceedings, 2019, 2019, 1111-1120.	0.2	1
64	A GENERALIZED NON-PUMPING LEMMA FOR REGULAR LANGUAGES. , 2012, , .		0
65	CONCATENATION AND KLEENE STAR ON DETERMINISTIC FINITE AUTOMATA. , 2012, , .		0
66	COBE: A Conjunctive Ontology Browser and Explorer for Visualizing SNOMED CT Fragments. AMIA ... Annual Symposium proceedings, 2015, 2015, 2092-100.	0.2	0
67	A Data Capture Framework for Large-scale Interventional Studies with Survey Workflow Management. AMIA Summits on Translational Science Proceedings, 2017, 2017, 278-286.	0.4	0
68	Discriminative Sleep Patterns of Alzheimer's Disease via Tensor Factorization. AMIA ... Annual Symposium proceedings, 2019, 2019, 542-551.	0.2	0
69	Web-based Interactive Visualization of Non-Lattice Subgraphs (WINS) in SNOMED CT. AMIA Summits on Translational Science Proceedings, 2020, 2020, 740-749.	0.4	0
70	A lexical-based approach for exhaustive detection of missing hierarchical IS-A relations in SNOMED CT. AMIA ... Annual Symposium proceedings, 2020, 2020, 1392-1401.	0.2	0
71	A Comparison of Exhaustive and Non-lattice-based Methods for Auditing Hierarchical Relations in Gene Ontology.. AMIA ... Annual Symposium proceedings, 2021, 2021, 177-186.	0.2	0