

Anita Burgun

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/887870/publications.pdf>

Version: 2024-02-01

112
papers

2,936
citations

201385

27
h-index

214527

47
g-index

130
all docs

130
docs citations

130
times ranked

4608
citing authors

#	ARTICLE	IF	CITATIONS
1	Big Data and machine learning in radiation oncology: State of the art and future prospects. <i>Cancer Letters</i> , 2016, 382, 110-117.	3.2	240
2	Association between antidepressant use and reduced risk of intubation or death in hospitalized patients with COVID-19: results from an observational study. <i>Molecular Psychiatry</i> , 2021, 26, 5199-5212.	4.1	183
3	Deep Learning and Radiomics predict complete response after neo-adjuvant chemoradiation for locally advanced rectal cancer. <i>Scientific Reports</i> , 2018, 8, 12611.	1.6	142
4	International electronic health record-derived COVID-19 clinical course profiles: the 4CE consortium. <i>Npj Digital Medicine</i> , 2020, 3, 109.	5.7	128
5	Adverse Drug Reaction Identification and Extraction in Social Media: A Scoping Review. <i>Journal of Medical Internet Research</i> , 2015, 17, e171.	2.1	101
6	A clinician friendly data warehouse oriented toward narrative reports: Dr. Warehouse. <i>Journal of Biomedical Informatics</i> , 2018, 80, 52-63.	2.5	89
7	Radiomics and Machine Learning for Radiotherapy in Head and Neck Cancers. <i>Frontiers in Oncology</i> , 2019, 9, 174.	1.3	85
8	Translational research platforms integrating clinical and omics data: a review of publicly available solutions. <i>Briefings in Bioinformatics</i> , 2015, 16, 280-290.	3.2	84
9	Natural language processing of radiology reports for the detection of thromboembolic diseases and clinically relevant incidental findings. <i>BMC Bioinformatics</i> , 2014, 15, 266.	1.2	81
10	Investigating subsumption in SNOMED CT: An exploration into large description logic-based biomedical terminologies. <i>Artificial Intelligence in Medicine</i> , 2007, 39, 183-195.	3.8	76
11	Association Between FIASMAs and Reduced Risk of Intubation or Death in Individuals Hospitalized for Severe COVID-19: An Observational Multicenter Study. <i>Clinical Pharmacology and Therapeutics</i> , 2021, 110, 1498-1511.	2.3	59
12	Natural Language Processing for Rapid Response to Emergent Diseases: Case Study of Calcium Channel Blockers and Hypertension in the COVID-19 Pandemic. <i>Journal of Medical Internet Research</i> , 2020, 22, e20773.	2.1	55
13	The Georges Pompidou University Hospital Clinical Data Warehouse: A 8-years follow-up experience. <i>International Journal of Medical Informatics</i> , 2017, 102, 21-28.	1.6	52
14	A transversal approach to predict gene product networks from ontology-based similarity. <i>BMC Bioinformatics</i> , 2007, 8, 235.	1.2	51
15	Phenome-Wide Association Studies on a Quantitative Trait: Application to TPMT Enzyme Activity and Thiopurine Therapy in Pharmacogenomics. <i>PLoS Computational Biology</i> , 2013, 9, e1003405.	1.5	50
16	Desiderata for domain reference ontologies in biomedicine. <i>Journal of Biomedical Informatics</i> , 2006, 39, 307-313.	2.5	47
17	Modelling a decision-support system for oncology using rule-based and case-based reasoning methodologies. <i>International Journal of Medical Informatics</i> , 2005, 74, 299-306.	1.6	45
18	Automated Classification of Free-text Pathology Reports for Registration of Incident Cases of Cancer. <i>Methods of Information in Medicine</i> , 2012, 51, 242-251.	0.7	43

#	ARTICLE	IF	CITATIONS
19	Improving a full-text search engine: the importance of negation detection and family history context to identify cases in a biomedical data warehouse. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2017, 24, 607-613.	2.2	40
20	Mining Patients' Narratives in Social Media for Pharmacovigilance: Adverse Effects and Misuse of Methylphenidate. <i>Frontiers in Pharmacology</i> , 2018, 9, 541.	1.6	39
21	A unified structural/terminological interoperability framework based on LexEVS: application to TRANSFoRm. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2013, 20, 986-994.	2.2	37
22	Electronic health records for the diagnosis of rare diseases. <i>Kidney International</i> , 2020, 97, 676-686.	2.6	37
23	Reorganisation of GP surgeries during the COVID-19 outbreak: analysis of guidelines from 15 countries. <i>BMC Family Practice</i> , 2021, 22, 96.	2.9	35
24	International Analysis of Electronic Health Records of Children and Youth Hospitalized With COVID-19 Infection in 6 Countries. <i>JAMA Network Open</i> , 2021, 4, e2112596.	2.8	33
25	Finding patients using similarity measures in a rare diseases-oriented clinical data warehouse: Dr. Warehouse and the needle in the needle stack. <i>Journal of Biomedical Informatics</i> , 2017, 73, 51-61.	2.5	31
26	Filtering Entities to Optimize Identification of Adverse Drug Reaction From Social Media: How Can the Number of Words Between Entities in the Messages Help?. <i>JMIR Public Health and Surveillance</i> , 2017, 3, e36.	1.2	31
27	Non-lexical approaches to identifying associative relations in the gene ontology. <i>Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing</i> , 2005, , 91-102.	0.7	31
28	Clinical Data Integration Model. <i>Methods of Information in Medicine</i> , 2015, 54, 16-23.	0.7	30
29	Dexamethasone use and mortality in hospitalized patients with coronavirus disease 2019: A multicentre retrospective observational study. <i>British Journal of Clinical Pharmacology</i> , 2021, 87, 3766-3775.	1.1	30
30	Detection of Cases of Noncompliance to Drug Treatment in Patient Forum Posts: Topic Model Approach. <i>Journal of Medical Internet Research</i> , 2018, 20, e85.	2.1	29
31	Automatic concept extraction from spoken medical reports. <i>International Journal of Medical Informatics</i> , 2003, 70, 255-263.	1.6	28
32	A framework for validating AI in precision medicine: considerations from the European ITFoC consortium. <i>BMC Medical Informatics and Decision Making</i> , 2021, 21, 274.	1.5	28
33	Integrating Heterogeneous Biomedical Data for Cancer Research: the CARPEM infrastructure. <i>Applied Clinical Informatics</i> , 2016, 07, 260-274.	0.8	27
34	An ontological analysis of medical Bayesian indicators of performance. <i>Journal of Biomedical Semantics</i> , 2017, 8, 1.	0.9	27
35	The Diagnosis-Wide Landscape of Hospital-Acquired AKI. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2017, 12, 874-884.	2.2	27
36	Next generation phenotyping using narrative reports in a rare disease clinical data warehouse. <i>Orphanet Journal of Rare Diseases</i> , 2018, 13, 85.	1.2	27

#	ARTICLE	IF	CITATIONS
37	Assessing the consistency of a biomedical terminology through lexical knowledge. <i>International Journal of Medical Informatics</i> , 2002, 67, 85-95.	1.6	26
38	Personalized and automated remote monitoring of atrial fibrillation. <i>Europace</i> , 2016, 18, 347-352.	0.7	26
39	Labeling for Big Data in radiation oncology: The Radiation Oncology Structures ontology. <i>PLoS ONE</i> , 2018, 13, e0191263.	1.1	26
40	UMLF: a unified medical lexicon for French. <i>International Journal of Medical Informatics</i> , 2005, 74, 119-124.	1.6	25
41	Exploring and visualizing multidimensional data in translational research platforms. <i>Briefings in Bioinformatics</i> , 2016, 18, bbw080.	3.2	25
42	eSource for clinical trials: Implementation and evaluation of a standards-based approach in a real world trial. <i>International Journal of Medical Informatics</i> , 2017, 106, 17-24.	1.6	24
43	A novel data-driven workflow combining literature and electronic health records to estimate comorbidities burden for a specific disease: a case study on autoimmune comorbidities in patients with celiac disease. <i>BMC Medical Informatics and Decision Making</i> , 2017, 17, 140.	1.5	24
44	The Role of Radiomics in Lung Cancer: From Screening to Treatment and Follow-Up. <i>Frontiers in Oncology</i> , 2021, 11, 603595.	1.3	23
45	Accuracy of claim data in the identification and classification of adults with congenital heart diseases in electronic medical records. <i>Archives of Cardiovascular Diseases</i> , 2019, 112, 31-43.	0.7	20
46	Collaborative environment for clinical reasoning and distance learning sessions. <i>International Journal of Medical Informatics</i> , 2003, 70, 345-351.	1.6	19
47	The Ontology-Epistemology Divide: A Case Study in Medical Terminology. , 2004, 2004, 185-195.		19
48	A method exploiting syntactic patterns and the UMLS semantics for aligning biomedical ontologies: The case of OBO disease ontologies. <i>International Journal of Medical Informatics</i> , 2007, 76, S353-S361.	1.6	18
49	Phenotypic similarity for rare disease: Ciliopathy diagnoses and subtyping. <i>Journal of Biomedical Informatics</i> , 2019, 100, 103308.	2.5	17
50	Hybrid Deep Learning for Medication-Related Information Extraction From Clinical Texts in French: MedExt Algorithm Development Study. <i>JMIR Medical Informatics</i> , 2021, 9, e17934.	1.3	17
51	Can reproducibility be improved in clinical natural language processing? A study of 7 clinical NLP suites. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2021, 28, 504-515.	2.2	17
52	Analyzing polysemous concepts from a clinical perspective: Application to auditing concept categorization in the UMLS. <i>Journal of Biomedical Informatics</i> , 2009, 42, 440-451.	2.5	16
53	The TRANSFoRm project: Experience and lessons learned regarding functional and interoperability requirements to support primary care. <i>Learning Health Systems</i> , 2018, 2, e10037.	1.1	16
54	Using Literature-Based Discovery to Explain Adverse Drug Effects. <i>Journal of Medical Systems</i> , 2016, 40, 185.	2.2	15

#	ARTICLE	IF	CITATIONS
55	Sex differences in antihypertensive treatment in France among 17â€š856 patients in a tertiary hypertension unit. <i>Journal of Hypertension</i> , 2018, 36, 939-946.	0.3	14
56	Concerns Discussed on Chinese and French Social Media During the COVID-19 Lockdown: Comparative Infodemiology Study Based on Topic Modeling. <i>JMIR Formative Research</i> , 2021, 5, e23593.	0.7	14
57	Aligning knowledge sources in the UMLS: methods, quantitative results, and applications. <i>Studies in Health Technology and Informatics</i> , 2004, 107, 327-31.	0.2	14
58	Association of Antihypertensive Agents with the Risk of In-Hospital Death in Patients with Covid-19. <i>Cardiovascular Drugs and Therapy</i> , 2022, 36, 483-488.	1.3	13
59	Interpretable Machine Learning Model for Locoregional Relapse Prediction in Oropharyngeal Cancers. <i>Cancers</i> , 2021, 13, 57.	1.7	13
60	A unified representation of findings in clinical radiology using the UMLS and DICOM. <i>International Journal of Medical Informatics</i> , 2008, 77, 621-629.	1.6	12
61	Partnering with patients in translational oncology research: ethical approach. <i>Journal of Translational Medicine</i> , 2017, 15, 74.	1.8	12
62	Combining evidence, biomedical literature and statistical dependence: new insights for functional annotation of gene sets. <i>BMC Bioinformatics</i> , 2006, 7, 241.	1.2	11
63	Mapping data elements to terminological resources for integrating biomedical data sources. <i>BMC Bioinformatics</i> , 2006, 7, S6.	1.2	11
64	GO2PUB: Querying PubMed with semantic expansion of gene ontology terms. <i>Journal of Biomedical Semantics</i> , 2012, 3, 7.	0.9	11
65	Administrative health databases for addressing emerging issues in adults with CHD: a systematic review. <i>Cardiology in the Young</i> , 2018, 28, 844-853.	0.4	11
66	Low-income neighbourhood was a key determinant of severe COVID-19 incidence during the first wave of the epidemic in Paris. <i>Journal of Epidemiology and Community Health</i> , 2021, 75, 1143-1146.	2.0	11
67	Automatic computation of CHA2DS2-VASc score: information extraction from clinical texts for thromboembolism risk assessment. <i>AMIA ... Annual Symposium proceedings</i> , 2011, 2011, 501-10.	0.2	11
68	Developing the ontological foundations of a terminological system for end-stage diseases, organ failure, dialysis and transplantation. <i>International Journal of Medical Informatics</i> , 2003, 70, 317-328.	1.6	10
69	Descriptions of Adverse Drug Reactions Are Less Informative in Forums Than in the French Pharmacovigilance Database but Provide More Unexpected Reactions. <i>Frontiers in Pharmacology</i> , 2018, 9, 439.	1.6	10
70	Amplification of Terminologia anatomica by French language terms using Latin terms matching algorithm: A prototype for other language. <i>International Journal of Medical Informatics</i> , 2006, 75, 542-552.	1.6	9
71	Leveraging the EHR4CR platform to support patient inclusion in academic studies: challenges and lessons learned. <i>BMC Medical Research Methodology</i> , 2017, 17, 36.	1.4	9
72	Comparison of methods for early-readmission prediction in a high-dimensional heterogeneous covariates and time-to-event outcome framework. <i>BMC Medical Research Methodology</i> , 2019, 19, 50.	1.4	9

#	ARTICLE	IF	CITATIONS
73	Parents' views on artificial intelligence for the daily management of childhood asthma: a survey. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2021, 9, 1728-1730.e3.	2.0	9
74	Integration of elicited expert information via a power prior in Bayesian variable selection: Application to colon cancer data. <i>Statistical Methods in Medical Research</i> , 2020, 29, 541-567.	0.7	8
75	Reviewing 741 patients records in two hours with FASTVISU. <i>AMIA ... Annual Symposium proceedings</i> , 2015, 2015, 553-9.	0.2	8
76	Problem-based learning in medical informatics for undergraduate medical students: An experiment in two medical schools. <i>International Journal of Medical Informatics</i> , 2006, 75, 396-402.	1.6	7
77	Facing new challenges to informed consent processes in the context of translational research: the case in CARPEM consortium. <i>BMC Medical Ethics</i> , 2021, 22, 21.	1.0	7
78	The Adverse Drug Reactions From Patient Reports in Social Media Project: Protocol for an Evaluation Against a Gold Standard. <i>JMIR Research Protocols</i> , 2019, 8, e11448.	0.5	7
79	Issues in the classification of disease instances with ontologies. <i>Studies in Health Technology and Informatics</i> , 2005, 116, 695-700.	0.2	7
80	Evaluation of WordNet as a source of lay knowledge for molecular biology and genetic diseases: a feasibility study. <i>Studies in Health Technology and Informatics</i> , 2003, 95, 379-84.	0.2	7
81	Deep Neural Networks for Simultaneously Capturing Public Topics and Sentiments During a Pandemic: Application on a COVID-19 Tweet Data Set. <i>JMIR Medical Informatics</i> , 2022, 10, e34306.	1.3	7
82	Integrating Multimodal Radiation Therapy Data into i2b2. <i>Applied Clinical Informatics</i> , 2018, 09, 377-390.	0.8	6
83	What can millions of laboratory test results tell us about the temporal aspect of data quality? Study of data spanning 17 years in a clinical data warehouse. <i>Computer Methods and Programs in Biomedicine</i> , 2019, 181, 104825.	2.6	6
84	Integrating biological pathways in disease ontologies. <i>Studies in Health Technology and Informatics</i> , 2007, 129, 791-5.	0.2	6
85	Mining Adverse Drug Reactions in Social Media with Named Entity Recognition and Semantic Methods. <i>Studies in Health Technology and Informatics</i> , 2017, 245, 322-326.	0.2	6
86	Integrating clinical, gene expression, protein expression and preanalytical data for in silico cancer research. <i>Studies in Health Technology and Informatics</i> , 2008, 136, 455-60.	0.2	5
87	Artificial intelligence in oncology. , 2021, , 361-381.		4
88	A framework for comparing phenotype annotations of orthologous genes. <i>Studies in Health Technology and Informatics</i> , 2010, 160, 1309-13.	0.2	4
89	Evidence in pharmacovigilance: extracting adverse drug reactions articles from MEDLINE to link them to case databases. <i>Studies in Health Technology and Informatics</i> , 2006, 124, 528-33.	0.2	4
90	Evaluation of Internet Social Networks using Net scoring Tool: A Case Study in Adverse Drug Reaction Mining. <i>Studies in Health Technology and Informatics</i> , 2015, 210, 526-30.	0.2	4

#	ARTICLE	IF	CITATIONS
91	OWL model of clinical trial eligibility criteria compatible with partially-known information. Journal of Biomedical Semantics, 2013, 4, 17.	0.9	3
92	An Ontology-Based Annotation of Cardiac Implantable Electronic Devices to Detect Therapy Changes in a National Registry. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 971-978.	3.9	3
93	Detailed clinical modelling approach to data extraction from heterogeneous data sources for clinical research. AMIA Summits on Translational Science Proceedings, 2014, 2014, 55-9.	0.4	3
94	Combining biomedical knowledge and transcriptomic data to extract new knowledge on genes. Journal of Integrative Bioinformatics, 2006, 3, 162-176.	1.0	2
95	Towards the automatic generation of biomedical sources schema. Studies in Health Technology and Informatics, 2004, 107, 783-7.	0.2	2
96	Determining the Set of Items to Include in Breast Operative Reports, Using Clustering Algorithms on Retrospective Data Extracted from Clinical DataWarehouse. Studies in Health Technology and Informatics, 2022, , .	0.2	2
97	Iron-related transcriptomic variations in Caco-2 cells: In silico perspectives. Biochimie, 2008, 90, 669-678.	1.3	1
98	The Epidemiology of Patients' Email Addresses in a French University Hospital: Case-Control Study. Journal of Medical Internet Research, 2021, 23, e13992.	2.1	1
99	Looking for Anemia (and Other Disorders) in SNOMED CT: Comparison of Three Approaches and Practical Implications. AMIA ... Annual Symposium proceedings, 2010, 2010, 527-31.	0.2	1
100	Toward a unified representation of findings in clinical radiology. Studies in Health Technology and Informatics, 2005, 116, 671-6.	0.2	1
101	Aligning biomedical ontologies using lexical methods and the UMLS: the case of disease ontologies. Studies in Health Technology and Informatics, 2006, 124, 781-6.	0.2	1
102	Proposal for a European Public Health Research Infrastructure for Sharing of health and Medical administrative data (PHRIMA). Studies in Health Technology and Informatics, 2015, 216, 1005.	0.2	1
103	The Need of an Open Data Quality Policy: The Case of the "Transparency - Health" Database in the Prevention of Conflict of Interest. Studies in Health Technology and Informatics, 2018, 247, 611-615.	0.2	1
104	Mining Electronic Health Records for Drugs Associated With 28-day Mortality in COVID-19: Pharmacopoeia-wide Association Study (PharmWAS). JMIR Medical Informatics, 2022, 10, e35190.	1.3	1
105	Using Deep Learning to Improve Phenotyping from Clinical Reports. Studies in Health Technology and Informatics, 2022, , .	0.2	1
106	Design of an Ontology-Based Triage System for Patients with Chronic Pain. Studies in Health Technology and Informatics, 2022, , .	0.2	1
107	Healthcare trajectory of children with rare bone disease attending pediatric emergency departments. Orphanet Journal of Rare Diseases, 2020, 15, 2.	1.2	0
108	A COVID-19 Decision Support System for Phone Call Triage, Designed by and for Medical Students. Studies in Health Technology and Informatics, 2021, 281, 525-529.	0.2	0

#	ARTICLE	IF	CITATIONS
109	Diagnostic Plasma-Derived Proteomic Biomarkers of Aggressive Diffuse Large B-Cell Lymphoma: Preliminary Data Based On the 075 French GEOLAMS Multicentric and Prospective Trial.. Blood, 2009, 114, 2933-2933.	0.6	0
110	Creating a magnetic resonance imaging ontology. Studies in Health Technology and Informatics, 2011, 169, 784-8.	0.2	0
111	An Interactive Interface for Displaying Recommendations on Emergency Phone Triage in Pediatrics. Studies in Health Technology and Informatics, 2022, , .	0.2	0
112	Towards a Clinical Decision Support System for Helping Medical Students in Emergency Call Centers. Studies in Health Technology and Informatics, 2022, , .	0.2	0