

# Anita Burgun

## List of Publications by Year in descending order

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112  
papers

2,936  
citations

201575

27  
h-index

214721

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. Journal of the American Medical Informatics Association: JAMIA, 2017, 24, 607-613.	2.2	40
20	Mining Patients' Narratives in Social Media for Pharmacovigilance: Adverse Effects and Misuse of Methylphenidate. Frontiers in Pharmacology, 2018, 9, 541.	1.6	39
21	A unified structural/terminological interoperability framework based on LexEVS: application to TRANSFoRm. Journal of the American Medical Informatics Association: JAMIA, 2013, 20, 986-994.	2.2	37
22	Electronic health records for the diagnosis of rare diseases. Kidney International, 2020, 97, 676-686.	2.6	37
23	Reorganisation of GP surgeries during the COVID-19 outbreak: analysis of guidelines from 15 countries. BMC Family Practice, 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. JAMA Network Open, 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. Journal of Biomedical Informatics, 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?. JMIR Public Health and Surveillance, 2017, 3, e36.	1.2	31
27	Non-lexical approaches to identifying associative relations in the gene ontology. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2005, , 91-102.	0.7	31
28	Clinical Data Integration Model. Methods of Information in Medicine, 2015, 54, 16-23.	0.7	30
29	Dexamethasone use and mortality in hospitalized patients with coronavirus disease 2019: A multicentre retrospective observational study. British Journal of Clinical Pharmacology, 2021, 87, 3766-3775.	1.1	30
30	Detection of Cases of Noncompliance to Drug Treatment in Patient Forum Posts: Topic Model Approach. Journal of Medical Internet Research, 2018, 20, e85.	2.1	29
31	Automatic concept extraction from spoken medical reports. International Journal of Medical Informatics, 2003, 70, 255-263.	1.6	28
32	A framework for validating AI in precision medicine: considerations from the European ITFoC consortium. BMC Medical Informatics and Decision Making, 2021, 21, 274.	1.5	28
33	Integrating Heterogeneous Biomedical Data for Cancer Research: the CARPEM infrastructure. Applied Clinical Informatics, 2016, 07, 260-274.	0.8	27
34	An ontological analysis of medical Bayesian indicators of performance. Journal of Biomedical Semantics, 2017, 8, 1.	0.9	27
35	The Diagnosis-Wide Landscape of Hospital-Acquired AKI. Clinical Journal of the American Society of Nephrology: CJASN, 2017, 12, 874-884.	2.2	27
36	Next generation phenotyping using narrative reports in a rare disease clinical data warehouse. Orphanet Journal of Rare Diseases, 2018, 13, 85.	1.2	27

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37	Assessing the consistency of a biomedical terminology through lexical knowledge. International Journal of Medical Informatics, 2002, 67, 85-95.	1.6	26
38	Personalized and automated remote monitoring of atrial fibrillation. Europace, 2016, 18, 347-352.	0.7	26
39	Labeling for Big Data in radiation oncology: The Radiation Oncology Structures ontology. PLoS ONE, 2018, 13, e0191263.	1.1	26
40	UMLF: a unified medical lexicon for French. International Journal of Medical Informatics, 2005, 74, 119-124.	1.6	25
41	Exploring and visualizing multidimensional data in translational research platforms. Briefings in Bioinformatics, 2016, 18, bbw080.	3.2	25
42	eSource for clinical trials: Implementation and evaluation of a standards-based approach in a real world trial. International Journal of Medical Informatics, 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. BMC Medical Informatics and Decision Making, 2017, 17, 140.	1.5	24
44	The Role of Radiomics in Lung Cancer: From Screening to Treatment and Follow-Up. Frontiers in Oncology, 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. Archives of Cardiovascular Diseases, 2019, 112, 31-43.	0.7	20
46	Collaborative environment for clinical reasoning and distance learning sessions. International Journal of Medical Informatics, 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. International Journal of Medical Informatics, 2007, 76, S353-S361.	1.6	18
49	Phenotypic similarity for rare disease: Ciliopathy diagnoses and subtyping. Journal of Biomedical Informatics, 2019, 100, 103308.	2.5	17
50	Hybrid Deep Learning for Medication-Related Information Extraction From Clinical Texts in French: MedExt Algorithm Development Study. JMIR Medical Informatics, 2021, 9, e17934.	1.3	17
51	Can reproducibility be improved in clinical natural language processing? A study of 7 clinical NLP suites. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 504-515.	2.2	17
52	Analyzing polysemous concepts from a clinical perspective: Application to auditing concept categorization in the UMLS. Journal of Biomedical Informatics, 2009, 42, 440-451.	2.5	16
53	The TRANSFoRm project: Experience and lessons learned regarding functional and interoperability requirements to support primary care. Learning Health Systems, 2018, 2, e10037.	1.1	16
54	Using Literature-Based Discovery to Explain Adverse Drug Effects. Journal of Medical Systems, 2016, 40, 185.	2.2	15

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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

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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

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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

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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