Anita Burgun

List of Publications by Citations

111 papers	1,836 citations	22 h-index	38 g-index
130 ext. papers	2,462 ext. citations	4.3 avg, IF	5 L-index

#	Paper	IF	Citations
111	Big Data and machine learning in radiation oncology: State of the art and future prospects. *Cancer Letters*, **2016**, 382, 110-117	9.9	163
110	Association between antidepressant use and reduced risk of intubation or death in hospitalized patients with COVID-19: results from an observational study. *Molecular Psychiatry*, **2021**, 26, 5199-5212	15.1	96
109	Deep Learning and Radiomics predict complete response after neo-adjuvant chemoradiation for locally advanced rectal cancer. *Scientific Reports*, **2018**, 8, 12611	4.9	88
108	Translational research platforms integrating clinical and omics data: a review of publicly available solutions. *Briefings in Bioinformatics*, **2015**, 16, 280-90	13.4	69
107	Adverse Drug Reaction Identification and Extraction in Social Media: A Scoping Review. *Journal of Medical Internet Research*, **2015**, 17, e171	7.6	68
106	Investigating subsumption in SNOMED CT: an exploration into large description logic-based biomedical terminologies. *Artificial Intelligence in Medicine*, **2007**, 39, 183-95	7.4	64
105	International electronic health record-derived COVID-19 clinical course profiles: the 4CE consortium. *Npj Digital Medicine*, **2020**, 3, 109	15.7	61
104	Radiomics and Machine Learning for Radiotherapy in Head and Neck Cancers. *Frontiers in Oncology*, **2019**, 9, 174	5.3	53
103	Natural language processing of radiology reports for the detection of thromboembolic diseases and clinically relevant incidental findings. *BMC Bioinformatics*, **2014**, 15, 266	3.6	53
102	A clinician friendly data warehouse oriented toward narrative reports: Dr. Warehouse. *Journal of Biomedical Informatics*, **2018**, 80, 52-63	10.2	45
101	Phenome-wide association studies on a quantitative trait: application to TPMT enzyme activity and thiopurine therapy in pharmacogenomics. *PLoS Computational Biology*, **2013**, 9, e1003405	5	43
100	A transversal approach to predict gene product networks from ontology-based similarity. *BMC Bioinformatics*, **2007**, 8, 235	3.6	43
99	The Georges Pompidou University Hospital Clinical Data Warehouse: A 8-years follow-up experience. *International Journal of Medical Informatics*, **2017**, 102, 21-28	5.3	39
98	Desiderata for domain reference ontologies in biomedicine. *Journal of Biomedical Informatics*, **2006**, 39, 307-13	10.2	35
97	Association Between FIASMAs and Reduced Risk of Intubation or Death in Individuals Hospitalized for Severe COVID-19: An Observational Multicenter Study. *Clinical Pharmacology and Therapeutics*, **2021**, 110, 1498-1511	6.1	34
96	Automated classification of free-text pathology reports for registration of incident cases of cancer. *Methods of Information in Medicine*, **2012**, 51, 242-51	1.5	32
95	A unified structural/terminological interoperability framework based on LexEVS: application to TRANSFoRm. *Journal of the American Medical Informatics Association: JAMIA*, **2013**, 20, 986-94	8.6	32

94	Modelling a decision-support system for oncology using rule-based and case-based reasoning methodologies. *International Journal of Medical Informatics*, **2005**, 74, 299-306	5.3	31
93	Non-lexical approaches to identifying associative relations in the gene ontology. *Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing*, **2005**, 91-102	1.3	31
92	Natural Language Processing for Rapid Response to Emergent Diseases: Case Study of Calcium Channel Blockers and Hypertension in the COVID-19 Pandemic. *Journal of Medical Internet Research* , **2020**, 22, e20773	7.6	30
91	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	8.6	24
90	Clinical data integration model. Core interoperability ontology for research using primary care data. *Methods of Information in Medicine*, **2015**, 54, 16-23	1.5	24
89	Integrating Heterogeneous Biomedical Data for Cancer Research: the CARPEM infrastructure. *Applied Clinical Informatics*, **2016**, 7, 260-74	3.1	22
88	Assessing the consistency of a biomedical terminology through lexical knowledge. *International Journal of Medical Informatics*, **2002**, 67, 85-95	5.3	21
87	Automatic concept extraction from spoken medical reports. *International Journal of Medical Informatics*, **2003**, 70, 255-63	5.3	21
86	Exploring and visualizing multidimensional data in translational research platforms. *Briefings in Bioinformatics*, **2017**, 18, 1044-1056	13.4	20
85	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	10.2	20
84	UMLF: a unified medical lexicon for French. *International Journal of Medical Informatics*, **2005**, 74, 119-24	5.3	19
83	Mining PatientsSNarratives in Social Media for Pharmacovigilance: Adverse Effects and Misuse of Methylphenidate. *Frontiers in Pharmacology*, **2018**, 9, 541	5.6	18
82	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	3.6	18
81	The Ontology-Epistemology Divide: A Case Study in Medical Terminology **2004**, 2004, 185-195		18
80	The Diagnosis-Wide Landscape of Hospital-Acquired AKI. *Clinical Journal of the American Society of Nephrology: CJASN*, **2017**, 12, 874-884	6.9	17
79	Electronic health records for the diagnosis of rare diseases. *Kidney International*, **2020**, 97, 676-686	9.9	17
78	Personalized and automated remote monitoring of atrial fibrillation. *Europace*, **2016**, 18, 347-52	3.9	17
77	Next generation phenotyping using narrative reports in a rare disease clinical data warehouse. *Orphanet Journal of Rare Diseases*, **2018**, 13, 85	4.2	17

76	Detection of Cases of Noncompliance to Drug Treatment in Patient Forum Posts: Topic Model Approach. *Journal of Medical Internet Research*, **2018**, 20, e85	7.6	17
75	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	5.3	15
74	The TRANSFoRm project: Experience and lessons learned regarding functional and interoperability requirements to support primary care. *Learning Health Systems*, **2018**, 2, e10037	3	14
73	Collaborative environment for clinical reasoning and distance learning sessions. *International Journal of Medical Informatics*, **2003**, 70, 345-51	5.3	14
72	Aligning knowledge sources in the UMLS: methods, quantitative results, and applications. *Studies in Health Technology and Informatics*, **2004**, 107, 327-31	0.5	14
71	An ontological analysis of medical Bayesian indicators of performance. *Journal of Biomedical Semantics*, **2017**, 8, 1	2.2	13
70	Using Literature-Based Discovery to Explain Adverse Drug Effects. *Journal of Medical Systems*, **2016** , 40, 185	5.1	13
69	Labeling for Big Data in radiation oncology: The Radiation Oncology Structures ontology. *PLoS ONE* , **2018**, 13, e0191263	3.7	13
68	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	11.4	13
67	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	3.8	13
66	Analyzing polysemous concepts from a clinical perspective: application to auditing concept categorization in the UMLS. *Journal of Biomedical Informatics*, **2009**, 42, 440-51	10.2	12
65	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 Suppl 3, S353-61	5.3	12
64	International Analysis of Electronic Health Records of Children and Youth Hospitalized With COVID-19 Infection in 6 Countries. *JAMA Network Open*, **2021**, 4, e2112596	10.4	12
63	Combining evidence, biomedical literature and statistical dependence: new insights for functional annotation of gene sets. *BMC Bioinformatics*, **2006**, 7, 241	3.6	11
62	Automatic computation of CHA2DS2-VASc score: information extraction from clinical texts for thromboembolism risk assessment **2011**, 2011, 501-10	0.7	11
61	A unified representation of findings in clinical radiology using the UMLS and DICOM. *International Journal of Medical Informatics*, **2008**, 77, 621-9	5.3	10
60	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	2.7	10
59	GO2PUB: Querying PubMed with semantic expansion of gene ontology terms. *Journal of Biomedical Semantics*, **2012**, 3, 7	2.2	9

58	Sex differences in antihypertensive treatment in France among 17 856 patients in a tertiary hypertension unit. *Journal of Hypertension*, **2018**, 36, 939-946	1.9	8
57	Developing the ontological foundations of a terminological system for end-stage diseases, organ failure, dialysis and transplantation. *International Journal of Medical Informatics*, **2003**, 70, 317-28	5.3	8
56	Reviewing 741 patients records in two hours with FASTVISU **2015**, 2015, 553-9	0.7	8
55	Administrative health databases for addressing emerging issues in adults with CHD: a systematic review. *Cardiology in the Young*, **2018**, 28, 844-853	1	8
54	Descriptions of Adverse Drug Reactions Are Less Informative in Forums Than in the French Pharmacovigilance Database but Provide More Unexpected Reactions. *Frontiers in Pharmacology*, **2018**, 9, 439	5.6	7
53	Phenotypic similarity for rare disease: Ciliopathy diagnoses and subtyping. *Journal of Biomedical Informatics*, **2019**, 100, 103308	10.2	7
52	Leveraging the EHR4CR platform to support patient inclusion in academic studies: challenges and lessons learned. *BMC Medical Research Methodology*, **2017**, 17, 36	4.7	7
51	Partnering with patients in translational oncology research: ethical approach. *Journal of Translational Medicine*, **2017**, 15, 74	8.5	7
50	Amplification of Terminologia anatomica by French language terms using Latin terms matching algorithm: a prototype for other language. *International Journal of Medical Informatics*, **2006**, 75, 542-52	5.3	7
49	Mapping data elements to terminological resources for integrating biomedical data sources. *BMC Bioinformatics*, **2006**, 7 Suppl 3, S6	3.6	7
48	Evaluation of WordNet as a source of lay knowledge for molecular biology and genetic diseases: a feasibility study. *Studies in Health Technology and Informatics*, **2003**, 95, 379-84	0.5	7
47	Reorganisation of GP surgeries during the COVID-19 outbreak: analysis of guidelines from 15 countries. *BMC Family Practice*, **2021**, 22, 96	2.6	7
46	Issues in the classification of disease instances with ontologies. *Studies in Health Technology and Informatics*, **2005**, 116, 695-700	0.5	6
45	Hybrid Deep Learning for Medication-Related Information Extraction From Clinical Texts in French: MedExt Algorithm Development Study (Preprint)		6
44	Hybrid Deep Learning for Medication-Related Information Extraction From Clinical Texts in French: MedExt Algorithm Development Study. *JMIR Medical Informatics*, **2021**, 9, e17934	3.6	6
43	Integrating biological pathways in disease ontologies. *Studies in Health Technology and Informatics*, **2007**, 129, 791-5	0.5	6
42	Mining Adverse Drug Reactions in Social Media with Named Entity Recognition and Semantic Methods. *Studies in Health Technology and Informatics*, **2017**, 245, 322-326	0.5	6
41	Problem-based learning in medical informatics for undergraduate medical students: an experiment in two medical schools. *International Journal of Medical Informatics*, **2006**, 75, 396-402	5.3	5

40	The Role of Radiomics in Lung Cancer: From Screening to Treatment and Follow-Up. *Frontiers in Oncology*, **2021**, 11, 603595	5.3	5
39	Association of Antihypertensive Agents with the Risk of In-Hospital Death in Patients with Covid-19. *Cardiovascular Drugs and Therapy*, **2021**, 1	3.9	4
38	Integrating Multimodal Radiation Therapy Data into i2b2. *Applied Clinical Informatics*, **2018**, 9, 377-390	3.1	4
37	Integrating clinical, gene expression, protein expression and preanalytical data for in silico cancer research. *Studies in Health Technology and Informatics*, **2008**, 136, 455-60	0.5	4
36	A framework for comparing phenotype annotations of orthologous genes. *Studies in Health Technology and Informatics*, **2010**, 160, 1309-13	0.5	3
35	The Adverse Drug Reactions From Patient Reports in Social Media Project: Protocol for an Evaluation Against a Gold Standard. *JMIR Research Protocols*, **2019**, 8, e11448	2	3
34	Interpretable Machine Learning Model for Locoregional Relapse Prediction in Oropharyngeal Cancers. *Cancers*, **2020**, 13,	6.6	3
33	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	8.6	3
32	Concerns Discussed on Chinese and French Social Media During the COVID-19 Lockdown: Comparative Infodemiology Study Based on Topic Modeling. *JMIR Formative Research*, **2021**, 5, e23593	2.5	3
31	Evidence in pharmacovigilance: extracting adverse drug reactions articles from MEDLINE to link them to case databases. *Studies in Health Technology and Informatics*, **2006**, 124, 528-33	0.5	3
30	Evaluation of Internet Social Networks using Net scoring Tool: A Case Study in Adverse Drug Reaction Mining. *Studies in Health Technology and Informatics*, **2015**, 210, 526-30	0.5	3
29	OWL model of clinical trial eligibility criteria compatible with partially-known information. *Journal of Biomedical Semantics*, **2013**, 4, 17	2.2	2
28	Combining biomedical knowledge and transcriptomic data to extract new knowledge on genes. *Journal of Integrative Bioinformatics*, **2006**, 3, 162-176	3.8	2
27	Detailed clinical modelling approach to data extraction from heterogeneous data sources for clinical research. *AMIA Summits on Translational Science Proceedings*, **2014**, 2014, 55-9	1.1	2
26	A framework for validating AI in precision medicine: considerations from the European ITFoC consortium. *BMC Medical Informatics and Decision Making*, **2021**, 21, 274	3.6	2
25	Association of antihypertensive agents with the risk of in-hospital death in patients with Covid-19		2
24	Low-income neighbourhood was a key determinant of severe COVID-19 incidence during the first wave of the epidemic in Paris. *Journal of Epidemiology and Community Health*, **2021**, 75, 1143-1146	5.1	2
23	Integration of elicited expert information via a power prior in Bayesian variable selection: Application to colon cancer data. *Statistical Methods in Medical Research*, **2020**, 29, 541-567	2.3	2

22	Towards the automatic generation of biomedical sources schema. *Studies in Health Technology and Informatics*, **2004**, 107, 783-7	0.5	2
21	Comparison of methods for early-readmission prediction in a high-dimensional heterogeneous covariates and time-to-event outcome framework. *BMC Medical Research Methodology*, **2019**, 19, 50	4.7	1
20	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, 971-8	7.2	1
19	Iron-related transcriptomic variations in Caco-2 cells: in silico perspectives. *Biochimie*, **2008**, 90, 669-78	4.6	1
18	Looking for Anemia (and Other Disorders) in SNOMED CT: Comparison of Three Approaches and Practical Implications **2010**, 2010, 527-31	0.7	1
17	COVID-19, a social disease in Paris: a socio-economic wide association study on hospitalized patients highlights low-income neighbourhood as a key determinant of severe COVID-19 incidence during the first wave of the epidemic		1
16	Facing new challenges to informed consent processes in the context of translational research: the case in CARPEM consortium. *BMC Medical Ethics*, **2021**, 22, 21	2.9	1
15	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. *Computer Methods and Programs in Biomedicine*, **2019**, 181, 104825	6.9	1
14	ParentsSviews on artificial intelligence for the daily management of childhood asthma: a survey. *Journal of Allergy and Clinical Immunology: in Practice*, **2021**, 9, 1728-1730.e3	5.4	1
13	Aligning biomedical ontologies using lexical methods and the UMLS: the case of disease ontologies. *Studies in Health Technology and Informatics*, **2006**, 124, 781-6	0.5	1
12	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	0.5	1
11	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	0.5	1
10	Toward a unified representation of findings in clinical radiology. *Studies in Health Technology and Informatics*, **2005**, 116, 671-6	0.5	0
9	Creating a magnetic resonance imaging ontology. *Studies in Health Technology and Informatics*, **2011**, 169, 784-8	0.5	
8	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	2.2	
7	Healthcare trajectory of children with rare bone disease attending pediatric emergency departments. *Orphanet Journal of Rare Diseases*, **2020**, 15, 2	4.2	
6	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	0.5	
5	Artificial intelligence in oncology **2021**, 361-381		

4	The Epidemiology of PatientsSEmail Addresses in a French University Hospital: Case-Control Study. *Journal of Medical Internet Research*, **2021**, 23, e13992	7.6
3	Using Deep Learning to Improve Phenotyping from Clinical Reports. *Studies in Health Technology and Informatics*, **2022**,	0.5
2	Design of an Ontology-Based Triage System for Patients with Chronic Pain. *Studies in Health Technology and Informatics*, **2022**,	0.5
1	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**,	0.5