

Carlos Sez

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39
papers

277
citations

11
h-index

14
g-index

48
ext. papers

394
ext. citations

4.6
avg. IF

3.69
L-index

#	Paper	IF	Citations
39	An HL7-CDA wrapper for facilitating semantic interoperability to rule-based Clinical Decision Support Systems. <i>Computer Methods and Programs in Biomedicine</i> , 2013 , 109, 239-49	6.9	25
38	Applying probabilistic temporal and multisite data quality control methods to a public health mortality registry in Spain: a systematic approach to quality control of repositories. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2016 , 23, 1085-1095	8.6	23
37	Stability metrics for multi-source biomedical data based on simplicial projections from probability distribution distances. <i>Statistical Methods in Medical Research</i> , 2017 , 26, 312-336	2.3	21
36	Potential limitations in COVID-19 machine learning due to data source variability: A case study in the nCov2019 dataset. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2021 , 28, 360-364	8.6	19
35	Compatibility between 3T 1H SV-MRS data and automatic brain tumour diagnosis support systems based on databases of 1.5T 1H SV-MRS spectra. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2011 , 24, 35-42	2.8	16
34	Kinematics of Big Biomedical Data to characterize temporal variability and seasonality of data repositories: Functional Data Analysis of data temporal evolution over non-parametric statistical manifolds. <i>International Journal of Medical Informatics</i> , 2018 , 119, 109-124	5.3	14
33	Probabilistic change detection and visualization methods for the assessment of temporal stability in biomedical data quality. <i>Data Mining and Knowledge Discovery</i> , 2015 , 29, 950-975	5.6	13
32	Smart Pharmaceutical Manufacturing: Ensuring End-to-End Traceability and Data Integrity in Medicine Production. <i>Big Data Research</i> , 2021 , 24, 100172	3.7	13
31	An Adaptive Security Model for Multi-agent Systems and Application to a Clinical Trials Environment. <i>Proceedings - IEEE Computer Society's International Computer Software and Applications Conference</i> , 2007 ,		12
30	Organizing data quality assessment of shifting biomedical data. <i>Studies in Health Technology and Informatics</i> , 2012 , 180, 721-5	0.5	12
29	Robust association between vascular habitats and patient prognosis in glioblastoma: An international multicenter study. <i>Journal of Magnetic Resonance Imaging</i> , 2020 , 51, 1478-1486	5.6	11
28	EHRtemporalVariability: delineating temporal data-set shifts in electronic health records. <i>GigaScience</i> , 2020 , 9,	7.6	11
27	Knowledge-Based Personal Health System to empower outpatients of diabetes mellitus by means of P4 Medicine. <i>Methods in Molecular Biology</i> , 2015 , 1246, 237-57	1.4	8
26	Smartphone Sensors for Monitoring Cancer-Related Quality of Life: App Design, EORTC QLQ-C30 Mapping and Feasibility Study in Healthy Subjects. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	7
25	Randomized pilot study and qualitative evaluation of a clinical decision support system for brain tumour diagnosis based on SV 1H MRS: evaluation as an additional information procedure for novice radiologists. <i>Computers in Biology and Medicine</i> , 2014 , 45, 26-33	7	7
24	A generic and extensible automatic classification framework applied to brain tumour diagnosis in HealthAgents. <i>Knowledge Engineering Review</i> , 2011 , 26, 283-301	2.1	7
23	Conceptual Graphs Based Information Retrieval in HealthAgents. <i>Proceedings of the IEEE Symposium on Computer-Based Medical Systems</i> , 2007 ,		5

22	Subgrouping Factors Influencing Migraine Intensity in Women: A Semi-automatic Methodology Based on Machine Learning and Information Geometry. <i>Pain Practice</i> , 2020 , 20, 297-309	3	5
21	Feature Extraction and Similarity of Movement Detection during Sleep, Based on Higher Order Spectra and Entropy of the Actigraphy Signal: Results of the Hispanic Community Health Study/Study of Latinos. <i>Sensors</i> , 2018 , 18,	3.8	5
20	Temporal variability analysis reveals biases in electronic health records due to hospital process reengineering interventions over seven years. <i>PLoS ONE</i> , 2019 , 14, e0220369	3.7	4
19	Construction of quality-assured infant feeding process of care data repositories: definition and design (Part 1). <i>Computers in Biology and Medicine</i> , 2015 , 67, 95-103	7	4
18	Comparative study of probability distribution distances to define a metric for the stability of multi-source biomedical research data. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2013 , 2013, 3226-9	0.9	4
17	The HealthAgents ontology: knowledge representation in a distributed decision support system for brain tumours. <i>Knowledge Engineering Review</i> , 2011 , 26, 303-328	2.1	4
16	Data-driven discovery of changes in clinical code usage over time: a case-study on changes in cardiovascular disease recording in two English electronic health records databases (2001-2015). <i>BMJ Open</i> , 2020 , 10, e034396	3	4
15	Robustness and Findings of a Web-Based System for Depression Assessment in a University Work Context. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	2
14	Construction of quality-assured infant feeding process of care data repositories: Construction of the perinatal repository (Part 2). <i>Computers in Biology and Medicine</i> , 2016 , 71, 214-22	7	2
13	A Security Model and its Application to a Distributed Decision Support System for Healthcare 2008 ,		2
12	Multi-parametric MR Imaging Biomarkers Associated to Clinical Outcomes in Gliomas: A Systematic Review. <i>Current Medical Imaging</i> , 2019 , 15, 933-947	1.2	2
11	Predicting morbidity by local similarities in multi-scale patient trajectories. <i>Journal of Biomedical Informatics</i> , 2021 , 120, 103837	10.2	2
10	A Standardized and Data Quality Assessed Maternal-Child Care Integrated Data Repository for Research and Monitoring of Best Practices: A Pilot Project in Spain. <i>Studies in Health Technology and Informatics</i> , 2017 , 235, 539-543	0.5	2
9	On the Implementation of HealthAgents: Agent-Based Brain Tumour Diagnosis 2007 , 5-24		1
8	Data-driven discovery of changes in clinical code usage over time: a case-study on changes in cardiovascular disease recording in two English electronic health records databases (2001-2015)		1
7	Genomics and Metabolomics Research for Brain Tumour Diagnosis Based on Machine Learning. <i>Lecture Notes in Computer Science</i> , 2007 , 1012-1019	0.9	1
6	Robust estimation of infant feeding indicators by data quality assessment of longitudinal electronic health records from birth up to 18 months of life. <i>Computer Methods and Programs in Biomedicine</i> , 2021 , 207, 106147	6.9	1
5	Multi-PheWAS intersection approach to identify sex differences across comorbidities in 59 140 pediatric patients with autism spectrum disorder. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2021 ,	8.6	1

4	Subphenotyping of COVID-19 patients at pre-admission towards anticipated severity stratification: an analysis of 778 692 Mexican patients through an age-sex unbiased meta-clustering technique.. <i>JMIR Public Health and Surveillance</i> , 2022 ,	11.4	1
3	Deep ensemble multitask classification of emergency medical call incidents combining multimodal data improves emergency medical dispatch. <i>Artificial Intelligence in Medicine</i> , 2021 , 117, 102088	7.4	0
2	Measuring Variability in Acute Myocardial Infarction Coding Using a Statistical Process Control and Probabilistic Temporal Data Quality Control Approaches. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 193-202	0.4	0
1	Quality of Hospital Electronic Health Record (EHR) Data Based on the International Consortium for Health Outcomes Measurement (ICHOM) in Heart Failure: Pilot Data Quality Assessment Study. <i>JMIR Medical Informatics</i> , 2021 , 9, e27842	3.6	0