

# Jose M Juarez

## List of Publications by Year in descending order

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58  
papers

551  
citations

759233

12  
h-index

713466

21  
g-index

63  
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63  
docs citations

63  
times ranked

625  
citing authors

#	ARTICLE	IF	CITATIONS
1	Using the Diagnostic Odds Ratio to Select Patterns to Build an Interpretable Pattern-Based Classifier in a Clinical Domain: Multivariate Sequential Pattern Mining Study. JMIR Medical Informatics, 2022, 10, e32319.	2.6	0
2	Seasonality in Infection Predictions Using Interpretable Models for High Dimensional Imbalanced Datasets. Lecture Notes in Computer Science, 2021, , 152-156.	1.3	1
3	A methodology based on Trace-based clustering for patient phenotyping. Knowledge-Based Systems, 2021, 232, 107469.	7.1	5
4	A methodology based on multiple criteria decision analysis for combining antibiotics in empirical therapy. Artificial Intelligence in Medicine, 2020, 102, 101751.	6.5	4
5	Comprehensive analysis of rule formalisms to represent clinical guidelines: Selection criteria and case study on antibiotic clinical guidelines. Artificial Intelligence in Medicine, 2020, 103, 101741.	6.5	9
6	Graph Databases for Contact Analysis in Infections Using Spatial Temporal Models. Lecture Notes in Computer Science, 2020, , 98-107.	1.3	0
7	Improving Interpretable Prediction Models for Antimicrobial Resistance. , 2019, , .		5
8	Interpretable Patient Subgrouping Using Trace-Based Clustering. Lecture Notes in Computer Science, 2019, , 269-274.	1.3	2
9	Impact of expert knowledge on the detection of patients at risk of antimicrobial therapy failure by clinical decision support systems. Journal of Biomedical Informatics, 2019, 94, 103200.	4.3	9
10	A lightweight acquisition of expert rules for interoperable clinical decision support systems. Knowledge-Based Systems, 2019, 167, 98-113.	7.1	14
11	Exploring Antimicrobial Resistance Prediction Using Post-hoc Interpretable Methods. Lecture Notes in Computer Science, 2019, , 93-107.	1.3	2
12	Impact of time series discretization on intensive care burn unit survival classification. Progress in Artificial Intelligence, 2018, 7, 41-53.	2.4	3
13	A decision support system for antibiotic prescription based on local cumulative antibiograms. Journal of Biomedical Informatics, 2018, 84, 114-122.	4.3	14
14	A Decision Support Visualization Tool for Infection Management Based on BMPN and DMN. Communications in Computer and Information Science, 2017, , 158-168.	0.5	1
15	Monitoring elderly people at home with temporal Case-Based Reasoning. Knowledge-Based Systems, 2017, 134, 116-134.	7.1	22
16	A Process-Oriented Approach for Supporting Clinical Decisions for Infection Management. , 2017, , .		12
17	Data Mining for Biomedicine and Healthcare. Journal of Healthcare Engineering, 2017, 2017, 1-2.	1.9	15
18	Development of a clinical decision support system for antibiotic management in a hospital environment. Progress in Artificial Intelligence, 2016, 5, 181-197.	2.4	25

#	ARTICLE	IF	CITATIONS
19	Clinical Decision Support Using Antimicrobial Susceptibility Test Results. Lecture Notes in Computer Science, 2016, , 251-260.	1.3	2
20	Proposal of a Big Data Platform for Intelligent Antibiotic Surveillance in a Hospital. Lecture Notes in Computer Science, 2016, , 261-270.	1.3	1
21	Case-base maintenance with multi-objective evolutionary algorithms. Journal of Intelligent Information Systems, 2016, 46, 259-284.	3.9	7
22	BPMN-Based Representation and Comparison of Clinical Pathways for Catheter-Related Bloodstream Infections. , 2015, , .		18
23	Spatiotemporal data visualisation for homecare monitoring of elderly people. Artificial Intelligence in Medicine, 2015, 65, 97-111.	6.5	20
24	Experiences on Computerised Neuropsychological Tests for Dementia Using a Mobile Touchable Interface. , 2014, , .		1
25	Multi-objective evolutionary algorithms for fuzzy classification in survival prediction. Artificial Intelligence in Medicine, 2014, 60, 197-219.	6.5	54
26	Reprint of "Length of stay prediction for clinical treatment process using temporal similarity". Expert Systems With Applications, 2014, 41, 274-283.	7.6	4
27	Evaluating Case-Base Maintenance algorithms. Knowledge-Based Systems, 2014, 67, 180-194.	7.1	14
28	What Do Doctors Need for Effective Adoption and Integration of Clinical Guidelines into Daily Practice?. , 2014, , .		0
29	A Proposal of Temporal Case-Base Maintenance Algorithms. Lecture Notes in Computer Science, 2014, , 260-273.	1.3	2
30	A Multi-Objective Evolutionary Algorithm Fitness Function for Case-Base Maintenance. Lecture Notes in Computer Science, 2013, , 218-232.	1.3	5
31	Length of stay prediction for clinical treatment process using temporal similarity. Expert Systems With Applications, 2013, 40, 6330-6339.	7.6	24
32	Multiple Temporal Axes for Visualising the Behaviour of Elders Living Alone. , 2013, , .		4
33	Computing Problem Oriented Medical Records. Lecture Notes in Computer Science, 2012, , 117-130.	1.3	3
34	"i>Tâ€CARE</i>: temporal case retrieval system. Expert Systems, 2011, 28, 324-338.	4.5	8
35	Avian influenza: Temporal modeling of a human to human transmission case. Expert Systems With Applications, 2011, 38, 8865-8885.	7.6	3
36	An Evolutionary Multiobjective Constrained Optimisation Approach for Case Selection: Evaluation in a Medical Problem. Lecture Notes in Computer Science, 2011, , 383-392.	1.3	0

#	ARTICLE	IF	CITATIONS
37	Evaluating Case Selection Algorithms for Analogical Reasoning Systems. Lecture Notes in Computer Science, 2011, , 344-353.	1.3	1
38	Applications of Temporal Reasoning to Intensive Care Units. Journal of Healthcare Engineering, 2010, 1, 615-636.	1.9	1
39	CBR Outcome Evaluation for High Similar Cases: A Preliminary Approach. Lecture Notes in Computer Science, 2010, , 131-140.	1.3	0
40	Reasoning in dynamic systems: From raw data to temporal abstract information. Neurocomputing, 2009, 72, 871-878.	5.9	3
41	Temporal similarity measures for querying clinical workflows. Artificial Intelligence in Medicine, 2009, 46, 37-54.	6.5	45
42	Medical knowledge management for specific hospital departments. Expert Systems With Applications, 2009, 36, 12214-12224.	7.6	22
43	Temporal similarity by measuring possibilistic uncertainty in CBR. Fuzzy Sets and Systems, 2009, 160, 214-230.	2.7	27
44	Quality Checking of Medical Guidelines Using Interval Temporal Logics: A Case-Study. Lecture Notes in Computer Science, 2009, , 158-167.	1.3	3
45	Step-Guided Clinical Workflow Fulfilment Measure for Clinical Guidelines. Lecture Notes in Computer Science, 2009, , 255-262.	1.3	3
46	Fuzzy Classification of Mortality by Infection of Severe Burnt Patients Using Multiobjective Evolutionary Algorithms. Lecture Notes in Computer Science, 2009, , 447-456.	1.3	0
47	Severity Evaluation Support for Burns Unit Patients Based on Temporal Episodic Knowledge Retrieval. Lecture Notes in Computer Science, 2009, , 36-45.	1.3	0
48	An Architecture Proposal for Adaptive Neuropsychological Assessment. Lecture Notes in Computer Science, 2009, , 426-436.	1.3	1
49	Computing context-dependent temporal diagnosis in complex domains. Expert Systems With Applications, 2008, 35, 991-1010.	7.6	18
50	Quality of life in obese pregnant women: a longitudinal study. American Journal of Obstetrics and Gynecology, 2008, 198, 203.e1-203.e5.	1.3	30
51	Conceptual Modeling of Temporal Clinical Workflows. , 2007, , .		20
52	Querying Clinical Workflows by Temporal Similarity. Lecture Notes in Computer Science, 2007, , 469-478.	1.3	8
53	A Possibilistic Approach for Mining Uncertain Temporal Relations from Diagnostic Evolution Databases. Lecture Notes in Computer Science, 2007, , 597-606.	1.3	1
54	Propos: A Dynamic Web Tool for Managing Possibilistic and Probabilistic Temporal Constraint Networks. Lecture Notes in Computer Science, 2007, , 551-560.	1.3	2

#	ARTICLE	IF	CITATIONS
55	Fuzzy theory approach for temporal model-based diagnosis: An application to medical domains. Artificial Intelligence in Medicine, 2006, 38, 197-218.	6.5	42
56	A Fuzzy Temporal Diagnosis Algorithm and a Hypothesis Discrimination Proposal. Lecture Notes in Computer Science, 2005, , 459-468.	1.3	1
57	Acquisition of Causal and Temporal Knowledge in Medical Domains. A Web-Based Approach. Lecture Notes in Computer Science, 2004, , 513-514.	1.3	0
58	WASPSS: A Clinical Decision Support System for Antimicrobial Stewardship. , 0, , .		0