Jose M Juarez

List of Publications by Year
in descending order

58 papers	551 citations	758635 12 h-index	713013 21 g-index
63 all docs	63 docs citations	63 times ranked	625 citing authors

#	Article	IF	Citations
1	Multi-objective evolutionary algorithms for fuzzy classification in survival prediction. Artificial Intelligence in Medicine, 2014, 60, 197-219.	3.8	54
2	Temporal similarity measures for querying clinical workflows. Artificial Intelligence in Medicine, 2009, 46, 37-54.	3.8	45
3	Fuzzy theory approach for temporal model-based diagnosis: An application to medical domains. Artificial Intelligence in Medicine, 2006, 38, 197-218.	3.8	42
4	Quality of life in obese pregnant women: a longitudinal study. American Journal of Obstetrics and Gynecology, 2008, 198, 203.e1-203.e5.	0.7	30
5	Temporal similarity by measuring possibilistic uncertainty in CBR. Fuzzy Sets and Systems, 2009, 160, 214-230.	1.6	27
6	Development of a clinical decision support system for antibiotic management in a hospital environment. Progress in Artificial Intelligence, 2016, 5, 181-197.	1.5	25
7	Length of stay prediction for clinical treatment process using temporal similarity. Expert Systems With Applications, 2013, 40, 6330-6339.	4.4	24
8	Medical knowledge management for specific hospital departments. Expert Systems With Applications, 2009, 36, 12214-12224.	4.4	22
9	Monitoring elderly people at home with temporal Case-Based Reasoning. Knowledge-Based Systems, 2017, 134, 116-134.	4.0	22
10	Conceptual Modeling of Temporal Clinical Workflows. , 2007, , .		20
11	Spatiotemporal data visualisation for homecare monitoring of elderly people. Artificial Intelligence in Medicine, 2015, 65, 97-111.	3.8	20
12	Computing context-dependent temporal diagnosis in complex domains. Expert Systems With Applications, 2008, 35, 991-1010.	4.4	18
13	BPMN-Based Representation and Comparison of Clinical Pathways for Catheter-Related Bloodstream Infections. , 2015, , .		18
14	Data Mining for Biomedicine and Healthcare. Journal of Healthcare Engineering, 2017, 2017, 1-2.	1.1	15
15	Evaluating Case-Base Maintenance algorithms. Knowledge-Based Systems, 2014, 67, 180-194.	4.0	14
16	A decision support system for antibiotic prescription based on local cumulative antibiograms. Journal of Biomedical Informatics, 2018, 84, 114-122.	2.5	14
17	A lightweight acquisition of expert rules for interoperable clinical decision support systems. Knowledge-Based Systems, 2019, 167, 98-113.	4.0	14
18	A Process-Oriented Approach for Supporting Clinical Decisions for Infection Management. , 2017, , .		12

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19	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.	2.5	9
20	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.	3.8	9
21	Tâ€CARE: temporal case retrieval system. Expert Systems, 2011, 28, 324-338.	2.9	8
22	Querying Clinical Workflows by Temporal Similarity. Lecture Notes in Computer Science, 2007, , 469-478.	1.0	8
23	Case-base maintenance with multi-objective evolutionary algorithms. Journal of Intelligent Information Systems, 2016, 46, 259-284.	2.8	7
24	A Multi-Objective Evolutionary Algorithm Fitness Function for Case-Base Maintenance. Lecture Notes in Computer Science, 2013, , 218-232.	1.0	5
25	Improving Interpretable Prediction Models for Antimicrobial Resistance. , 2019, , .		5
26	A methodology based on Trace-based clustering for patient phenotyping. Knowledge-Based Systems, 2021, 232, 107469.	4.0	5
27	Multiple Temporal Axes for Visualising the Behaviour of Elders Living Alone. , 2013, , .		4
28	Reprint of â€œLength of stay prediction for clinical treatment process using temporal similarityâ€• Expert Systems With Applications, 2014, 41, 274-283.	4.4	4
29	A methodology based on multiple criteria decision analysis for combining antibiotics in empirical therapy. Artificial Intelligence in Medicine, 2020, 102, 101751.	3.8	4
30	Reasoning in dynamic systems: From raw data to temporal abstract information. Neurocomputing, 2009, 72, 871-878.	3.5	3
31	Avian influenza: Temporal modeling of a human to human transmission case. Expert Systems With Applications, 2011, 38, 8865-8885.	4.4	3
32	Computing Problem Oriented Medical Records. Lecture Notes in Computer Science, 2012, , 117-130.	1.0	3
33	Impact of time series discretization on intensive care burn unit survival classification. Progress in Artificial Intelligence, 2018, 7, 41-53.	1.5	3
34	Quality Checking of Medical Guidelines Using Interval Temporal Logics: A Case-Study. Lecture Notes in Computer Science, 2009, , 158-167.	1.0	3
35	Step-Guided Clinical Workflow Fulfilment Measure for Clinical Guidelines. Lecture Notes in Computer Science, 2009, , 255-262.	1.0	3
36	Clinical Decision Support Using Antimicrobial Susceptibility Test Results. Lecture Notes in Computer Science, 2016, , 251-260.	1.0	2

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37	Interpretable Patient Subgrouping Using Trace-Based Clustering. Lecture Notes in Computer Science, 2019, , 269-274.	1.0	2
38	Exploring Antimicrobial Resistance Prediction Using Post-hoc Interpretable Methods. Lecture Notes in Computer Science, 2019, , 93-107.	1.0	2
39	A Proposal of Temporal Case-Base Maintenance Algorithms. Lecture Notes in Computer Science, 2014, , 260-273.	1.0	2
40	Propos: A Dynamic Web Tool for Managing Possibilistic and Probabilistic Temporal Constraint Networks. Lecture Notes in Computer Science, 2007, , 551-560.	1.0	2
41	A Fuzzy Temporal Diagnosis Algorithm and a Hypothesis Discrimination Proposal. Lecture Notes in Computer Science, 2005, , 459-468.	1.0	1
42	Applications of Temporal Reasoning to Intensive Care Units. Journal of Healthcare Engineering, 2010, 1, 615-636.	1.1	1
43	Experiences on Computerised Neuropsychological Tests for Dementia Using a Mobile Touchable Interface. , 2014, , .		1
44	Proposal of a Big Data Platform for Intelligent Antibiotic Surveillance in a Hospital. Lecture Notes in Computer Science, 2016, , 261-270.	1.0	1
45	A Decision Support Visualization Tool for Infection Management Based on BMPN and DMN. Communications in Computer and Information Science, 2017, , 158-168.	0.4	1
46	Seasonality in Infection Predictions Using Interpretable Models for High Dimensional Imbalanced Datasets. Lecture Notes in Computer Science, 2021, , 152-156.	1.0	1
47	An Architecture Proposal for Adaptive Neuropsychological Assessment. Lecture Notes in Computer Science, 2009, , 426-436.	1.0	1
48	Evaluating Case Selection Algorithms for Analogical Reasoning Systems. Lecture Notes in Computer Science, 2011, , 344-353.	1.0	1
49	A Possibilistic Approach for Mining Uncertain Temporal Relations from Diagnostic Evolution Databases. Lecture Notes in Computer Science, 2007, , 597-606.	1.0	1
50	Acquisition of Causal and Temporal Knowledge in Medical Domains. A Web-Based Approach. Lecture Notes in Computer Science, 2004, , 513-514.	1.0	0
51	CBR Outcome Evaluation for High Similar Cases: A Preliminary Approach. Lecture Notes in Computer Science, 2010, , 131-140.	1.0	0
52	What Do Doctors Need for Effective Adoption and Integration of Clinical Guidelines into Daily Practice?. , 2014, , .		0
53	WASPSS: A Clinical Decision Support System for Antimicrobial Stewardship. , 0, , .		0
54	Fuzzy Classification of Mortality by Infection of Severe Burnt Patients Using Multiobjective Evolutionary Algorithms. Lecture Notes in Computer Science, 2009, , 447-456.	1.0	0

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55	Severity Evaluation Support for Burns Unit Patients Based on Temporal Episodic Knowledge Retrieval. Lecture Notes in Computer Science, 2009, , 36-45.	1.0	0
56	An Evolutionary Multiobjective Constrained Optimisation Approach for Case Selection: Evaluation in a Medical Problem. Lecture Notes in Computer Science, 2011, , 383-392.	1.0	0
57	Graph Databases for Contact Analysis in Infections Using Spatial Temporal Models. Lecture Notes in Computer Science, 2020, , 98-107.	1.0	0
58	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.	1.3	0