# Jose M Juarez

List of Publications by Year
in descending order

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|---|---|---|---|
| 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 | 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 |
| 2 | Seasonality in Infection Predictions Using Interpretable Models for High Dimensional Imbalanced Datasets. Lecture Notes in Computer Science, 2021, , 152-156. | 1.0 | 1 |
| 3 | A methodology based on Trace-based clustering for patient phenotyping. Knowledge-Based Systems, 2021, 232, 107469. | 4.0 | 5 |
| 4 | A methodology based on multiple criteria decision analysis for combining antibiotics in empirical therapy. Artificial Intelligence in Medicine, 2020, 102, 101751. | 3.8 | 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. | 3.8 | 9 |
| 6 | Graph Databases for Contact Analysis in Infections Using Spatial Temporal Models. Lecture Notes in Computer Science, 2020, , 98-107. | 1.0 | 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. | 1.0 | 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. | 2.5 | 9 |
| 10 | A lightweight acquisition of expert rules for interoperable clinical decision support systems. Knowledge-Based Systems, 2019, 167, 98-113. | 4.0 | 14 |
| 11 | Exploring Antimicrobial Resistance Prediction Using Post-hoc Interpretable Methods. Lecture Notes in Computer Science, 2019, , 93-107. | 1.0 | 2 |
| 12 | Impact of time series discretization on intensive care burn unit survival classification. Progress in Artificial Intelligence, 2018, 7, 41-53. | 1.5 | 3 |
| 13 | A decision support system for antibiotic prescription based on local cumulative antibiograms. Journal of Biomedical Informatics, 2018, 84, 114-122. | 2.5 | 14 |
| 14 | A Decision Support Visualization Tool for Infection Management Based on BMPN and DMN. Communications in Computer and Information Science, 2017, , 158-168. | 0.4 | 1 |
| 15 | Monitoring elderly people at home with temporal Case-Based Reasoning. Knowledge-Based Systems, 2017, 134, 116-134. | 4.0 | 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. | 1.1 | 15 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | Clinical Decision Support Using Antimicrobial Susceptibility Test Results. Lecture Notes in Computer Science, 2016, , 251-260. | 1.0 | 2 |
| 20 | Proposal of a Big Data Platform for Intelligent Antibiotic Surveillance in a Hospital. Lecture Notes in Computer Science, 2016, , 261-270. | 1.0 | 1 |
| 21 | Case-base maintenance with multi-objective evolutionary algorithms. Journal of Intelligent Information Systems, 2016, 46, 259-284. | 2.8 | 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. | 3.8 | 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. | 3.8 | 54 |
| 26 | 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 |
| 27 | Evaluating Case-Base Maintenance algorithms. Knowledge-Based Systems, 2014, 67, 180-194. | 4.0 | 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. | 1.0 | 2 |
| 30 | A Multi-Objective Evolutionary Algorithm Fitness Function for Case-Base Maintenance. Lecture Notes in Computer Science, 2013, , 218-232. | 1.0 | 5 |
| 31 | Length of stay prediction for clinical treatment process using temporal similarity. Expert Systems With Applications, 2013, 40, 6330-6339. | 4.4 | 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. | 1.0 | 3 |
| 34 | <i>Tâ€CARE</i>: temporal case retrieval system. Expert Systems, 2011, 28, 324-338. | 2.9 | 8 |
| 35 | Avian influenza: Temporal modeling of a human to human transmission case. Expert Systems With Applications, 2011, 38, 8865-8885. | 4.4 | 3 |
| 36 | An Evolutionary Multiobjective Constrained Optimisation Approach for Case Selection: Evaluation in a Medical Problem. Lecture Notes in Computer Science, 2011, , 383-392. | 1.0 | 0 |

| # | ARTICLE | IF | CITATIONS |
|---|---------|----|-----------|
| 37 | Evaluating Case Selection Algorithms for Analogical Reasoning Systems. Lecture Notes in Computer Science, 2011, , 344-353. | 1.0 | 1 |
| 38 | Applications of Temporal Reasoning to Intensive Care Units. Journal of Healthcare Engineering, 2010, 1, 615-636. | 1.1 | 1 |
| 39 | CBR Outcome Evaluation for High Similar Cases: A Preliminary Approach. Lecture Notes in Computer Science, 2010, , 131-140. | 1.0 | 0 |
| 40 | Reasoning in dynamic systems: From raw data to temporal abstract information. Neurocomputing, 2009, 72, 871-878. | 3.5 | 3 |
| 41 | Temporal similarity measures for querying clinical workflows. Artificial Intelligence in Medicine, 2009, 46, 37-54. | 3.8 | 45 |
| 42 | Medical knowledge management for specific hospital departments. Expert Systems With Applications, 2009, 36, 12214-12224. | 4.4 | 22 |
| 43 | Temporal similarity by measuring possibilistic uncertainty in CBR. Fuzzy Sets and Systems, 2009, 160, 214-230. | 1.6 | 27 |
| 44 | Quality Checking of Medical Guidelines Using Interval Temporal Logics: A Case-Study. Lecture Notes in Computer Science, 2009, , 158-167. | 1.0 | 3 |
| 45 | Step-Guided Clinical Workflow Fulfilment Measure for Clinical Guidelines. Lecture Notes in Computer Science, 2009, , 255-262. | 1.0 | 3 |
| 46 | Fuzzy Classification of Mortality by Infection of Severe Burnt Patients Using Multiobjective Evolutionary Algorithms. Lecture Notes in Computer Science, 2009, , 447-456. | 1.0 | 0 |
| 47 | Severity Evaluation Support for Burns Unit Patients Based on Temporal Episodic Knowledge Retrieval. Lecture Notes in Computer Science, 2009, , 36-45. | 1.0 | 0 |
| 48 | An Architecture Proposal for Adaptive Neuropsychological Assessment. Lecture Notes in Computer Science, 2009, , 426-436. | 1.0 | 1 |
| 49 | Computing context-dependent temporal diagnosis in complex domains. Expert Systems With Applications, 2008, 35, 991-1010. | 4.4 | 18 |
| 50 | 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 |
| 51 | Conceptual Modeling of Temporal Clinical Workflows. , 2007, , . |  | 20 |
| 52 | Querying Clinical Workflows by Temporal Similarity. Lecture Notes in Computer Science, 2007, , 469-478. | 1.0 | 8 |
| 53 | A Possibilistic Approach for Mining Uncertain Temporal Relations from Diagnostic Evolution Databases. Lecture Notes in Computer Science, 2007, , 597-606. | 1.0 | 1 |
| 54 | Propos: A Dynamic Web Tool for Managing Possibilistic and Probabilistic Temporal Constraint Networks. Lecture Notes in Computer Science, 2007, , 551-560. | 1.0 | 2 |

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|---|---------|-----|-----------|
| 55 | Fuzzy theory approach for temporal model-based diagnosis: An application to medical domains. Artificial Intelligence in Medicine, 2006, 38, 197-218. | 3.8 | 42 |
| 56 | A Fuzzy Temporal Diagnosis Algorithm and a Hypothesis Discrimination Proposal. Lecture Notes in Computer Science, 2005, , 459-468. | 1.0 | 1 |
| 57 | Acquisition of Causal and Temporal Knowledge in Medical Domains. A Web-Based Approach. Lecture Notes in Computer Science, 2004, , 513-514. | 1.0 | 0 |
| 58 | WASPSS: A Clinical Decision Support System for Antimicrobial Stewardship. , 0, , . | | 0 |