

Marcos Sepúlveda

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

1,805
citations

567281

15
h-index

276875

41
g-index

58
all docs

58
docs citations

58
times ranked

1330
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Process mining for healthcare: Characteristics and challenges. <i>Journal of Biomedical Informatics</i> , 2022, 127, 103994. | 4.3 | 91 |
| 2 | Domain Model Based Design of Business Process Architectures. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2563. | 2.5 | 3 |
| 3 | Process-oriented metrics to provide feedback and assess the performance of students who are learning surgical procedures: The percutaneous dilatational tracheostomy case. <i>Medical Teacher</i> , 2022, , 1-9. | 1.8 | 0 |
| 4 | Building Process-Oriented Data Science Solutions for Real-World Healthcare. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 8427. | 2.6 | 0 |
| 5 | Simulation-Based Mastery Learning of Bronchoscopy-Guided Percutaneous Dilatational Tracheostomy. <i>Simulation in Healthcare</i> , 2021, 16, 157-162. | 1.2 | 7 |
| 6 | Orientation and conformance: A HMM-based approach to online conformance checking. <i>Information Systems</i> , 2021, 102, 101674. | 3.6 | 10 |
| 7 | Development of a comprehensive Percutaneous Dilatational Tracheostomy process model for procedural training: A Delphi-based experts consensus. <i>Acta Anaesthesiologica Scandinavica</i> , 2021, 65, 244-256. | 1.6 | 4 |
| 8 | Curricular Analytics to Characterize Educational Trajectories in High-Failure Rate Courses That Lead to Late Dropout. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1436. | 2.5 | 9 |
| 9 | Backpack Process Model (BPPM): A Process Mining Approach for Curricular Analytics. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4265. | 2.5 | 6 |
| 10 | Team Collaboration Networks and Multidisciplinarity in Diabetes Care: Implications for Patient Outcomes. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020, 24, 319-329. | 6.3 | 8 |
| 11 | Control-flow analysis of procedural skills competencies in medical training through process mining. <i>Postgraduate Medical Journal</i> , 2020, 96, 250-256. | 1.8 | 8 |
| 12 | Special Issue on Innovative informatics methods for process mining in health care. <i>Journal of Biomedical Informatics</i> , 2020, 109, 103551. | 4.3 | 1 |
| 13 | Mapping the Patient's Journey in Healthcare through Process Mining. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 6586. | 2.6 | 18 |
| 14 | Delphi Method to Achieve Clinical Consensus for a BPMN Representation of the Central Venous Access Placement for Training Purposes. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 3889. | 2.6 | 7 |
| 15 | Process-Oriented Instrument and Taxonomy for Teaching Surgical Procedures in Medical Training: The Ultrasound-Guided Insertion of Central Venous Catheter. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 3849. | 2.6 | 1 |
| 16 | Analysis of the relationship between treatment networks and the evolution of patients with Type 2 Diabetes Mellitus. <i>Journal of Biomedical Informatics</i> , 2020, 108, 103497. | 4.3 | 0 |
| 17 | Individual Behavior Modeling with Sensors Using Process Mining. <i>Electronics (Switzerland)</i> , 2019, 8, 766. | 3.1 | 16 |
| 18 | Analyzing Medical Emergency Processes with Process Mining: The Stroke Case. <i>Lecture Notes in Business Information Processing</i> , 2019, , 214-225. | 1.0 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Toward Value-Based Healthcare through Interactive Process Mining in Emergency Rooms: The Stroke Case. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1783. | 2.6 | 44 |
| 20 | Process-Oriented Feedback through Process Mining for Surgical Procedures in Medical Training: The Ultrasound-Guided Central Venous Catheter Placement Case. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1877. | 2.6 | 16 |
| 21 | Influence of Student Diversity on Educational Trajectories in Engineering High-Failure Rate Courses that Lead to Late Dropout. , 2019, , . | | 9 |
| 22 | Performance Analysis of Emergency Room Episodes Through Process Mining. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1274. | 2.6 | 24 |
| 23 | Tailored Process Feedback Through Process Mining for Surgical Procedures in Medical Training: The Central Venous Catheter Case. <i>Lecture Notes in Business Information Processing</i> , 2019, , 163-174. | 1.0 | 5 |
| 24 | Analysis of Emergency Room Episodes Duration Through Process Mining. <i>Lecture Notes in Business Information Processing</i> , 2019, , 251-263. | 1.0 | 3 |
| 25 | Relationship between Continuity of Care in the Multidisciplinary Treatment of Patients with Diabetes and Their Clinical Results. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 268. | 2.5 | 11 |
| 26 | Improving Merging Conditions for Recomposing Conformance Checking. <i>Lecture Notes in Business Information Processing</i> , 2019, , 31-43. | 1.0 | 1 |
| 27 | The Case Ordering Problem in Surgical Procedural Training through Process Mining. , 2019, , . | | 0 |
| 28 | Understanding Undesired Procedural Behavior in Surgical Training: The Instructor Perspective. <i>Lecture Notes in Business Information Processing</i> , 2019, , 471-482. | 1.0 | 1 |
| 29 | Human resource allocation in business process management and process mining. <i>Management Decision</i> , 2018, 56, 376-405. | 3.9 | 37 |
| 30 | Discovering role interaction models in the Emergency Room using Process Mining. <i>Journal of Biomedical Informatics</i> , 2018, 78, 60-77. | 4.3 | 60 |
| 31 | Multidisciplinary collaboration in primary care: a systematic review. <i>Family Practice</i> , 2018, 35, 132-141. | 1.9 | 102 |
| 32 | Constraint Bag Process Model: An Interdisciplinary Process Mining Approach to Lean Construction. , 2018, , . | | 1 |
| 33 | Predicting process behavior meets factorization machines. <i>Expert Systems With Applications</i> , 2018, 112, 87-98. | 7.6 | 9 |
| 34 | Human resource allocation or recommendation based on multi-factor criteria in on-demand and batch scenarios. <i>European Journal of Industrial Engineering</i> , 2018, 12, 364. | 0.8 | 14 |
| 35 | Analysis of the Relationship between the Referral and Evolution of Patients with Type 2 Diabetes Mellitus. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1534. | 2.6 | 7 |
| 36 | Recomposing conformance: Closing the circle on decomposed alignment-based conformance checking in process mining. <i>Information Sciences</i> , 2018, 466, 55-91. | 6.9 | 38 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | A User-Centered Mobile Cloud Computing Platform for Improving Knowledge Management in Small-to-Medium Enterprises in the Chilean Construction Industry. Applied Sciences (Switzerland), 2018, 8, 516. | 2.5 | 12 |
| 38 | Towards a Taxonomy of Human Resource Allocation Criteria. Lecture Notes in Business Information Processing, 2018, , 475-483. | 1.0 | 13 |
| 39 | Multidisciplinary Collaboration in the Treatment of Patients With Type 2 Diabetes in Primary Care: Analysis Using Process Mining. Journal of Medical Internet Research, 2018, 20, e127. | 4.3 | 39 |
| 40 | A Multi-criteria Approach for Team Recommendation. Lecture Notes in Business Information Processing, 2017, , 384-396. | 1.0 | 5 |
| 41 | Methodological proposal for process mining projects. International Journal of Business Process Integration and Management, 2017, 8, 102. | 0.0 | 17 |
| 42 | Question-Driven Methodology for Analyzing Emergency Room Processes Using Process Mining. Applied Sciences (Switzerland), 2017, 7, 302. | 2.5 | 54 |
| 43 | Strategies to Automatically Derive a Process Model from a Configurable Process Model Based on Event Data. Applied Sciences (Switzerland), 2017, 7, 1023. | 2.5 | 20 |
| 44 | Analysis of Multidisciplinary Collaboration in Primary Healthcare: The Chilean Case. Lecture Notes in Computer Science, 2017, , 244-251. | 1.3 | 4 |
| 45 | Process mining in healthcare: A literature review. Journal of Biomedical Informatics, 2016, 61, 224-236. | 4.3 | 422 |
| 46 | A Lessons-learned System for Construction Project Management: A Preliminary Application. Procedia, Social and Behavioral Sciences, 2016, 226, 302-309. | 0.5 | 18 |
| 47 | A Framework for Recommending Resource Allocation Based on Process Mining. Lecture Notes in Business Information Processing, 2016, , 458-470. | 1.0 | 21 |
| 48 | Circumventing Communication Blindspots and Trust Gaps in Technologically-Mediated Corporate Relationships: The Case of Chilean Business-to-Consumer E-Commerce. Journal of Theoretical and Applied Electronic Commerce Research, 2015, 10, 19-32. | 5.7 | 2 |
| 49 | Experimenting with an OLAP Approach for Interactive Discovery in Process Mining. Lecture Notes in Business Information Processing, 2015, , 317-329. | 1.0 | 0 |
| 50 | Clinical Processes and Its Data, What Can We Do with Them?. , 2015, , . | | 10 |
| 51 | A Lessons-learned Mobile System for Construction Companies: Motivation and Design. Procedia Engineering, 2014, 85, 157-165. | 1.2 | 14 |
| 52 | Process Mining Manifesto. Lecture Notes in Business Information Processing, 2012, , 169-194. | 1.0 | 546 |
| 53 | Combining iterative heuristic optimization and uncertainty analysis methods for robust parameter design. Engineering Optimization, 2006, 38, 821-831. | 2.6 | 6 |
| 54 | Bitwise Implementation of a Two-Dimensional Cellular Automata Biofilm Model. Journal of Computing in Civil Engineering, 2005, 19, 258-268. | 4.7 | 16 |