Marcos SepÃºlveda

List of Publications by Year
in descending order

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 Manifesto. Lecture Notes in Business Information Processing, 2012, , 169-194.	1.0	546
2	Process mining in healthcare: A literature review. Journal of Biomedical Informatics, 2016, 61, 224-236.	4.3	422
3	Multidisciplinary collaboration in primary care: a systematic review. Family Practice, 2018, 35, 132-141.	1.9	102
4	Process mining for healthcare: Characteristics and challenges. Journal of Biomedical Informatics, 2022, 127, 103994.	4.3	91
5	Discovering role interaction models in the Emergency Room using Process Mining. Journal of Biomedical Informatics, 2018, 78, 60-77.	4.3	60
6	Question-Driven Methodology for Analyzing Emergency Room Processes Using Process Mining. Applied Sciences (Switzerland), 2017, 7, 302.	2.5	54
7	Toward Value-Based Healthcare through Interactive Process Mining in Emergency Rooms: The Stroke Case. International Journal of Environmental Research and Public Health, 2019, 16, 1783.	2.6	44
8	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
9	Recomposing conformance: Closing the circle on decomposed alignment-based conformance checking in process mining. Information Sciences, 2018, 466, 55-91.	6.9	38
10	Human resource allocation in business process management and process mining. Management Decision, 2018, 56, 376-405.	3.9	37
11	Performance Analysis of Emergency Room Episodes Through Process Mining. International Journal of Environmental Research and Public Health, 2019, 16, 1274.	2.6	24
12	A Framework for Recommending Resource Allocation Based on Process Mining. Lecture Notes in Business Information Processing, 2016, , 458-470.	1.0	21
13	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
14	A Lessons-learned System for Construction Project Management: A Preliminary Application. Procedia, Social and Behavioral Sciences, 2016, 226, 302-309.	0.5	18
15	Mapping the Patientâ€™s Journey in Healthcare through Process Mining. International Journal of Environmental Research and Public Health, 2020, 17, 6586.	2.6	18
16	Methodological proposal for process mining projects. International Journal of Business Process Integration and Management, 2017, 8, 102.	0.0	17
17	Bitwise Implementation of a Two-Dimensional Cellular Automata Biofilm Model. Journal of Computing in Civil Engineering, 2005, 19, 258-268.	4.7	16
18	Individual Behavior Modeling with Sensors Using Process Mining. Electronics (Switzerland), 2019, 8, 766.	3.1	16

#	Article	IF	Citations
19	Process-Oriented Feedback through Process Mining for Surgical Procedures in Medical Training: The Ultrasound-Guided Central Venous Catheter Placement Case. International Journal of Environmental Research and Public Health, 2019, 16, 1877.	2.6	16
20	A Lessons-learned Mobile System for Construction Companies: Motivation and Design. Procedia Engineering, 2014, 85, 157-165.	1.2	14
21	Human resource allocation or recommendation based on multi-factor criteria in on-demand and batch scenarios. European Journal of Industrial Engineering, 2018, 12, 364.	0.8	14
22	Towards a Taxonomy of Human Resource Allocation Criteria. Lecture Notes in Business Information Processing, 2018, , 475-483.	1.0	13
23	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
24	Analyzing Medical Emergency Processes with Process Mining: The Stroke Case. Lecture Notes in Business Information Processing, 2019, , 214-225.	1.0	11
25	Relationship between Continuity of Care in the Multidisciplinary Treatment of Patients with Diabetes and Their Clinical Results. Applied Sciences (Switzerland), 2019, 9, 268.	2.5	11
26	Orientation and conformance: A HMM-based approach to online conformance checking. Information Systems, 2021, 102, 101674.	3.6	10
27	Clinical Processes and Its Data, What Can We Do with Them?. , 2015, , .		10
28	Predicting process behavior meets factorization machines. Expert Systems With Applications, 2018, 112, 87-98.	7.6	9
29	Influence of Student Diversity on Educational Trajectories in Engineering High-Failure Rate Courses that Lead to Late Dropout. , 2019, , .		9
30	Curricular Analytics to Characterize Educational Trajectories in High-Failure Rate Courses That Lead to Late Dropout. Applied Sciences (Switzerland), 2021, 11, 1436.	2.5	9
31	Team Collaboration Networks and Multidisciplinarity in Diabetes Care: Implications for Patient Outcomes. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 319-329.	6.3	8
32	Control-flow analysis of procedural skills competencies in medical training through process mining. Postgraduate Medical Journal, 2020, 96, 250-256.	1.8	8
33	Analysis of the Relationship between the Referral and Evolution of Patients with Type 2 Diabetes Mellitus. International Journal of Environmental Research and Public Health, 2018, 15, 1534.	2.6	7
34	Simulation-Based Mastery Learning of Bronchoscopy-Guided Percutaneous Dilatational Tracheostomy. Simulation in Healthcare, 2021, 16, 157-162.	1.2	7
35	Delphi Method to Achieve Clinical Consensus for a BPMN Representation of the Central Venous Access Placement for Training Purposes. International Journal of Environmental Research and Public Health, 2020, 17, 3889.	2.6	7
36	Combining iterative heuristic optimization and uncertainty analysis methods for robust parameter design. Engineering Optimization, 2006, 38, 821-831.	2.6	6

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37	Backpack Process Model (BPPM): A Process Mining Approach for Curricular Analytics. Applied Sciences (Switzerland), 2021, 11, 4265.	2.5	6
38	A Multi-criteria Approach for Team Recommendation. Lecture Notes in Business Information Processing, 2017, , 384-396.	1.0	5
39	Tailored Process Feedback Through Process Mining for Surgical Procedures in Medical Training: The Central Venous Catheter Case. Lecture Notes in Business Information Processing, 2019, , 163-174.	1.0	5
40	Development of a comprehensive Percutaneous Dilatational Tracheostomy process model for procedural training: A Delphiâ€based experts consensus. Acta Anaesthesiologica Scandinavica, 2021, 65, 244-256.	1.6	4
41	Analysis of Multidisciplinary Collaboration in Primary Healthcare: The Chilean Case. Lecture Notes in Computer Science, 2017, , 244-251.	1.3	4
42	Analysis of Emergency Room Episodes Duration Through Process Mining. Lecture Notes in Business Information Processing, 2019, , 251-263.	1.0	3
43	Domain Model Based Design of Business Process Architectures. Applied Sciences (Switzerland), 2022, 12, 2563.	2.5	3
44	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
45	Constraint Bag Process Model: An Interdisciplinary Process Mining Approach to Lean Construction. , 2018, , .		1
46	Improving Merging Conditions for Recomposing Conformance Checking. Lecture Notes in Business Information Processing, 2019, , 31-43.	1.0	1
47	Special Issue on Innovative informatics methods for process mining in health care. Journal of Biomedical Informatics, 2020, 109, 103551.	4.3	1
48	Process-Oriented Instrument and Taxonomy for Teaching Surgical Procedures in Medical Training: The Ultrasound-Guided Insertion of Central Venous Catheter. International Journal of Environmental Research and Public Health, 2020, 17, 3849.	2.6	1
49	Understanding Undesired Procedural Behavior in Surgical Training: The Instructor Perspective. Lecture Notes in Business Information Processing, 2019, , 471-482.	1.0	1
50	Experimenting with an OLAP Approach for Interactive Discovery in Process Mining. Lecture Notes in Business Information Processing, 2015, , 317-329.	1.0	0
51	The Case Ordering Problem in Surgical Procedural Training through Process Mining. , 2019, , .		0
52	Analysis of the relationship between treatment networks and the evolution of patients with Type 2 Diabetes Mellitus. Journal of Biomedical Informatics, 2020, 108, 103497.	4.3	0
53	Process-oriented metrics to provide feedback and assess the performance of students who are learning surgical procedures: The percutaneous dilatational tracheostomy case. Medical Teacher, 2022, , 1-9.	1.8	0
54	Building Process-Oriented Data Science Solutions for Real-World Healthcare. International Journal of Environmental Research and Public Health, 2022, 19, 8427.	2.6	0