

# Marcos Sepúlveda

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6925686/publications.pdf>

Version: 2024-02-01

54  
papers

1,805  
citations

567144  
15  
h-index

276775  
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. Journal of Biomedical Informatics, 2022, 127, 103994.	2.5	91
2	Domain Model Based Design of Business Process Architectures. Applied Sciences (Switzerland), 2022, 12, 2563.	1.3	3
3	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.	1.0	0
4	Building Process-Oriented Data Science Solutions for Real-World Healthcare. International Journal of Environmental Research and Public Health, 2022, 19, 8427.	1.2	0
5	Simulation-Based Mastery Learning of Bronchoscopy-Guided Percutaneous Dilatational Tracheostomy. Simulation in Healthcare, 2021, 16, 157-162.	0.7	7
6	Orientation and conformance: A HMM-based approach to online conformance checking. Information Systems, 2021, 102, 101674.	2.4	10
7	Development of a comprehensive Percutaneous Dilatational Tracheostomy process model for procedural training: A Delphi-based experts consensus. Acta Anaesthesiologica Scandinavica, 2021, 65, 244-256.	0.7	4
8	Curricular Analytics to Characterize Educational Trajectories in High-Failure Rate Courses That Lead to Late Dropout. Applied Sciences (Switzerland), 2021, 11, 1436.	1.3	9
9	Backpack Process Model (BPPM): A Process Mining Approach for Curricular Analytics. Applied Sciences (Switzerland), 2021, 11, 4265.	1.3	6
10	Team Collaboration Networks and Multidisciplinarity in Diabetes Care: Implications for Patient Outcomes. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 319-329.	3.9	8
11	Control-flow analysis of procedural skills competencies in medical training through process mining. Postgraduate Medical Journal, 2020, 96, 250-256.	0.9	8
12	Special Issue on Innovative informatics methods for process mining in health care. Journal of Biomedical Informatics, 2020, 109, 103551.	2.5	1
13	Mapping the Patient's Journey in Healthcare through Process Mining. International Journal of Environmental Research and Public Health, 2020, 17, 6586.	1.2	18
14	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.	1.2	7
15	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.	1.2	1
16	Analysis of the relationship between treatment networks and the evolution of patients with Type 2 Diabetes Mellitus. Journal of Biomedical Informatics, 2020, 108, 103497.	2.5	0
17	Individual Behavior Modeling with Sensors Using Process Mining. Electronics (Switzerland), 2019, 8, 766.	1.8	16
18	Analyzing Medical Emergency Processes with Process Mining: The Stroke Case. Lecture Notes in Business Information Processing, 2019, , 214-225.	0.8	11

#	ARTICLE	IF	CITATIONS
19	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.	1.2	44
20	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.	1.2	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. International Journal of Environmental Research and Public Health, 2019, 16, 1274.	1.2	24
23	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.	0.8	5
24	Analysis of Emergency Room Episodes Duration Through Process Mining. Lecture Notes in Business Information Processing, 2019, , 251-263.	0.8	3
25	Relationship between Continuity of Care in the Multidisciplinary Treatment of Patients with Diabetes and Their Clinical Results. Applied Sciences (Switzerland), 2019, 9, 268.	1.3	11
26	Improving Merging Conditions for Recomposing Conformance Checking. Lecture Notes in Business Information Processing, 2019, , 31-43.	0.8	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. Lecture Notes in Business Information Processing, 2019, , 471-482.	0.8	1
29	Human resource allocation in business process management and process mining. Management Decision, 2018, 56, 376-405.	2.2	37
30	Discovering role interaction models in the Emergency Room using Process Mining. Journal of Biomedical Informatics, 2018, 78, 60-77.	2.5	60
31	Multidisciplinary collaboration in primary care: a systematic review. Family Practice, 2018, 35, 132-141.	0.8	102
32	Constraint Bag Process Model: An Interdisciplinary Process Mining Approach to Lean Construction. , 2018, , .		1
33	Predicting process behavior meets factorization machines. Expert Systems With Applications, 2018, 112, 87-98.	4.4	9
34	Human resource allocation or recommendation based on multi-factor criteria in on-demand and batch scenarios. European Journal of Industrial Engineering, 2018, 12, 364.	0.5	14
35	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.	1.2	7
36	Recomposing conformance: Closing the circle on decomposed alignment-based conformance checking in process mining. Information Sciences, 2018, 466, 55-91.	4.0	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.	1.3	12
38	Towards a Taxonomy of Human Resource Allocation Criteria. Lecture Notes in Business Information Processing, 2018, , 475-483.	0.8	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.	2.1	39
40	A Multi-criteria Approach for Team Recommendation. Lecture Notes in Business Information Processing, 2017, , 384-396.	0.8	5
41	Methodological proposal for process mining projects. International Journal of Business Process Integration and Management, 2017, 8, 102.	0.2	17
42	Question-Driven Methodology for Analyzing Emergency Room Processes Using Process Mining. Applied Sciences (Switzerland), 2017, 7, 302.	1.3	54
43	Strategies to Automatically Derive a Process Model from a Configurable Process Model Based on Event Data. Applied Sciences (Switzerland), 2017, 7, 1023.	1.3	20
44	Analysis of Multidisciplinary Collaboration in Primary Healthcare: The Chilean Case. Lecture Notes in Computer Science, 2017, , 244-251.	1.0	4
45	Process mining in healthcare: A literature review. Journal of Biomedical Informatics, 2016, 61, 224-236.	2.5	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.	0.8	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.	3.1	2
49	Experimenting with an OLAP Approach for Interactive Discovery in Process Mining. Lecture Notes in Business Information Processing, 2015, , 317-329.	0.8	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.	0.8	546
53	Combining iterative heuristic optimization and uncertainty analysis methods for robust parameter design. Engineering Optimization, 2006, 38, 821-831.	1.5	6
54	Bitwise Implementation of a Two-Dimensional Cellular Automata Biofilm Model. Journal of Computing in Civil Engineering, 2005, 19, 258-268.	2.5	16