

Lucia Sacchi

List of Publications by Year in descending order

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Version: 2024-02-01

115
papers

2,367
citations

236925

25
h-index

254184

43
g-index

122
all docs

122
docs citations

122
times ranked

3197
citing authors

#	ARTICLE	IF	CITATIONS
1	Eosinophilic cationic protein (ECP) in the clinical work-up of chronic cough. <i>Minerva Medica</i> , 2023, 114, .	0.9	1
2	Beyond ISN/RPS Lupus Nephritis Classification: Adding Chronicity Index to Clinical Variables Predicts Kidney Survival. <i>Kidney360</i> , 2022, 3, 122-132.	2.1	15
3	Process mining for healthcare: Characteristics and challenges. <i>Journal of Biomedical Informatics</i> , 2022, 127, 103994.	4.3	91
4	A Process Mining Pipeline to Characterize COVID-19 Patients' Trajectories and Identify Relevant Temporal Phenotypes From EHR Data. <i>Frontiers in Public Health</i> , 2022, 10, .	2.7	4
5	Personalising Symptoms Reporting in Telemonitoring Applications for Cancer Patients. <i>Studies in Health Technology and Informatics</i> , 2022, , .	0.3	0
6	Obstructive Sleep Apnea Home-Monitoring Using a Commercial Wearable Device. <i>Studies in Health Technology and Informatics</i> , 2022, , .	0.3	3
7	Cancer PATients Better Life Experience (CAPABLE) First Proof-of-Concept Demonstration. <i>Lecture Notes in Computer Science</i> , 2021, , 298-303.	1.3	2
8	Exploring the inter-subject variability in the relationship between glucose monitoring metrics and glycated hemoglobin for pediatric patients with type 1 diabetes. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2021, 34, 619-625.	0.9	4
9	Impaired Glucose-Insulin Metabolism in Multisystem Inflammatory Syndrome Related to SARS-CoV-2 in Children. <i>Children</i> , 2021, 8, 384.	1.5	7
10	Asymmetry at Disease Onset Is Not a Predictor of Parkinson's Disease Progression. <i>Journal of Parkinson's Disease</i> , 2021, 11, 1689-1694.	2.8	4
11	Continuous Glucose and Heart Rate Monitoring in Young People with Type 1 Diabetes: An Exploratory Study about Perspectives in Nocturnal Hypoglycemia Detection. <i>Metabolites</i> , 2021, 11, 5.	2.9	1
12	Automatic Data Transfer from OMOP-CDM to REDCap: A Semantically-Enriched Framework. <i>Studies in Health Technology and Informatics</i> , 2021, 287, 30-31.	0.3	2
13	Patient-Generated Health Data Integration and Advanced Analytics for Diabetes Management: The AID-GM Platform. <i>Sensors</i> , 2020, 20, 128.	3.8	13
14	Bringing spatiotemporal gait analysis into clinical practice: Instrument validation and pilot study of a commercial sensorized carpet. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 188, 105292.	4.7	6
15	Using topological data analysis and pseudo time series to infer temporal phenotypes from electronic health records. <i>Artificial Intelligence in Medicine</i> , 2020, 108, 101930.	6.5	16
16	What Role Can Process Mining Play in Recurrent Clinical Guidelines Issues? A Position Paper. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 6616.	2.6	12
17	Lack of EULAR/ERA-EDTA response at 1 year predicts poor long-term renal outcome in patients with lupus nephritis. <i>Annals of the Rheumatic Diseases</i> , 2020, 79, 1077-1083.	0.9	49
18	Subtraction Ictal SPECT coregistered to MRI (SISCOM) as a guide in localizing childhood epilepsy. <i>Epilepsia Open</i> , 2020, 5, 61-72.	2.4	6

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19	Mining post-surgical care processes in breast cancer patients. Artificial Intelligence in Medicine, 2020, 105, 101855.	6.5	16
20	Building Trajectories Over Topology with TDA-PTS: An Application in Modelling Temporal Phenotypes of Disease. Communications in Computer and Information Science, 2020, , 48-61.	0.5	1
21	Deep Learning Applied to Blood Glucose Prediction from Flash Glucose Monitoring and Fitbit Data. Lecture Notes in Computer Science, 2020, , 59-63.	1.3	3
22	Comparison of Models for Predicting the Risk of Falling in the Non-hospitalized Elderly and Evaluation of Their Performances on an Italian Population. , 2020, , .		0
23	Chromatin organization and timing of polar body I extrusion identify developmentally competent mouse oocytes. International Journal of Developmental Biology, 2019, 63, 245-251.	0.6	9
24	Opening the Black Box: Exploring Temporal Pattern of Type 2 Diabetes Complications in Patient Clustering Using Association Rules and Hidden Variable Discovery. , 2019, , .		6
25	Idiopathic Retroperitoneal Fibrosis: Long-term Risk and Predictors of Relapse. American Journal of Kidney Diseases, 2019, 74, 742-750.	1.9	19
26	What do healthcare professionals need to turn risk models for type 2 diabetes into usable computerized clinical decision support systems? Lessons learned from the MOSAIC project. BMC Medical Informatics and Decision Making, 2019, 19, 163.	3.0	11
27	Eliciting and Exploiting Utility Coefficients in an Integrated Environment for Shared Decision-Making. Methods of Information in Medicine, 2019, 58, 024-030.	1.2	8
28	Body hydration assessment using bioelectrical impedance vector analysis in neurologically impaired children. European Journal of Clinical Nutrition, 2019, 73, 1649-1652.	2.9	9
29	Inferring Temporal Phenotypes with Topological Data Analysis and Pseudo Time-Series. Lecture Notes in Computer Science, 2019, , 399-409.	1.3	6
30	Supervised methods to extract clinical events from cardiology reports in Italian. Journal of Biomedical Informatics, 2019, 95, 103219.	4.3	12
31	Causes of late transplant failure in cyclosporine-treated kidney allograft recipients. Clinical and Experimental Nephrology, 2019, 23, 1076-1086.	1.6	7
32	Periostin, type 2 biomarker, is not associated with asthma control grade in asthmatic allergic children. Respiratory Medicine, 2019, 151, 118-120.	2.9	15
33	Clustering Cardiovascular Risk Trajectories of Patients with Type 2 Diabetes Using Process Mining. , 2019, 2019, 341-344.		8
34	Towards the Economic Evaluation of Two Mini-invasive Surgical Techniques for Head&Neck Cancer: A Customizable Model for Different Populations. Lecture Notes in Computer Science, 2019, , 155-159.	1.3	2
35	NONCADO: A System to Prevent Falls by Encouraging Healthy Habits in Elderly People. Lecture Notes in Computer Science, 2019, , 227-232.	1.3	0
36	Clinical Guidelines: A Crossroad of Many Research Areas. Challenges and Opportunities in Process Mining for Healthcare. Lecture Notes in Business Information Processing, 2019, , 545-556.	1.0	14

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37	Permutation Entropy Applied to Fitbit Data: Long-Term Sleep Analysis on One Healthy Subject. Studies in Health Technology and Informatics, 2019, 261, 156-161.	0.3	0
38	Cross reactivity between recombinant parvalbumin of carp and cod and recombinant grass molecules. Journal of Biological Regulators and Homeostatic Agents, 2019, 33, 1931-1933.	0.7	0
39	Ontology-Driven Real World Evidence Extraction from Clinical Narratives. Studies in Health Technology and Informatics, 2019, 264, 1441-1442.	0.3	0
40	A dashboard-based system for supporting diabetes care. Journal of the American Medical Informatics Association: JAMIA, 2018, 25, 538-547.	4.4	57
41	Information extraction from Italian medical reports: An ontology-driven approach. International Journal of Medical Informatics, 2018, 111, 140-148.	3.3	15
42	Clinical characteristics of headache in Italian adolescents aged 11-16 years: a cross-sectional questionnaire school-based study. Italian Journal of Pediatrics, 2018, 44, 44.	2.6	24
43	Changing patterns in clinical-histological presentation and renal outcome over the last five decades in a cohort of 499 patients with lupus nephritis. Annals of the Rheumatic Diseases, 2018, 77, 1318-1325.	0.9	119
44	Careflow Mining Techniques to Explore Type 2 Diabetes Evolution. Journal of Diabetes Science and Technology, 2018, 12, 251-259.	2.2	16
45	Incorporating repeating temporal association rules in Naïve Bayes classifiers for coronary heart disease diagnosis. Journal of Biomedical Informatics, 2018, 81, 74-82.	4.3	25
46	Machine Learning Methods to Predict Diabetes Complications. Journal of Diabetes Science and Technology, 2018, 12, 295-302.	2.2	203
47	An Algorithm for Estimating Gait Parameters Through a Commercial Sensorized Carpet. , 2018, , .		1
48	Preface: AIME 2017. Artificial Intelligence in Medicine, 2018, 91, 1-2.	6.5	0
49	Big Data as a Driver for Clinical Decision Support Systems: A Learning Health Systems Perspective. Frontiers in Digital Humanities, 2018, 5, .	1.2	27
50	Patient similarity for precision medicine: A systematic review. Journal of Biomedical Informatics, 2018, 83, 87-96.	4.3	97
51	Risk factors for the development of micro-vascular complications of type 2 diabetes in a single-centre cohort of patients. Diabetes and Vascular Disease Research, 2018, 15, 424-432.	2.0	30
52	AID-GM: An Advanced System Supporting Continuous Monitoring of T1DM Patients. Studies in Health Technology and Informatics, 2018, 247, 616-620.	0.3	1
53	Automatic Processing of Anatomic Pathology Reports in the Italian Language to Enhance the Reuse of Clinical Data. Studies in Health Technology and Informatics, 2018, 247, 715-719.	0.3	1
54	Temporal electronic phenotyping by mining careflows of breast cancer patients. Journal of Biomedical Informatics, 2017, 66, 136-147.	4.3	46

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55	MobiGuide: a personalized and patient-centric decision-support system and its evaluation in the atrial fibrillation and gestational diabetes domains. User Modeling and User-Adapted Interaction, 2017, 27, 159-213.	3.8	43
56	Assessment of a personalized and distributed patient guidance system. International Journal of Medical Informatics, 2017, 101, 108-130.	3.3	61
57	Ethnic analogies and differences in fetal heart rate variability signal: A retrospective study. Journal of Obstetrics and Gynaecology Research, 2017, 43, 281-290.	1.3	10
58	Safely Addressing Patients with Atrial Fibrillation to Early Anticoagulation after Acute Stroke. Journal of Stroke and Cerebrovascular Diseases, 2017, 26, 7-18.	1.6	8
59	Clinical timelines development from textual medical reports in Italian. , 2017, , .		0
60	Generating and Comparing Knowledge Graphs of Medical Processes Using pMineR. , 2017, , .		20
61	Omalizumab in Children with Severe Allergic Asthma: The Italian Real- Life Experience. Current Respiratory Medicine Reviews, 2017, 13, 36-42.	0.2	57
62	Exploring IBM Watson to Extract Meaningful Information from the List of References of a Clinical Practice Guideline. Lecture Notes in Computer Science, 2017, , 193-197.	1.3	3
63	Recurrent Neural Network Architectures for Event Extraction from Italian Medical Reports. Lecture Notes in Computer Science, 2017, , 198-202.	1.3	4
64	pMineR: An Innovative R Library for Performing Process Mining in Medicine. Lecture Notes in Computer Science, 2017, , 351-355.	1.3	34
65	A Platform for Targeting Cost-Utility Analyses to Specific Populations. Lecture Notes in Computer Science, 2017, , 361-365.	1.3	3
66	Exploiting Temporal Constraints of Clinical Guidelines by Applying OpenEHR Archetypes. Studies in Health Technology and Informatics, 2017, 245, 1322.	0.3	0
67	Combining Naive Bayes Classifiers with Temporal Association Rules for Coronary Heart Disease Diagnosis. , 2016, , .		10
68	UceWeb: a Web-based Collaborative Tool for Collecting and Sharing Quality of Life Data. Methods of Information in Medicine, 2015, 54, 156-163.	1.2	13
69	Big Data Technologies. Journal of Diabetes Science and Technology, 2015, 9, 1119-1125.	2.2	28
70	Improving risk-stratification of Diabetes complications using temporal data mining. , 2015, 2015, 2131-4.		14
71	From data to the decision: A software architecture to integrate predictive modelling in clinical settings. , 2015, 2015, 8161-4.		5
72	Template for preparation of papers for IEEE sponsored conferences & symposia. , 2015, 2015, 2123-6.		0

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73	From decision to shared-decision: Introducing patients's preferences into clinical decision analysis. Artificial Intelligence in Medicine, 2015, 65, 19-28.	6.5	25
74	Graphical Representation of Life Paths to Better Convey Results of Decision Models to Patients. Medical Decision Making, 2015, 35, 398-402.	2.4	9
75	JTSA: An open source framework for time series abstractions. Computer Methods and Programs in Biomedicine, 2015, 121, 175-188.	4.7	12
76	Analyzing Complex Patients's Temporal Histories: New Frontiers in Temporal Data Mining. Methods in Molecular Biology, 2015, 1246, 89-105.	0.9	16
77	User Requirements for Incorporating Diabetes Modeling Techniques in Disease Management Tools. IFMBE Proceedings, 2015, , 992-995.	0.3	7
78	Improving Clinical Decisions on T2DM Patients Integrating Clinical, Administrative and Environmental Data. Studies in Health Technology and Informatics, 2015, 216, 682-6.	0.3	4
79	A proposal of architecture to share patients data out of healthcare settings for research purposes. , 2014, , .		1
80	Improving predictive models of glaucoma severity by incorporating quality indicators. Artificial Intelligence in Medicine, 2014, 60, 103-112.	6.5	5
81	Correlagenes: a new tool for the interpretation of the human transcriptome. BMC Bioinformatics, 2014, 15, S6.	2.6	4
82	Temporal abstractions to enrich Activity-Based Process Mining corpus with clinical time series. , 2014, , .		11
83	A data gathering framework to collect Type 2 diabetes patients data. , 2014, , .		12
84	Clinical factors associated with statins prescription in acute ischemic stroke patients: findings from the Lombardia Stroke Registry. BMC Neurology, 2014, 14, 53.	1.8	11
85	Temporal data mining and process mining techniques to identify cardiovascular risk-associated clinical pathways in Type 2 diabetes patients. , 2014, , .		14
86	Transcriptome based identification of mouse cumulus cell markers that predict the developmental competence of their enclosed antral oocytes. BMC Genomics, 2013, 14, 380.	2.8	29
87	Changes in Circulating Pro-Angiogenic Cytokines, other than VEGF, before Progression to Sunitinib Therapy in Advanced Renal Cell Carcinoma Patients. Oncology, 2013, 84, 115-122.	1.9	77
88	Supporting shared decision making within the MobiGuide project. AMIA ... Annual Symposium proceedings, 2013, 2013, 1175-84.	0.2	7
89	Patient-tailored workflow patterns from clinical practice guidelines recommendations. Studies in Health Technology and Informatics, 2013, 192, 392-6.	0.3	6
90	Forecast model for the evaluation of economic resources employed in the health care of patients with HIV infection. ClinicoEconomics and Outcomes Research, 2012, 4, 117.	1.9	0

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91	OCT4 and the acquisition of oocyte developmental competence during folliculogenesis. International Journal of Developmental Biology, 2012, 56, 853-858.	0.6	16
92	Implementation of an automated system for monitoring adherence to hemodialysis treatment: A report of seven years of experience. International Journal of Medical Informatics, 2012, 81, 320-331.	3.3	3
93	The genomic and proteomic blueprint of mouse megakaryocytes derived from embryonic stem cells. Journal of Thrombosis and Haemostasis, 2012, 10, 907-915.	3.8	9
94	Knowledge-based bioinformatics for the study of mammalian oocytes. International Journal of Developmental Biology, 2012, 56, 859-866.	0.6	1
95	Correlagenes: a new tool for the interpretation of the human transcriptome. EMBnet Journal, 2012, 18, 103.	0.6	1
96	The differentiation of cardiomyocytes from mouse embryonic stem cells is altered by dioxin. Toxicology Letters, 2011, 202, 226-236.	0.8	27
97	Mining Health Care Administrative Data with Temporal Association Rules on Hybrid Events. Methods of Information in Medicine, 2011, 50, 166-179.	1.2	29
98	Predictive data mining in clinical medicine: a focus on selected methods and applications. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2011, 1, 416-430.	6.8	73
99	Gatekeeper of pluripotency: A common Oct4 transcriptional network operates in mouse eggs and embryonic stem cells. BMC Genomics, 2011, 12, 1-13.	2.8	25
100	Iatrogenic hypoglycemia secondary to tight glucose control is an independent determinant for mortality and cardiac morbidity. European Journal of Cardio-thoracic Surgery, 2011, 40, 360-6.	1.4	16
101	Predictive value of baseline serum vascular endothelial growth factor and neutrophil gelatinase-associated lipocalin in advanced kidney cancer patients receiving sunitinib. Kidney International, 2010, 77, 809-815.	5.2	93
102	Methods and tools for mining multivariate temporal data in clinical and biomedical applications. , 2009, 2009, 5629-32.		11
103	Oct-4 regulates the expression of Stella and Foxj2 at the Nanog locus: implications for the developmental competence of mouse oocytes. Human Reproduction, 2009, 24, 2225-2237.	0.9	37
104	Mining Healthcare Data with Temporal Association Rules: Improvements and Assessment for a Practical Use. Lecture Notes in Computer Science, 2009, , 16-25.	1.3	30
105	Temporal Data Mining of HIV Registries: Results from a 25 Years Follow-Up. Lecture Notes in Computer Science, 2009, , 56-60.	1.3	1
106	Mining administrative and clinical diabetes data with temporal association rules. Studies in Health Technology and Informatics, 2009, 150, 574-8.	0.3	6
107	Maternal Oct-4 is a potential key regulator of the developmental competence of mouse oocytes. BMC Developmental Biology, 2008, 8, 97.	2.1	70
108	TimeClust: a clustering tool for gene expression time series. Bioinformatics, 2008, 24, 430-432.	4.1	50

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109	Inferring gene regulatory networks by integrating static and dynamic data. International Journal of Medical Informatics, 2007, 76, S462-S475.	3.3	7
110	Precedence Temporal Networks to represent temporal relationships in gene expression data. Journal of Biomedical Informatics, 2007, 40, 761-774.	4.3	12
111	Temporal abstraction for feature extraction: A comparative case study in prediction from intensive care monitoring data. Artificial Intelligence in Medicine, 2007, 41, 1-12.	6.5	38
112	Data mining with Temporal Abstractions: learning rules from time series. Data Mining and Knowledge Discovery, 2007, 15, 217-247.	3.7	118
113	Inferring gene expression networks via static and dynamic data integration. Studies in Health Technology and Informatics, 2006, 124, 119-24.	0.3	3
114	TA-clustering: Cluster analysis of gene expression profiles through Temporal Abstractions. International Journal of Medical Informatics, 2005, 74, 505-517.	3.3	22
115	Learning Rules with Complex Temporal Patterns in Biomedical Domains. Lecture Notes in Computer Science, 2005, , 23-32.	1.3	8