

Lucia Sacchi

List of Publications by Year in descending order

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Version: 2024-02-01

115
papers

2,367
citations

236612

25
h-index

253896

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, .	0.3	1
2	Beyond ISN/RPS Lupus Nephritis Classification: Adding Chronicity Index to Clinical Variables Predicts Kidney Survival. <i>Kidney360</i> , 2022, 3, 122-132.	0.9	15
3	Process mining for healthcare: Characteristics and challenges. <i>Journal of Biomedical Informatics</i> , 2022, 127, 103994.	2.5	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, .	1.3	4
5	Personalising Symptoms Reporting in Telemonitoring Applications for Cancer Patients. <i>Studies in Health Technology and Informatics</i> , 2022, , .	0.2	0
6	Obstructive Sleep Apnea Home-Monitoring Using a Commercial Wearable Device. <i>Studies in Health Technology and Informatics</i> , 2022, , .	0.2	3
7	CAnCER PATients Better Life Experience (CAPABLE) First Proof-of-Concept Demonstration. <i>Lecture Notes in Computer Science</i> , 2021, , 298-303.	1.0	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.	0.4	4
9	Impaired Glucose-Insulin Metabolism in Multisystem Inflammatory Syndrome Related to SARS-CoV-2 in Children. <i>Children</i> , 2021, 8, 384.	0.6	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.	1.5	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.	1.3	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.	0.2	2
13	Patient-Generated Health Data Integration and Advanced Analytics for Diabetes Management: The AID-GM Platform. <i>Sensors</i> , 2020, 20, 128.	2.1	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.	2.6	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.	3.8	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.	1.2	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.	0.5	49
18	Subtraction Ictal SPECT coregistered to MRI (SISCOM) as a guide in localizing childhood epilepsy. <i>Epilepsia Open</i> , 2020, 5, 61-72.	1.3	6

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19	Mining post-surgical care processes in breast cancer patients. <i>Artificial Intelligence in Medicine</i> , 2020, 105, 101855.	3.8	16
20	Building Trajectories Over Topology with TDA-PTS: An Application in Modelling Temporal Phenotypes of Disease. <i>Communications in Computer and Information Science</i> , 2020, , 48-61.	0.4	1
21	Deep Learning Applied to Blood Glucose Prediction from Flash Glucose Monitoring and Fitbit Data. <i>Lecture Notes in Computer Science</i> , 2020, , 59-63.	1.0	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. <i>International Journal of Developmental Biology</i> , 2019, 63, 245-251.	0.3	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. <i>American Journal of Kidney Diseases</i> , 2019, 74, 742-750.	2.1	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. <i>BMC Medical Informatics and Decision Making</i> , 2019, 19, 163.	1.5	11
27	Eliciting and Exploiting Utility Coefficients in an Integrated Environment for Shared Decision-Making. <i>Methods of Information in Medicine</i> , 2019, 58, 024-030.	0.7	8
28	Body hydration assessment using bioelectrical impedance vector analysis in neurologically impaired children. <i>European Journal of Clinical Nutrition</i> , 2019, 73, 1649-1652.	1.3	9
29	Inferring Temporal Phenotypes with Topological Data Analysis and Pseudo Time-Series. <i>Lecture Notes in Computer Science</i> , 2019, , 399-409.	1.0	6
30	Supervised methods to extract clinical events from cardiology reports in Italian. <i>Journal of Biomedical Informatics</i> , 2019, 95, 103219.	2.5	12
31	Causes of late transplant failure in cyclosporine-treated kidney allograft recipients. <i>Clinical and Experimental Nephrology</i> , 2019, 23, 1076-1086.	0.7	7
32	Periostin, type 2 biomarker, is not associated with asthma control grade in asthmatic allergic children. <i>Respiratory Medicine</i> , 2019, 151, 118-120.	1.3	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. <i>Lecture Notes in Computer Science</i> , 2019, , 155-159.	1.0	2
35	NONCADO: A System to Prevent Falls by Encouraging Healthy Habits in Elderly People. <i>Lecture Notes in Computer Science</i> , 2019, , 227-232.	1.0	0
36	Clinical Guidelines: A Crossroad of Many Research Areas. Challenges and Opportunities in Process Mining for Healthcare. <i>Lecture Notes in Business Information Processing</i> , 2019, , 545-556.	0.8	14

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37	Permutation Entropy Applied to Fitbit Data: Long-Term Sleep Analysis on One Healthy Subject. <i>Studies in Health Technology and Informatics</i> , 2019, 261, 156-161.	0.2	0
38	Cross reactivity between recombinant parvalbumin of carp and cod and recombinant grass molecules. <i>Journal of Biological Regulators and Homeostatic Agents</i> , 2019, 33, 1931-1933.	0.7	0
39	Ontology-Driven Real World Evidence Extraction from Clinical Narratives. <i>Studies in Health Technology and Informatics</i> , 2019, 264, 1441-1442.	0.2	0
40	A dashboard-based system for supporting diabetes care. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2018, 25, 538-547.	2.2	57
41	Information extraction from Italian medical reports: An ontology-driven approach. <i>International Journal of Medical Informatics</i> , 2018, 111, 140-148.	1.6	15
42	Clinical characteristics of headache in Italian adolescents aged 11-16 years: a cross-sectional questionnaire school-based study. <i>Italian Journal of Pediatrics</i> , 2018, 44, 44.	1.0	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. <i>Annals of the Rheumatic Diseases</i> , 2018, 77, 1318-1325.	0.5	119
44	Careflow Mining Techniques to Explore Type 2 Diabetes Evolution. <i>Journal of Diabetes Science and Technology</i> , 2018, 12, 251-259.	1.3	16
45	Incorporating repeating temporal association rules in Naïve Bayes classifiers for coronary heart disease diagnosis. <i>Journal of Biomedical Informatics</i> , 2018, 81, 74-82.	2.5	25
46	Machine Learning Methods to Predict Diabetes Complications. <i>Journal of Diabetes Science and Technology</i> , 2018, 12, 295-302.	1.3	203
47	An Algorithm for Estimating Gait Parameters Through a Commercial Sensorized Carpet. , 2018, , .		1
48	Preface: AIME 2017. <i>Artificial Intelligence in Medicine</i> , 2018, 91, 1-2.	3.8	0
49	Big Data as a Driver for Clinical Decision Support Systems: A Learning Health Systems Perspective. <i>Frontiers in Digital Humanities</i> , 2018, 5, .	1.2	27
50	Patient similarity for precision medicine: A systematic review. <i>Journal of Biomedical Informatics</i> , 2018, 83, 87-96.	2.5	97
51	Risk factors for the development of micro-vascular complications of type 2 diabetes in a single-centre cohort of patients. <i>Diabetes and Vascular Disease Research</i> , 2018, 15, 424-432.	0.9	30
52	AID-GM: An Advanced System Supporting Continuous Monitoring of T1DM Patients. <i>Studies in Health Technology and Informatics</i> , 2018, 247, 616-620.	0.2	1
53	Automatic Processing of Anatomic Pathology Reports in the Italian Language to Enhance the Reuse of Clinical Data. <i>Studies in Health Technology and Informatics</i> , 2018, 247, 715-719.	0.2	1
54	Temporal electronic phenotyping by mining careflows of breast cancer patients. <i>Journal of Biomedical Informatics</i> , 2017, 66, 136-147.	2.5	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. <i>User Modeling and User-Adapted Interaction</i> , 2017, 27, 159-213.	2.9	43
56	Assessment of a personalized and distributed patient guidance system. <i>International Journal of Medical Informatics</i> , 2017, 101, 108-130.	1.6	61
57	Ethnic analogies and differences in fetal heart rate variability signal: A retrospective study. <i>Journal of Obstetrics and Gynaecology Research</i> , 2017, 43, 281-290.	0.6	10
58	Safely Addressing Patients with Atrial Fibrillation to Early Anticoagulation after Acute Stroke. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2017, 26, 7-18.	0.7	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	Omaliuzumab in Children with Severe Allergic Asthma: The Italian Real- Life Experience. <i>Current Respiratory Medicine Reviews</i> , 2017, 13, 36-42.	0.1	57
62	Exploring IBM Watson to Extract Meaningful Information from the List of References of a Clinical Practice Guideline. <i>Lecture Notes in Computer Science</i> , 2017, , 193-197.	1.0	3
63	Recurrent Neural Network Architectures for Event Extraction from Italian Medical Reports. <i>Lecture Notes in Computer Science</i> , 2017, , 198-202.	1.0	4
64	pMineR: An Innovative R Library for Performing Process Mining in Medicine. <i>Lecture Notes in Computer Science</i> , 2017, , 351-355.	1.0	34
65	A Platform for Targeting Cost-Utility Analyses to Specific Populations. <i>Lecture Notes in Computer Science</i> , 2017, , 361-365.	1.0	3
66	Exploiting Temporal Constraints of Clinical Guidelines by Applying OpenEHR Archetypes. <i>Studies in Health Technology and Informatics</i> , 2017, 245, 1322.	0.2	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. <i>Methods of Information in Medicine</i> , 2015, 54, 156-163.	0.7	13
69	Big Data Technologies. <i>Journal of Diabetes Science and Technology</i> , 2015, 9, 1119-1125.	1.3	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.	3.8	25
74	Graphical Representation of Life Paths to Better Convey Results of Decision Models to Patients. Medical Decision Making, 2015, 35, 398-402.	1.2	9
75	JTSA: An open source framework for time series abstractions. Computer Methods and Programs in Biomedicine, 2015, 121, 175-188.	2.6	12
76	Analyzing Complex Patients's Temporal Histories: New Frontiers in Temporal Data Mining. Methods in Molecular Biology, 2015, 1246, 89-105.	0.4	16
77	User Requirements for Incorporating Diabetes Modeling Techniques in Disease Management Tools. IFMBE Proceedings, 2015, , 992-995.	0.2	7
78	Improving Clinical Decisions on T2DM Patients Integrating Clinical, Administrative and Environmental Data. Studies in Health Technology and Informatics, 2015, 216, 682-6.	0.2	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.	3.8	5
81	CorrelGenes: a new tool for the interpretation of the human transcriptome. BMC Bioinformatics, 2014, 15, S6.	1.2	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.	0.8	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.	1.2	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.	0.9	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.	0.2	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.	0.7	0

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91	OCT4 and the acquisition of oocyte developmental competence during folliculogenesis. <i>International Journal of Developmental Biology</i> , 2012, 56, 853-858.	0.3	16
92	Implementation of an automated system for monitoring adherence to hemodialysis treatment: A report of seven years of experience. <i>International Journal of Medical Informatics</i> , 2012, 81, 320-331.	1.6	3
93	The genomic and proteomic blueprint of mouse megakaryocytes derived from embryonic stem cells. <i>Journal of Thrombosis and Haemostasis</i> , 2012, 10, 907-915.	1.9	9
94	Knowledge-based bioinformatics for the study of mammalian oocytes. <i>International Journal of Developmental Biology</i> , 2012, 56, 859-866.	0.3	1
95	Correlagenes: a new tool for the interpretation of the human transcriptome. <i>EMBNet Journal</i> , 2012, 18, 103.	0.2	1
96	The differentiation of cardiomyocytes from mouse embryonic stem cells is altered by dioxin. <i>Toxicology Letters</i> , 2011, 202, 226-236.	0.4	27
97	Mining Health Care Administrative Data with Temporal Association Rules on Hybrid Events. <i>Methods of Information in Medicine</i> , 2011, 50, 166-179.	0.7	29
98	Predictive data mining in clinical medicine: a focus on selected methods and applications. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2011, 1, 416-430.	4.6	73
99	Gatekeeper of pluripotency: A common Oct4 transcriptional network operates in mouse eggs and embryonic stem cells. <i>BMC Genomics</i> , 2011, 12, 1-13.	1.2	25
100	Iatrogenic hypoglycemia secondary to tight glucose control is an independent determinant for mortality and cardiac morbidity. <i>European Journal of Cardio-thoracic Surgery</i> , 2011, 40, 360-6.	0.6	16
101	Predictive value of baseline serum vascular endothelial growth factor and neutrophil gelatinase-associated lipocalin in advanced kidney cancer patients receiving sunitinib. <i>Kidney International</i> , 2010, 77, 809-815.	2.6	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. <i>Human Reproduction</i> , 2009, 24, 2225-2237.	0.4	37
104	Mining Healthcare Data with Temporal Association Rules: Improvements and Assessment for a Practical Use. <i>Lecture Notes in Computer Science</i> , 2009, , 16-25.	1.0	30
105	Temporal Data Mining of HIV Registries: Results from a 25 Years Follow-Up. <i>Lecture Notes in Computer Science</i> , 2009, , 56-60.	1.0	1
106	Mining administrative and clinical diabetes data with temporal association rules. <i>Studies in Health Technology and Informatics</i> , 2009, 150, 574-8.	0.2	6
107	Maternal Oct-4 is a potential key regulator of the developmental competence of mouse oocytes. <i>BMC Developmental Biology</i> , 2008, 8, 97.	2.1	70
108	TimeClust: a clustering tool for gene expression time series. <i>Bioinformatics</i> , 2008, 24, 430-432.	1.8	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.	1.6	7
110	Precedence Temporal Networks to represent temporal relationships in gene expression data. Journal of Biomedical Informatics, 2007, 40, 761-774.	2.5	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.	3.8	38
112	Data mining with Temporal Abstractions: learning rules from time series. Data Mining and Knowledge Discovery, 2007, 15, 217-247.	2.4	118
113	Inferring gene expression networks via static and dynamic data integration. Studies in Health Technology and Informatics, 2006, 124, 119-24.	0.2	3
114	TA-clustering: Cluster analysis of gene expression profiles through Temporal Abstractions. International Journal of Medical Informatics, 2005, 74, 505-517.	1.6	22
115	Learning Rules with Complex Temporal Patterns in Biomedical Domains. Lecture Notes in Computer Science, 2005, , 23-32.	1.0	8