Lucia Sacchi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3061387/publications.pdf

Version: 2024-02-01

115	2,367	236925 25	254184 43
papers	citations	h-index	g-index

122	122	122	3197
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Machine Learning Methods to Predict Diabetes Complications. Journal of Diabetes Science and Technology, 2018, 12, 295-302.	2.2	203
2	Changing patterns in clinicalâ€“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
3	Data mining with Temporal Abstractions: learning rules from time series. Data Mining and Knowledge Discovery, 2007, 15, 217-247.	3.7	118
4	Patient similarity for precision medicine: A systematic review. Journal of Biomedical Informatics, 2018, 83, 87-96.	4.3	97
5	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
6	Process mining for healthcare: Characteristics and challenges. Journal of Biomedical Informatics, 2022, 127, 103994.	4.3	91
7	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
8	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
9	Maternal Oct-4 is a potential key regulator of the developmental competence of mouse oocytes. BMC Developmental Biology, 2008, 8, 97.	2.1	70
10	Assessment of a personalized and distributed patient guidance system. International Journal of Medical Informatics, 2017, 101, 108-130.	3.3	61
11	Omalizumab in Children with Severe Allergic Asthma: The Italian Real- Life Experience. Current Respiratory Medicine Reviews, 2017, 13, 36-42.	0.2	57
12	A dashboard-based system for supporting diabetes care. Journal of the American Medical Informatics Association: JAMIA, 2018, 25, 538-547.	4.4	57
13	TimeClust: a clustering tool for gene expression time series. Bioinformatics, 2008, 24, 430-432.	4.1	50
14	Lack of EULAR/ERA-EDTA response at 1 year predicts poor long-term renal outcome in patients with lupus nephritis. Annals of the Rheumatic Diseases, 2020, 79, 1077-1083.	0.9	49
15	Temporal electronic phenotyping by mining careflows of breast cancer patients. Journal of Biomedical Informatics, 2017, 66, 136-147.	4.3	46
16	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
17	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
18	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

#	Article	IF	Citations
19	pMineR: An Innovative R Library for Performing Process Mining in Medicine. Lecture Notes in Computer Science, 2017, , 351-355.	1.3	34
20	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
21	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
22	Mining Health Care Administrative Data with Temporal Association Rules on Hybrid Events. Methods of Information in Medicine, 2011, 50, 166-179.	1.2	29
23	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
24	Big Data Technologies. Journal of Diabetes Science and Technology, 2015, 9, 1119-1125.	2.2	28
25	The differentiation of cardiomyocytes from mouse embryonic stem cells is altered by dioxin. Toxicology Letters, 2011, 202, 226-236.	0.8	27
26	Big Data as a Driver for Clinical Decision Support Systems: A Learning Health Systems Perspective. Frontiers in Digital Humanities, 2018, 5, .	1.2	27
27	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
28	From decision to shared-decision: Introducing patientsâ€™ preferences into clinical decision analysis. Artificial Intelligence in Medicine, 2015, 65, 19-28.	6.5	25
29	Incorporating repeating temporal association rules in NaÃ¯ve Bayes classifiers for coronary heart disease diagnosis. Journal of Biomedical Informatics, 2018, 81, 74-82.	4.3	25
30	Clinical characteristics of headache in Italian adolescents aged 11â€“16Âyears: a cross-sectional questionnaire school-based study. Italian Journal of Pediatrics, 2018, 44, 44.	2.6	24
31	TA-clustering: Cluster analysis of gene expression profiles through Temporal Abstractions. International Journal of Medical Informatics, 2005, 74, 505-517.	3.3	22
32	Generating and Comparing Knowledge Graphs of Medical Processes Using pMineR. , 2017, , .		20
33	Idiopathic Retroperitoneal Fibrosis: Long-term Risk and Predictors of Relapse. American Journal of Kidney Diseases, 2019, 74, 742-750.	1.9	19
34	Iatrogenic hypoglycemia secondary to tight glucose control is an independent determinant for mortality and cardiac morbidityâ¨†. European Journal of Cardio-thoracic Surgery, 2011, 40, 360-6.	1.4	16
35	OCT4 and the acquisition of oocyte developmental competence during folliculogenesis. International Journal of Developmental Biology, 2012, 56, 853-858.	0.6	16
36	Careflow Mining Techniques to Explore Type 2 Diabetes Evolution. Journal of Diabetes Science and Technology, 2018, 12, 251-259.	2.2	16

#	Article	IF	Citations
37	Using topological data analysis and pseudo time series to infer temporal phenotypes from electronic health records. Artificial Intelligence in Medicine, 2020, 108, 101930.	6.5	16
38	Mining post-surgical care processes in breast cancer patients. Artificial Intelligence in Medicine, 2020, 105, 101855.	6.5	16
39	Analyzing Complex Patientsâ€™ Temporal Histories: New Frontiers in Temporal Data Mining. Methods in Molecular Biology, 2015, 1246, 89-105.	0.9	16
40	Information extraction from Italian medical reports: An ontology-driven approach. International Journal of Medical Informatics, 2018, 111, 140-148.	3.3	15
41	Periostin, type 2 biomarker, is not associated with asthma control grade in asthmatic allergic children. Respiratory Medicine, 2019, 151, 118-120.	2.9	15
42	Beyond ISN/RPS Lupus Nephritis Classification: Adding Chronicity Index to Clinical Variables Predicts Kidney Survival. Kidney360, 2022, 3, 122-132.	2.1	15
43	Temporal data mining and process mining techniques to identify cardiovascular risk-associated clinical pathways in Type 2 diabetes patients. , 2014, , .		14
44	Improving risk-stratification of Diabetes complications using temporal data mining. , 2015, 2015, 2131-4.		14
45	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
46	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
47	Patient-Generated Health Data Integration and Advanced Analytics for Diabetes Management: The AID-GM Platform. Sensors, 2020, 20, 128.	3.8	13
48	Precedence Temporal Networks to represent temporal relationships in gene expression data. Journal of Biomedical Informatics, 2007, 40, 761-774.	4.3	12
49	A data gathering framework to collect Type 2 diabetes patients data. , 2014, , .		12
50	JTSA: An open source framework for time series abstractions. Computer Methods and Programs in Biomedicine, 2015, 121, 175-188.	4.7	12
51	Supervised methods to extract clinical events from cardiology reports in Italian. Journal of Biomedical Informatics, 2019, 95, 103219.	4.3	12
52	What Role Can Process Mining Play in Recurrent Clinical Guidelines Issues? A Position Paper. International Journal of Environmental Research and Public Health, 2020, 17, 6616.	2.6	12
53	Methods and tools for mining multivariate temporal data in clinical and biomedical applications. , 2009, 2009, 5629-32.		11
54	Temporal abstractions to enrich Activity-Based Process Mining corpus with clinical time series. , 2014, , .		11

#	Article	IF	Citations
55	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
56	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
57	Combining Naive Bayes Classifiers with Temporal Association Rules for Coronary Heart Disease Diagnosis. , 2016, , .		10
58	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
59	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
60	Graphical Representation of Life Paths to Better Convey Results of Decision Models to Patients. Medical Decision Making, 2015, 35, 398-402.	2.4	9
61	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
62	Body hydration assessment using bioelectrical impedance vector analysis in neurologically impaired children. European Journal of Clinical Nutrition, 2019, 73, 1649-1652.	2.9	9
63	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
64	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
65	Clustering Cardiovascular Risk Trajectories of Patients with Type 2 Diabetes Using Process Mining. , 2019, 2019, 341-344.		8
66	Learning Rules with Complex Temporal Patterns in Biomedical Domains. Lecture Notes in Computer Science, 2005, , 23-32.	1.3	8
67	Inferring gene regulatory networks by integrating static and dynamic data. International Journal of Medical Informatics, 2007, 76, S462-S475.	3.3	7
68	Causes of late transplant failure in cyclosporine-treated kidney allograft recipients. Clinical and Experimental Nephrology, 2019, 23, 1076-1086.	1.6	7
69	Impaired Glucose-Insulin Metabolism in Multisystem Inflammatory Syndrome Related to SARS-CoV-2 in Children. Children, 2021, 8, 384.	1.5	7
70	User Requirements for Incorporating Diabetes Modeling Techniques in Disease Management Tools. IFMBE Proceedings, 2015, , 992-995.	0.3	7
71	Supporting shared decision making within the MobiGuide project. AMIA ... Annual Symposium proceedings, 2013, 2013, 1175-84.	0.2	7
72	Opening the Black Box: Exploring Temporal Pattern of Type 2 Diabetes Complications in Patient Clustering Using Association Rules and Hidden Variable Discovery. , 2019, , .		6

#	Article	IF	Citations
73	Inferring Temporal Phenotypes with Topological Data Analysis and Pseudo Time-Series. Lecture Notes in Computer Science, 2019, , 399-409.	1.3	6
74	Bringing spatiotemporal gait analysis into clinical practice: Instrument validation and pilot study of a commercial sensorized carpet. Computer Methods and Programs in Biomedicine, 2020, 188, 105292.	4.7	6
75	Subtraction Ictal SPECT coregistered to MRI (SISCOM) as a guide in localizing childhood epilepsy. Epilepsia Open, 2020, 5, 61-72.	2.4	6
76	Mining administrative and clinical diabetes data with temporal association rules. Studies in Health Technology and Informatics, 2009, 150, 574-8.	0.3	6
77	Patient-tailored workflow patterns from clinical practice guidelines recommendations. Studies in Health Technology and Informatics, 2013, 192, 392-6.	0.3	6
78	Improving predictive models of glaucoma severity by incorporating quality indicators. Artificial Intelligence in Medicine, 2014, 60, 103-112.	6.5	5
79	From data to the decision: A software architecture to integrate predictive modelling in clinical settings. , 2015, 2015, 8161-4.		5
80	CorrelaGenes: a new tool for the interpretation of the human transcriptome. BMC Bioinformatics, 2014, 15, S6.	2.6	4
81	Exploring the inter-subject variability in the relationship between glucose monitoring metrics and glycated hemoglobin for pediatric patients with type 1 diabetes. Journal of Pediatric Endocrinology and Metabolism, 2021, 34, 619-625.	0.9	4
82	Asymmetry at Disease Onset Is Not a Predictor of Parkinsonâ€™s Disease Progression. Journal of Parkinson's Disease, 2021, 11, 1689-1694.	2.8	4
83	Recurrent Neural Network Architectures for Event Extraction from Italian Medical Reports. Lecture Notes in Computer Science, 2017, , 198-202.	1.3	4
84	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
85	A Process Mining Pipeline to Characterize COVID-19 Patients' Trajectories and Identify Relevant Temporal Phenotypes From EHR Data. Frontiers in Public Health, 2022, 10, .	2.7	4
86	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
87	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
88	A Platform for Targeting Cost-Utility Analyses to Specific Populations. Lecture Notes in Computer Science, 2017, , 361-365.	1.3	3
89	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
90	Inferring gene expression networks via static and dynamic data integration. Studies in Health Technology and Informatics, 2006, 124, 119-24.	0.3	3

#	Article	IF	Citations
91	Obstructive Sleep Apnea Home-Monitoring Using a Commercial Wearable Device. Studies in Health Technology and Informatics, 2022, , .	0.3	3
92	CAncer PAtients Better Life Experience (CAPABLE) First Proof-of-Concept Demonstration. Lecture Notes in Computer Science, 2021, , 298-303.	1.3	2
93	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
94	Automatic Data Transfer from OMOP-CDM to REDCap: A Semantically-Enriched Framework. Studies in Health Technology and Informatics, 2021, 287, 30-31.	0.3	2
95	A proposal of architecture to share patients data out of healthcare settings for research purposes. , 2014, , .		1
96	An Algorithm for Estimating Gait Parameters Through a Commercial Sensorized Carpet. , 2018, , .		1
97	Eosinophilic cationic protein (ECP) in the clinical work-up of chronic cough. Minerva Medica, 2023, 114, .	0.9	1
98	Temporal Data Mining of HIV Registries: Results from a 25 Years Follow-Up. Lecture Notes in Computer Science, 2009, , 56-60.	1.3	1
99	Knowledge-based bioinformatics for the study of mammalian oocytes. International Journal of Developmental Biology, 2012, 56, 859-866.	0.6	1
100	Continuous Glucose and Heart Rate Monitoring in Young People with Type 1 Diabetes: An Exploratory Study about Perspectives in Nocturnal Hypoglycemia Detection. Metabolites, 2021, 11, 5.	2.9	1
101	CorrelaGenes: a new tool for the interpretation of the human transcriptome. EMBnet Journal, 2012, 18, 103.	0.6	1
102	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
103	AID-GM: An Advanced System Supporting Continuous Monitoring of T1DM Patients. Studies in Health Technology and Informatics, 2018, 247, 616-620.	0.3	1
104	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
105	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
106	Template for preparation of papers for IEEE sponsored conferences & symposia. , 2015, 2015, 2123-6.		0
107	Clinical timelines development from textual medical reports in Italian. , 2017, , .		0
108	Preface: AIME 2017. Artificial Intelligence in Medicine, 2018, 91, 1-2.	6.5	0

#	Article	IF	Citations
109	NONCADO: A System to Prevent Falls by Encouraging Healthy Habits in Elderly People. Lecture Notes in Computer Science, 2019, , 227-232.	1.3	0
110	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
111	Exploiting Temporal Constraints of Clinical Guidelines by Applying OpenEHR Archetypes. Studies in Health Technology and Informatics, 2017, 245, 1322.	0.3	0
112	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
113	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
114	Ontology-Driven Real World Evidence Extraction from Clinical Narratives. Studies in Health Technology and Informatics, 2019, 264, 1441-1442.	0.3	0
115	Personalising Symptoms Reporting in Telemonitoring Applications for Cancer Patients. Studies in Health Technology and Informatics, 2022, , .	0.3	0