Riccardo Bellazzi

List of Publications by Year
in descending order

341 papers	10,076 citations	44069 48 h-index	54911 84 g-index
374 all docs	374 docs citations	374 times ranked	14597 citing authors

#	Article	IF	Citations
1	Predictive data mining in clinical medicine: Current issues and guidelines. International Journal of Medical Informatics, 2008, 77, 81-97.	3.3	653
2	Atlas of the clinical genetics of human dilated cardiomyopathy. European Heart Journal, 2015, 36, 1123-1135.	2.2	456
3	The coming of age of artificial intelligence in medicine. Artificial Intelligence in Medicine, 2009, 46, 5-17.	6.5	403
4	Association of the *FOXO3A* Locus with Extreme Longevity in a Southern Italian Centenarian Study. Rejuvenation Research, 2009, 12, 95-104.	1.8	282
5	Clinical Effects of Driver Somatic Mutations on the Outcomes of Patients With Myelodysplastic Syndromes Treated With Allogeneic Hematopoietic Stem-Cell Transplantation. Journal of Clinical Oncology, 2016, 34, 3627-3637.	1.6	204
6	The MOGE(S) Classification for a Phenotype–Genotype Nomenclature of Cardiomyopathy. Journal of the American College of Cardiology, 2013, 62, 2046-2072.	2.8	203
7	Machine Learning Methods to Predict Diabetes Complications. Journal of Diabetes Science and Technology, 2018, 12, 295-302.	2.2	203
8	Polymorphisms in the NOS1APGene Modulate QT Interval Duration and Risk of Arrhythmias in the Long QT Syndrome. Journal of the American College of Cardiology, 2010, 55, 2745-2752.	2.8	163
9	The MOGE(S) Classification of Cardiomyopathy for Clinicians. Journal of the American College of Cardiology, 2014, 64, 304-318.	2.8	158
10	Arrhythmogenic Right Ventricular Cardiomyopathy. Journal of the American College of Cardiology, 2016, 68, 2540-2550.	2.8	148
11	Cased-Based Reasoning for medical knowledge-based systems. International Journal of Medical Informatics, 2001, 64, 355-367.	3.3	140
12	Interplay Between Genetic Substrate, QTcÂDuration, and Arrhythmia Risk in Patients With Long QT Syndrome. Journal of the American College of Cardiology, 2018, 71, 1663-1671.	2.8	137
13	A Genome-Wide Association Study of Diabetic Kidney Disease in Subjects With Type 2 Diabetes. Diabetes, 2018, 67, 1414-1427.	0.6	136
14	Integrated Multi-Omics Analyses in Oncology: A Review of Machine Learning Methods and Tools. Frontiers in Oncology, 2020, 10, 1030.	2.8	134
15	Big Data and Biomedical Informatics: A Challenging Opportunity. Yearbook of Medical Informatics, 2014, 23, 08-13.	1.0	132
16	International electronic health record-derived COVID-19 clinical course profiles: the 4CE consortium. Npj Digital Medicine, 2020, 3, 109.	10.9	128
17	The subcutaneous route to insulin dependent diabetes therapy. IEEE Engineering in Medicine and Biology Magazine, 2001, 20, 54-64.	0.8	119
18	Data mining with Temporal Abstractions: learning rules from time series. Data Mining and Knowledge Discovery, 2007, 15, 217-247.	3.7	118

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19	A telemedicine support for diabetes management: the T-IDDM project. Computer Methods and Programs in Biomedicine, 2002, 69, 147-161.	4.7	109
20	MTGO: PPI Network Analysis Via Topological and Functional Module Identification. Scientific Reports, 2018, 8, 5499.	3.3	103
21	The Genetic Landscape of Renal Complications in Type 1 Diabetes. Journal of the American Society of Nephrology: JASN, 2017, 28, 557-574.	6.1	101
22	Patient similarity for precision medicine: A systematic review. Journal of Biomedical Informatics, 2018, 83, 87-96.	4.3	97
23	Web-based telemedicine systems for home-care: technical issues and experiences. Computer Methods and Programs in Biomedicine, 2001, 64, 175-187.	4.7	93
24	Temporal data mining for the quality assessment of hemodialysis services. Artificial Intelligence in Medicine, 2005, 34, 25-39.	6.5	93
25	TWEAK is a positive regulator of cardiomyocyte proliferation. Cardiovascular Research, 2010, 85, 681-690.	3.8	90
26	Trustworthy reuse of health data: A transnational perspective. International Journal of Medical Informatics, 2013, 82, 1-9.	3.3	87
27	Thirty years of artificial intelligence in medicine (AIME) conferences: A review of research themes. Artificial Intelligence in Medicine, 2015, 65, 61-73.	6.5	84
28	Genetic Analysis Reveals a Longevity-Associated Protein Modulating Endothelial Function and Angiogenesis. Circulation Research, 2015, 117, 333-345.	4.5	78
29	A Network-Based Data Integration Approach to Support Drug Repurposing and Multi-Target Therapies in Triple Negative Breast Cancer. PLoS ONE, 2016, 11, e0162407.	2.5	74
30	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
31	Association Study on Long-Living Individuals from Southern Italy Identifies rs10491334 in the *CAMKIV* Gene That Regulates Survival Proteins. Rejuvenation Research, 2011, 14, 283-291.	1.8	72
32	Towards knowledge-based gene expression data mining. Journal of Biomedical Informatics, 2007, 40, 787-802.	4.3	70
33	Maternal Oct-4 is a potential key regulator of the developmental competence of mouse oocytes. BMC Developmental Biology, 2008, 8, 97.	2.1	70
34	Health informatics and EHR to support clinical research in the COVID-19 pandemic: an overview. Briefings in Bioinformatics, 2021, 22, 812-822.	6.5	67
35	Trusting telemedicine: A discussion on risks, safety, legal implications and liability of involved stakeholders. International Journal of Medical Informatics, 2018, 112, 90-98.	3.3	66
36	Improving molecular diagnosis in epilepsy by a dedicated high-throughput sequencing platform. European Journal of Human Genetics, 2015, 23, 354-362.	2.8	64

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37	Hydroquinidine Prevents Life-Threatening Arrhythmic Events in Patients With ShortÂQTÂSyndrome. Journal of the American College of Cardiology, 2017, 70, 3010-3015.	2.8	64
38	Intelligent analysis of clinical time series: an application in the diabetes mellitus domain. Artificial Intelligence in Medicine, 2000, 20, 37-57.	6.5	63
39	Exposome informatics: considerations for the design of future biomedical research information systems. Journal of the American Medical Informatics Association: JAMIA, 2014, 21, 386-390.	4.4	63
40	Data Analysis and Data Mining: Current Issues in Biomedical Informatics. Methods of Information in Medicine, 2011, 50, 536-544.	1.2	62
41	Expression of estrogen and androgen receptors in differentiated thyroid cancer: an additional criterion to assess the patient's risk. Endocrine-Related Cancer, 2012, 19, 463-471.	3.1	61
42	What Every Reader Should Know About Studies Using Electronic Health Record Data but May Be Afraid to Ask. Journal of Medical Internet Research, 2021, 23, e22219.	4.3	61
43	Design, Methods, and Evaluation Directions of a Multi-Access Service for the Management of Diabetes Mellitus Patients. Diabetes Technology and Therapeutics, 2003, 5, 621-629.	4.4	58
44	Case-based retrieval to support the treatment of end stage renal failure patients. Artificial Intelligence in Medicine, 2006, 37, 31-42.	6.5	57
45	Protein biomarkers for the prediction of cardiovascular disease in type 2 diabetes. Diabetologia, 2015, 58, 1363-1371.	6.3	57
46	A dashboard-based system for supporting diabetes care. Journal of the American Medical Informatics Association: JAMIA, 2018, 25, 538-547.	4.4	57
47	Integrating model-based decision support in a multi-modal reasoning system for managing type 1 diabetic patients. Artificial Intelligence in Medicine, 2003, 29, 131-151.	6.5	56
48	A hierarchical NaÃ¯ve Bayes Model for handling sample heterogeneity in classification problems: an application to tissue microarrays. BMC Bioinformatics, 2006, 7, 514.	2.6	54
49	Bayesian function learning using MCMC methods. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1998, 20, 1319-1331.	13.9	50
50	TimeClust: a clustering tool for gene expression time series. Bioinformatics, 2008, 24, 430-432.	4.1	50
51	Integrating machine learning techniques and physiology based heart rate features for antepartum fetal monitoring. Computer Methods and Programs in Biomedicine, 2020, 185, 105015.	4.7	50
52	Association of rs2200733 at 4q25 with atrial flutter/fibrillation diseases in an Italian population. Heart, 2008, 94, 1394-1396.	2.9	49
53	Supporting decisions in medical applications: the knowledge management perspective. International Journal of Medical Informatics, 2002, 68, 79-90.	3.3	46
54	A Dynamic Bayesian Network model for long-term simulation of clinical complications in type 1 diabetes. Journal of Biomedical Informatics, 2015, 57, 369-376.	4.3	46

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55	Temporal electronic phenotyping by mining careflows of breast cancer patients. Journal of Biomedical Informatics, 2017, 66, 136-147.	4.3	46
56	Adaptive controllers for intelligent monitoring. Artificial Intelligence in Medicine, 1995, 7, 515-540.	6.5	45
57	Improving data and knowledge management to better integrate health care and research. Journal of Internal Medicine, 2013, 274, 321-328.	6.0	44
58	PaPI: pseudo amino acid composition to score human protein-coding variants. BMC Bioinformatics, 2015, 16, 123.	2.6	44
59	Democratized image analytics by visual programming through integration of deep models and small-scale machine learning. Nature Communications, 2019, 10, 4551.	12.8	44
60	Minimal model $S_I=0$ problem in NIDDM subjects: nonzero Bayesian estimates with credible confidence intervals. American Journal of Physiology - Endocrinology and Metabolism, 2002, 282, E564-E573.	3.5	42
61	Management of Patients with Diabetes Through Information Technology: Tools for Monitoring and Control of the Patients' Metabolic Behavior. Diabetes Technology and Therapeutics, 2004, 6, 567-578.	4.4	40
62	Transcriptional Profiles of Mating-Responsive Genes from Testes and Male Accessory Glands of the Mediterranean Fruit Fly, Ceratitis capitata. PLoS ONE, 2012, 7, e46812.	2.5	40
63	Different molecular mechanisms causing 9p21 deletions in acute lymphoblastic leukemia of childhood. Human Genetics, 2009, 126, 511-520.	3.8	39
64	Network-based target ranking for polypharmacological therapies. Journal of Biomedical Informatics, 2013, 46, 876-881.	4.3	39
65	Comparison of Elastographic Strain Index and Thyroid Fine-Needle Aspiration Cytology in 631 Thyroid Nodules. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 4790-4797.	3.6	39
66	Serum BPIFB4 levels classify health status in long-living individuals. Immunity and Ageing, 2015, 12, 27.	4.2	39
67	The Role of SwrA, DegU and PD3 in fla/che Expression in B. subtilis. PLoS ONE, 2013, 8, e85065.	2.5	39
68	Meta-Analysis of the Effect of the Use of Computer-Based Systems on the Metabolic Control of Patients with Diabetes Mellitus. Diabetes Technology and Therapeutics, 2001, 3, 347-356.	4.4	38
69	Bayesian approaches to reverse engineer cellular systems: a simulation study on nonlinear Gaussian networks. BMC Bioinformatics, 2007, 8, S2.	2.6	38
70	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
71	Drug Delivery Optimization through Bayesian Networks: An Application to Erythropoietin Therapy in Uremic Anemia. Journal of Biomedical Informatics, 1993, 26, 274-293.	0.7	37
72	Learning temporal probabilistic causal models from longitudinal data. Artificial Intelligence in Medicine, 1996, 8, 217-234.	6.5	37

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73	Telemedicine and Diabetes Management: Current Challenges and Future Research Directions. Journal of Diabetes Science and Technology, 2008, 2, 98-104.	2.2	37
74	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
75	Validation of an internationally derived patient severity phenotype to support COVID-19 analytics from electronic health record data. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 1411-1420.	4.4	37
76	Automatic Adaptive System Dialysis for Hemodialysis-Associated Hypotension and Intolerance: A Noncontrolled Multicenter Trial. American Journal of Kidney Diseases, 2011, 58, 93-100.	1.9	36
77	Diabetic patients management exploiting case-based reasoning techniques. Computer Methods and Programs in Biomedicine, 2000, 62, 205-218.	4.7	35
78	The relationship between focal seizures and sleep: An analysis of the cyclic alternating pattern. Epilepsy Research, 2005, 67, 73-80.	1.6	35
79	Quantitative Expression of the Mutated Lamin A/C Gene in Patients With Cardiolaminopathy. Journal of the American College of Cardiology, 2012, 60, 1916-1920.	2.8	34
80	A Stochastic Model to Assess the Variability of Blood Glucose Time Series in Diabetic Patients Self-Monitoring. IEEE Transactions on Biomedical Engineering, 2006, 53, 977-985.	4.2	33
81	Epigenetic analysis of the critical region I for premature ovarian failure: demonstration of a highly heterochromatic domain on the long arm of the mammalian X chromosome. Journal of Medical Genetics, 2009, 46, 585-592.	3.2	33
82	International Analysis of Electronic Health Records of Children and Youth Hospitalized With COVID-19 Infection in 6 Countries. JAMA Network Open, 2021, 4, e2112596.	5.9	33
83	Qualitative models and fuzzy systems: an integrated approach for learning from data. Artificial Intelligence in Medicine, 1998, 14, 5-28.	6.5	32
84	Bayesian networks for patient monitoring. Artificial Intelligence in Medicine, 1992, 4, 243-260.	6.5	31
85	CardioVAI: An automatic implementation of ACMG-AMP variant interpretation guidelines in the diagnosis of cardiovascular diseases. Human Mutation, 2018, 39, 1835-1846.	2.5	31
86	SCOR: A secure international informatics infrastructure to investigate COVID-19. Journal of the American Medical Informatics Association: JAMIA, 2020, 27, 1721-1726.	4.4	31
87	Linc00941 Is a Novel Transforming Growth Factor Î² Target That Primes Papillary Thyroid Cancer Metastatic Behavior by Regulating the Expression of Cadherin 6. Thyroid, 2021, 31, 247-263.	4.5	31
88	Data Mining Technologies for Blood Glucose and Diabetes Management. Journal of Diabetes Science and Technology, 2009, 3, 603-612.	2.2	30
89	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
90	A survey on single and multi omics data mining methods in cancer data classification. Journal of Biomedical Informatics, 2020, 107, 103466.	4.3	30

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91	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
92	Retrieval in a prototype-based case library: A case study in diabetes therapy revision. Lecture Notes in Computer Science, 1998, , 64-75.	1.3	29
93	Mining Health Care Administrative Data with Temporal Association Rules on Hybrid Events. Methods of Information in Medicine, 2011, 50, 166-179.	1.2	29
94	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
95	Autologous micrograft accelerates endogenous wound healing response through ERK-induced cell migration. Cell Death and Differentiation, 2020, 27, 1520-1538.	11.2	29
96	Big Data Technologies. Journal of Diabetes Science and Technology, 2015, 9, 1119-1125.	2.2	28
97	The MOGE(S) Classification for a Phenotype–Genotype Nomenclature of Cardiomyopathy: Endorsed by the World Heart Federation. Global Heart, 2013, 8, 355.	2.3	28
98	Protocol-based reasoning in diabetic patient management. International Journal of Medical Informatics, 1999, 53, 61-77.	3.3	27
99	The differentiation of cardiomyocytes from mouse embryonic stem cells is altered by dioxin. Toxicology Letters, 2011, 202, 226-236.	0.8	27
100	Big Data as a Driver for Clinical Decision Support Systems: A Learning Health Systems Perspective. Frontiers in Digital Humanities, 2018, 5, .	1.2	27
101	An ICT infrastructure to integrate clinical and molecular data in oncology research. BMC Bioinformatics, 2012, 13, S5.	2.6	26
102	A Refinement of Hong's Technique for the Removal of Stuck Dialysis Catheters: An Easy Solution to a Complex Problem. Journal of Vascular Access, 2014, 15, 183-188.	0.9	26
103	Combining clinical and genomics queries using i2b2 – Three methods. PLoS ONE, 2017, 12, e0172187.	2.5	26
104	A machine learning approach based on ACMG/AMP guidelines for genomic variant classification and prioritization. Scientific Reports, 2022, 12, 2517.	3.3	26
105	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
106	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
107	Comparative Study of Salivary, Duodenal, and Fecal Microbiota Composition Across Adult Celiac Disease. Journal of Clinical Medicine, 2020, 9, 1109.	2.4	25
108	Genome-Wide Association Study of Peripheral Artery Disease. Circulation Genomic and Precision Medicine, 2021, 14, e002862.	3.6	24

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109	Evaluating pointwise reliability of machine learning prediction. Journal of Biomedical Informatics, 2022, 127, 103996.	4.3	24
110	Bayesian analysis of blood glucose time series from diabetes home monitoring. IEEE Transactions on Biomedical Engineering, 2000, 47, 971-975.	4.2	23
111	Nonparametric AUC estimation in population studies with incomplete sampling: a Bayesian approach. Journal of Pharmacokinetics and Pharmacodynamics, 2002, 29, 445-471.	1.8	23
112	Going Mobile with a Multiaccess Service for the Management of Diabetic Patients. Journal of Diabetes Science and Technology, 2007, 1, 730-737.	2.2	23
113	Monitoring Artificial Pancreas Trials Through Agent-based Technologies. Journal of Diabetes Science and Technology, 2014, 8, 216-224.	2.2	23
114	Experimental subarachnoid hemorrhage: Events related to anti-oxidant enzymatic systems and eicosanoid peroxide enhancement. Neurochemical Research, 1994, 19, 839-844.	3.3	22
115	Temporal Abstractions for diabetic patients management. Lecture Notes in Computer Science, 1997, , 319-330.	1.3	22
116	Three Thiamine Analogues Differently Alter Thiamine Transport and Metabolism in Nervous Tissue: An In Vivo Kinetic Study Using Rats. Metabolic Brain Disease, 2003, 18, 245-263.	2.9	22
117	TA-clustering: Cluster analysis of gene expression profiles through Temporal Abstractions. International Journal of Medical Informatics, 2005, 74, 505-517.	3.3	22
118	Lower motor neuron disease with respiratory failure caused by a novel *MAPT* mutation. Neurology, 2014, 82, 1990-1998.	1.1	21
119	Cytoplasmic movements of the early human embryo: imaging and artificial intelligence to predict blastocyst development. Reproductive BioMedicine Online, 2021, 42, 521-528.	2.4	21
120	Bringing the Artificial Pancreas Home: Telemedicine Aspects. Journal of Diabetes Science and Technology, 2011, 5, 1381-1386.	2.2	20
121	BigQ: a NoSQL based framework to handle genomic variants in i2b2. BMC Bioinformatics, 2015, 16, 415.	2.6	20
122	Can we use linear Gaussian networks to model dynamic interactions among genes? Results from a simulation study. , 2006, , .		19
123	Novel genetic susceptibility loci for diabetic end-stage renal disease identified through robust naive Bayes classification. Diabetologia, 2014, 57, 1611-1622.	6.3	19
124	Out-of-Home Activity Recognition from GPS Data in Schizophrenic Patients. , 2016, , .		19
125	Integration of Administrative, Clinical, and Environmental Data to Support the Management of Type 2 Diabetes Mellitus. Journal of Diabetes Science and Technology, 2016, 10, 19-26.	2.2	19
126	International Changes in COVID-19 Clinical Trajectories Across 315 Hospitals and 6 Countries: Retrospective Cohort Study. Journal of Medical Internet Research, 2021, 23, e31400.	4.3	19

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127	A distributed system for diabetic patient management. Computer Methods and Programs in Biomedicine, 1998, 56, 93-107.	4.7	18
128	Stage prediction of embryonic stem cell differentiation from genome-wide expression data. Bioinformatics, 2011, 27, 2546-2553.	4.1	18
129	Mouse embryonic stem cells irradiated with Î³-rays differentiate into cardiomyocytes but with altered contractile properties. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2013, 756, 37-45.	1.7	18
130	Nearest Consensus Clustering Classification to Identify Subclasses and Predict Disease. Journal of Healthcare Informatics Research, 2018, 2, 402-422.	7.6	18
131	A multi-modal reasoning methodology for managing IDDM patients. International Journal of Medical Informatics, 2000, 58-59, 243-256.	3.3	17
132	R Engine Cell: integrating R into the i2b2 software infrastructure. Journal of the American Medical Informatics Association: JAMIA, 2011, 18, 314-317.	4.4	17
133	A rare genetic variant of BPIFB4 predisposes to high blood pressure via impairment of nitric oxide signaling. Scientific Reports, 2017, 7, 9706.	3.3	17
134	International electronic health record-derived post-acute sequelae profiles of COVID-19 patients. Npj Digital Medicine, 2022, 5, .	10.9	17
135	An Influence Diagram for Assessing GVHD Prophylaxis after Bone Marrow Transplantation in Children. Medical Decision Making, 1994, 14, 223-235.	2.4	16
136	Electronic Management Systems in Diabetes Mellitus. Disease Management and Health Outcomes, 2003, 11, 159-171.	0.4	16
137	Knowledge-based data analysis and interpretation. Artificial Intelligence in Medicine, 2006, 37, 163-165.	6.5	16
138	A proposed semantic framework for diabetes education content management, customisation and delivery within the M2DM project. Computer Methods and Programs in Biomedicine, 2006, 83, 188-197.	4.7	16
139	The two tryptophans of Î²2-microglobulin have distinct roles in function and folding and might represent two independent responses to evolutionary pressure. BMC Evolutionary Biology, 2011, 11, 159.	3.2	16
140	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
141	OCT4 and the acquisition of oocyte developmental competence during folliculogenesis. International Journal of Developmental Biology, 2012, 56, 853-858.	0.6	16
142	Careflow Mining Techniques to Explore Type 2 Diabetes Evolution. Journal of Diabetes Science and Technology, 2018, 12, 251-259.	2.2	16
143	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
144	Mining post-surgical care processes in breast cancer patients. Artificial Intelligence in Medicine, 2020, 105, 101855.	6.5	16

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145	Integrating Rule-Based and Case-Based Decision Making in Diabetic Patient Management. Lecture Notes in Computer Science, 1999, , 386-400.	1.3	16
146	Analyzing Complex Patients' Temporal Histories: New Frontiers in Temporal Data Mining. Methods in Molecular Biology, 2015, 1246, 89-105.	0.9	16
147	GAMEES: a probabilistic environment for expert systems. Computer Methods and Programs in Biomedicine, 1991, 35, 177-191.	4.7	15
148	A Hybrid Input-Output Approach to Model Metabolic Systems: An Application to Intracellular Thiamine Kinetics. Journal of Biomedical Informatics, 2001, 34, 221-248.	4.3	15
149	Insulin Minimal Model Indexes and Secretion: Proper Handling of Uncertainty by a Bayesian Approach. Annals of Biomedical Engineering, 2004, 32, 1027-1037.	2.5	15
150	Diagnostic value of PRND gene expression profiles in astrocytomas: Relationship to tumor grades of malignancy. Oncology Reports, 2007, 17, 989-96.	2.6	15
151	Building a Normative Decision Support System for Clinical and Operational Risk Management in Hemodialysis. IEEE Transactions on Information Technology in Biomedicine, 2008, 12, 678-686.	3.2	15
152	Clinical Bioinformatics: challenges and opportunities. BMC Bioinformatics, 2012, 13, S1.	2.6	15
153	Designing an artificial pancreas architecture: the AP@home experience. Medical and Biological Engineering and Computing, 2015, 53, 1271-1283.	2.8	15
154	Information extraction from Italian medical reports: An ontology-driven approach. International Journal of Medical Informatics, 2018, 111, 140-148.	3.3	15
155	Random Walk Models for Bayesian Clustering of Gene Expression Profiles. Applied Bioinformatics, 2005, 4, 263-276.	1.6	14
156	Reduced sampling schedule for the glucose minimal model: importance of Bayesian estimation. American Journal of Physiology - Endocrinology and Metabolism, 2006, 290, E177-E184.	3.5	14
157	Hierarchical Naive Bayes for genetic association studies. BMC Bioinformatics, 2012, 13, S6.	2.6	14
158	Temporal data mining and process mining techniques to identify cardiovascular risk-associated clinical pathways in Type 2 diabetes patients. , 2014, , .		14
159	Improving risk-stratification of Diabetes complications using temporal data mining. , 2015, 2015, 2131-4.		14
160	Efficacy and Limitations of Quinidine in Patients With Brugada Syndrome. Circulation: Arrhythmia and Electrophysiology, 2019, 12, .	4.8	14
161	A development environment for knowledge-based medical applications on the world-wide web. Artificial Intelligence in Medicine, 1998, 14, 279-293.	6.5	13
162	Bayesian Identification of a Population Compartmental Model of C-Peptide Kinetics. Annals of Biomedical Engineering, 2000, 28, 812-823.	2.5	13

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163	Maximal Stiffness Evaluation by Real-Time Ultrasound Elastography, an Improved Tool for the Differential Diagnosis of Thyroid Nodules. Endocrine Practice, 2015, 21, 474-481.	2.1	13
164	Patient-Generated Health Data Integration and Advanced Analytics for Diabetes Management: The AID-GM Platform. Sensors, 2020, 20, 128.	3.8	13
165	Hybrid knowledge-based systems for therapy planning. Artificial Intelligence in Medicine, 1992, 4, 207-226.	6.5	12
166	DT-Planner: an environment for managing dynamic decision problems. Computer Methods and Programs in Biomedicine, 1997, 54, 183-200.	4.7	12
167	Precedence Temporal Networks to represent temporal relationships in gene expression data. Journal of Biomedical Informatics, 2007, 40, 761-774.	4.3	12
168	Role of Oct-4 during acquisition of developmental competence in mouse oocyte. Reproductive BioMedicine Online, 2009, 19, 57-62.	2.4	12
169	A data gathering framework to collect Type 2 diabetes patients data. , 2014, , .		12
170	JTSA: An open source framework for time series abstractions. Computer Methods and Programs in Biomedicine, 2015, 121, 175-188.	4.7	12
171	Comparison of data mining techniques applied to fetal heart rate parameters for the early identification of IUGR fetuses. , 2016, 2016, 916-919.		12
172	Supervised methods to extract clinical events from cardiology reports in Italian. Journal of Biomedical Informatics, 2019, 95, 103219.	4.3	12
173	Taste receptors, innate immunity and longevity: the case of TAS2R16 gene. Immunity and Ageing, 2019, 16, 5.	4.2	12
174	TGFÎ²1-Induced Baf60c Regulates both Smooth Muscle Cell Commitment and Quiescence. PLoS ONE, 2012, 7, e47629.	2.5	12
175	Methods and tools for mining multivariate temporal data in clinical and biomedical applications. , 2009, 2009, 5629-32.		11
176	Phenotype forecasting with SNPs data through gene-based Bayesian networks. BMC Bioinformatics, 2009, 10, S7.	2.6	11
177	Multivariate analysis based on linear and non-linear FHR parameters for the identification of IUGR fetuses. , 2014, 2014, 1868-71.		11
178	Temporal abstractions to enrich Activity-Based Process Mining corpus with clinical time series. , 2014, , .		11
179	Multivariate Methods for Genetic Variants Selection and Risk Prediction in Cardiovascular Diseases. Frontiers in Cardiovascular Medicine, 2016, 3, 17.	2.4	11
180	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

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181	Spatial Enablement to Support Environmental, Demographic, Socioeconomics, and Health Data Integration and Analysis for Big Cities: A Case Study With Asthma Hospitalizations in New York City. Frontiers in Medicine, 2019, 6, 84.	2.6	11
182	Inversion-based genomic signatures. BMC Bioinformatics, 2009, 10, S7.	2.6	10
183	3D culture of ovarian follicles: a system towards their engineering?. International Journal of Developmental Biology, 2015, 59, 211-216.	0.6	10
184	Developing a parsimonius predictor for binary traits in sugar beet (Beta vulgaris). Molecular Breeding, 2015, 35, 1.	2.1	10
185	Combining Naive Bayes Classifiers with Temporal Association Rules for Coronary Heart Disease Diagnosis. , 2016, , .		10
186	The DNA-helicase HELLS drives ALKâˆ' ALCL proliferation by the transcriptional control of a cytokinesis-related program. Cell Death and Disease, 2021, 12, 130.	6.3	10
187	Multinational characterization of neurological phenotypes in patients hospitalized with COVID-19. Scientific Reports, 2021, 11, 20238.	3.3	10
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