

Federico Girosi

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

7,886
citations

257450

24
h-index

133252

59
g-index

84
all docs

84
docs citations

84
times ranked

6662
citing authors

#	ARTICLE	IF	CITATIONS
1	Can Electronic Medical Record Systems Transform Health Care? Potential Health Benefits, Savings, And Costs. Health Affairs, 2005, 24, 1103-1117.	5.2	1,282
2	Regularization Theory and Neural Networks Architectures. Neural Computation, 1995, 7, 219-269.	2.2	1,105
3	Comparing support vector machines with Gaussian kernels to radial basis function classifiers. IEEE Transactions on Signal Processing, 1997, 45, 2758-2765.	5.3	1,073
4	Regularization Algorithms for Learning That Are Equivalent to Multilayer Networks. Science, 1990, 247, 978-982.	12.6	930
5	Networks and the best approximation property. Biological Cybernetics, 1990, 63, 169-176.	1.3	745
6	An Equivalence Between Sparse Approximation and Support Vector Machines. Neural Computation, 1998, 10, 1455-1480.	2.2	382
7	A computational approach to motion perception. Biological Cybernetics, 1988, 60, 79-87.	1.3	307
8	Reducing the global burden of tuberculosis: the contribution of improved diagnostics. Nature, 2006, 444, 49-57.	27.8	206
9	Prevalence and sociodemographic correlates of DSM-5 eating disorders in the Australian population. Journal of Eating Disorders, 2015, 3, 19.	2.7	191
10	On the Relationship between Generalization Error, Hypothesis Complexity, and Sample Complexity for Radial Basis Functions. Neural Computation, 1996, 8, 819-842.	2.2	132
11	Reducing the burden of childhood malaria in Africa: the role of improved. Nature, 2006, 444, 39-48.	27.8	100
12	Representation Properties of Networks: Kolmogorov's Theorem Is Irrelevant. Neural Computation, 1989, 1, 465-469.	2.2	99
13	Promoting Health Information Technology: Is There A Case For More-Aggressive Government Action?. Health Affairs, 2005, 24, 1234-1245.	5.2	88
14	Developing and interpreting models to improve diagnostics in developing countries. Nature, 2006, 444, 3-8.	27.8	74
15	Socioeconomic Correlates of Eating Disorder Symptoms in an Australian Population-Based Sample. PLoS ONE, 2017, 12, e0170603.	2.5	73
16	A Sparse Representation for Function Approximation. Neural Computation, 1998, 10, 1445-1454.	2.2	72
17	Reducing the global burden of acute lower respiratory infections in children: the contribution of new diagnostics. Nature, 2006, 444, 9-18.	27.8	70
18	The Benefits of Risk Factor Prevention in Americans Aged 51 Years and Older. American Journal of Public Health, 2009, 99, 2096-2101.	2.7	62

#	ARTICLE	IF	CITATIONS
19	Some extensions of radial basis functions and their applications in artificial intelligence. <i>Computers and Mathematics With Applications</i> , 1992, 24, 61-80.	2.7	61
20	Generalization bounds for function approximation from scattered noisy data. <i>Advances in Computational Mathematics</i> , 1999, 10, 51-80.	1.6	58
21	Clustering Multivariate Time Series Using Hidden Markov Models. <i>International Journal of Environmental Research and Public Health</i> , 2014, 11, 2741-2763.	2.6	57
22	Reducing the burden of sexually transmitted infections in resource-limited settings: the role of improved diagnostics. <i>Nature</i> , 2006, 444, 59-72.	27.8	46
23	Hyperglycaemia in early pregnancy: the Treatment of Booking Gestational diabetes Mellitus (TOBOGM) study. A randomised controlled trial. <i>Medical Journal of Australia</i> , 2018, 209, 405-406.	1.7	44
24	Regularization Theory, Radial Basis Functions and Networks. , 1994, , 166-187.		33
25	Reducing stunting among children: the potential contribution of diagnostics. <i>Nature</i> , 2006, 444, 29-38.	27.8	28
26	People with multiple unhealthy lifestyles are less likely to consult primary healthcare. <i>BMC Family Practice</i> , 2014, 15, 126.	2.9	25
27	The economic cost of bulimia nervosa and binge eating disorder: a population-based study. <i>Psychological Medicine</i> , 2022, 52, 3924-3938.	4.5	20
28	Modeling Health Care Policy Alternatives. <i>Health Services Research</i> , 2010, 45, 1541-1558.	2.0	17
29	A multi-centre open-label randomised non-inferiority trial comparing watchful waiting to antibiotic treatment for acute otitis media without perforation in low-risk urban Aboriginal and Torres Strait Islander children (the WATCH trial): study protocol for a randomised controlled trial. <i>Trials</i> , 2016, 17, 119.	1.6	16
30	An investigation of relationships between disordered eating behaviors, weight/shape overvaluation and mood in the general population. <i>Appetite</i> , 2018, 129, 19-24.	3.7	16
31	Health Information Technology: Can HIT Lower Costs and Improve Quality?. , 2005, , .		14
32	A brief report on Primary Care Service Area catchment geographies in New South Wales Australia. <i>International Journal of Health Geographics</i> , 2014, 13, 38.	2.5	12
33	Cost analysis of the CTLB Study, a multitherapy antenatal education programme to reduce routine interventions in labour. <i>BMJ Open</i> , 2018, 8, e017333.	1.9	11
34	The Effects of the Affordable Care Act on Workers' Health Insurance Coverage. <i>New England Journal of Medicine</i> , 2010, 363, 1393-1395.	27.0	10
35	How useful are Primary Care Service Areas? Evaluating PCSAs as a tool for measuring Primary Care Practitioner access. <i>Applied Geography</i> , 2016, 72, 47-54.	3.7	9
36	Analysis of healthcare service utilization after transport-related injuries by a mixture of hidden Markov models. <i>PLoS ONE</i> , 2018, 13, e0206274.	2.5	9

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37	A framework for the identification and classification of homogeneous socioeconomic areas in the analysis of health care variation. <i>International Journal of Health Geographics</i> , 2018, 17, 42.	2.5	9
38	Relationship between use of general practice and healthcare costs at the end of life: a data linkage study in New South Wales, Australia. <i>BMJ Open</i> , 2016, 6, e009410.	1.9	8
39	The association between physical activity and hospital payments for acute admissions in the Australian population aged 45 and over. <i>PLoS ONE</i> , 2019, 14, e0218394.	2.5	8
40	Cohort Profile: Effectiveness of a 12-Month Patient-Centred Medical Home Model Versus Standard Care for Chronic Disease Management among Primary Care Patients in Sydney, Australia. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 2164.	2.6	8
41	Predicting diabetes second-line therapy initiation in the Australian population via time span-guided neural attention network. <i>PLoS ONE</i> , 2019, 14, e0211844.	2.5	7
42	Could We Have Covered More People At Less Cost? Technically, Yes; Politically, Probably Not. <i>Health Affairs</i> , 2010, 29, 1142-1146.	5.2	6
43	The COMPARE Microsimulation Model and the U.S. Affordable Care Act. , 2012, 6, 78-117.		6
44	Small Firms's Actions In Two Areas, And Exchange Premium And Enrollment Impact. <i>Health Affairs</i> , 2012, 31, 324-331.	5.2	5
45	Patterns and trends of potentially inappropriate high-density lipoprotein cholesterol testing in Australian adults at high risk of cardiovascular disease from 2008 to 2014: analysis of linked individual patient data from the Australian Medicare Benefits Schedule and Pharmaceutical Benefits Scheme. <i>BMJ Open</i> , 2018, 8, e019041.	1.9	5
46	The effectiveness of patient-centred medical home model versus standard primary care in chronic disease management: protocol for a systematic review and meta-analysis of randomised and non-randomised controlled trials. <i>Systematic Reviews</i> , 2018, 7, 215.	5.3	5
47	Digital Knowledge Ecosystem for Empowering Users to Self-manage Diabetes Through Context Specific Actionable Information. <i>Lecture Notes in Computer Science</i> , 2017, , 672-684.	1.3	5
48	The AEDUCATE Collaboration. Comprehensive antenatal education birth preparation programmes to reduce the rates of caesarean section in nulliparous women. Protocol for an individual participant data prospective meta-analysis. <i>BMJ Open</i> , 2020, 10, e037175.	1.9	5
49	Bayesian logistic regression approaches to predict incorrect DRG assignment. <i>Health Care Management Science</i> , 2019, 22, 364-375.	2.6	4
50	Adherence to prescribing restrictions for HER2-positive metastatic breast cancer in Australia: A national population-based observational study (2001-2016). <i>PLoS ONE</i> , 2018, 13, e0198152.	2.5	4
51	Measuring Relationships between Doctor Densities and Patient Visits: A Dog's Breakfast of Small Area Health Geographies. <i>Applied Spatial Analysis and Policy</i> , 2019, 12, 631-645.	2.0	4
52	Incorporation of expert knowledge in the statistical detection of diagnosis related group misclassification. <i>International Journal of Medical Informatics</i> , 2020, 136, 104086.	3.3	4
53	Employer Self-Insurance Decisions and the Implications of the Patient Protection and Affordable Care Act as Modified by the Health Care and Education Reconciliation Act of 2010 (ACA). <i>Rand Health Quarterly</i> , 2011, 1, 7.	0.5	4
54	Establishing State Health Insurance Exchanges: Implications for Health Insurance Enrollment, Spending, and Small Businesses. <i>Rand Health Quarterly</i> , 2011, 1, 12.	0.5	4

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55	Modeling Employer Self-Insurance Decisions after the Affordable Care Act. Health Services Research, 2013, 48, 850-865.	2.0	3
56	Multichannel mixture models for time-series analysis and classification of engagement with multiple health services: An application to psychology and physiotherapy utilization patterns after traffic accidents. Artificial Intelligence in Medicine, 2021, 111, 101997.	6.5	3
57	Incremental predictive value of screening for anxiety and depression beyond current type 2 diabetes risk models: a prospective cohort study. BMJ Open, 2018, 8, e018255.	1.9	2
58	How Will Health Care Reform Affect Costs and Coverage? Examples from Five States. , 2011, , .		2
59	INFLATE: a protocol for a randomised controlled trial comparing nasal balloon autoinflation to no nasal balloon autoinflation for otitis media with effusion in Aboriginal and Torres Strait Islander children. Trials, 2022, 23, 309.	1.6	2
60	A new generation of Primary Care Service Areas or general practice catchment areas. Transactions in GIS, 2017, 21, 1379-1390.	2.3	1
61	A Framework To Generate Actionable Information For Mobile Based Information System That Empowers Users To Self-Manage Type 2 Diabetes. , 2019, , .		1
62	Architecture For Mobile Based Information System That Empowers Users To Self-Manage Type 2 Diabetes. , 2019, , .		1
63	Diabetes and the use of primary care provider services in rural, remote and metropolitan Australia. Rural and Remote Health, 2021, 21, 5844.	0.5	1
64	Health System Reconstruction and Nation-Building. , 2007, , .		1
65	Joint Prediction of Chronic Conditions Onset: Comparing Multivariate Probits with Multiclass Support Vector Machines. Lecture Notes in Computer Science, 2016, , 185-195.	1.3	0
66	A clinical coding recommender system. Knowledge-Based Systems, 2020, 210, 106455.	7.1	0
67	Coverage, Spending, and Consumer Financial Risk: How Do the Recent House and Senate Health Care Bills Compare?. , 2010, , .		0
68	RAND COMPARE Analysis of President Obama's Proposal for Health Reform. , 2010, , .		0
69	How Will the Affordable Care Act Affect Employee Health Coverage at Small Businesses?. , 2010, , .		0
70	Assessing the Preparedness of the Australian Health Care System Infrastructure for an Alzheimer's Disease-Modifying Therapy. , 2019, , .		0
71	Deep Generative Modeling in Network Science with Applications to Public Policy Research. , 2020, , .		0
72	Bayesian prediction of emergency department wait time. Health Care Management Science, 2022, , 1.	2.6	0