

# Marc Saez

## List of Publications by Year in descending order

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Version: 2024-02-01

113  
papers

2,624  
citations

159585

30  
h-index

254184

43  
g-index

120  
all docs

120  
docs citations

120  
times ranked

3848  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effectiveness of the measures to flatten the epidemic curve of COVID-19. The case of Spain. <i>Science of the Total Environment</i> , 2020, 727, 138761.	8.0	125
2	Discontinuation, Efficacy, and Safety of Cholinesterase Inhibitors for Alzheimer's Disease: a Meta-Analysis and Meta-Regression of 43 Randomized Clinical Trials Enrolling 16 106 Patients. <i>International Journal of Neuropsychopharmacology</i> , 2017, 20, 519-528.	2.1	98
3	Analysis of health outcome time series data in epidemiological studies. <i>Environmetrics</i> , 2004, 15, 101-117.	1.4	88
4	Use of poisson regression and box-jenkins models to evaluate the short-term effects of environmental noise levels on daily emergency admissions in Madrid, Spain. <i>European Journal of Epidemiology</i> , 2001, 17, 765-771.	5.7	76
5	Short term effect of air pollution, noise and heat waves on preterm births in Madrid (Spain). <i>Environmental Research</i> , 2016, 145, 162-168.	7.5	75
6	Improving retinal artery and vein classification by means of a minimal path approach. <i>Machine Vision and Applications</i> , 2013, 24, 919-930.	2.7	67
7	Socioeconomic inequalities in cause-specific mortality in 15 European cities. <i>Journal of Epidemiology and Community Health</i> , 2015, 69, 432-441.	3.7	64
8	Long term effects of traffic noise on mortality in the city of Barcelona, 2004-2007. <i>Environmental Research</i> , 2016, 147, 193-206.	7.5	63
9	A combined analysis of the short-term effects of photochemical air pollutants on mortality within the EMECAM project.. <i>Environmental Health Perspectives</i> , 2002, 110, 221-228.	6.0	60
10	Pinpointing spatio-temporal interactions in wildfire patterns. <i>Stochastic Environmental Research and Risk Assessment</i> , 2012, 26, 1131-1150.	4.0	55
11	Development of an automated system to classify retinal vessels into arteries and veins. <i>Computer Methods and Programs in Biomedicine</i> , 2012, 108, 367-376.	4.7	53
12	Social differences in avoidable mortality between small areas of 15 European cities: an ecological study. <i>International Journal of Health Geographics</i> , 2014, 13, 8.	2.5	53
13	Spatial variability in mortality inequalities, socioeconomic deprivation, and air pollution in small areas of the Barcelona Metropolitan Region, Spain. <i>Science of the Total Environment</i> , 2009, 407, 5501-5523.	8.0	45
14	Socioeconomic inequalities in mortality in 16 European cities. <i>Scandinavian Journal of Public Health</i> , 2014, 42, 245-254.	2.3	45
15	Effects of long-term exposure to air pollutants on the spatial spread of COVID-19 in Catalonia, Spain. <i>Environmental Research</i> , 2020, 191, 110177.	7.5	45
16	Modeling zoonotic cutaneous leishmaniasis incidence in central Tunisia from 2009-2015: Forecasting models using climate variables as predictors. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005844.	3.0	42
17	The Impact of Structural and Cohesion Funds on Eurozone Convergence, 1990-2010. <i>Regional Studies</i> , 2016, 50, 1127-1139.	4.4	41
18	Extraction of espresso coffee by using gradient of temperature. Effect on physicochemical and sensorial characteristics of espresso. <i>Food Chemistry</i> , 2017, 214, 622-630.	8.2	41

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19	Comparative Study of Blood-Based Biomarkers, $\hat{\pm}2,3$ -Sialic Acid PSA and PHI, for High-Risk Prostate Cancer Detection. <i>International Journal of Molecular Sciences</i> , 2017, 18, 845.	4.1	41
20	Duration and dosing of Proton Pump Inhibitors associated with high incidence of chronic kidney disease in population-based cohort. <i>PLoS ONE</i> , 2018, 13, e0204231.	2.5	41
21	Spatio-temporal log-Gaussian Cox processes for modelling wildfire occurrence: the case of Catalonia, 1994â€“2008. <i>Environmental and Ecological Statistics</i> , 2014, 21, 531-563.	3.5	40
22	Analysis of the spatial variation of Bovine tuberculosis disease risk in Spain (2006â€“2009). <i>Preventive Veterinary Medicine</i> , 2011, 100, 44-52.	1.9	39
23	Influence maternal background has on childrenâ€™s mental health. <i>International Journal for Equity in Health</i> , 2017, 16, 63.	3.5	39
24	Non-linearity, Complexity and Limited Measurement in the Relationship Between Satisfaction with Specific Life Domains and Satisfaction with Life as a Whole. <i>Journal of Happiness Studies</i> , 2010, 11, 335-352.	3.2	35
25	Missing Diagnoses during the COVID-19 Pandemic: A Year in Review. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 5335.	2.6	35
26	Socioeconomic inequalities in injury mortality in small areas of 15 European cities. <i>Health and Place</i> , 2013, 24, 165-172.	3.3	34
27	Improved Pancreatic Adenocarcinoma Diagnosis in Jaundiced and Non-jaundiced Pancreatic Adenocarcinoma Patients through the Combination of Routine Clinical Markers Associated to Pancreatic Adenocarcinoma Pathophysiology. <i>PLoS ONE</i> , 2016, 11, e0147214.	2.5	34
28	Mortality attributable to high temperatures over the 2021â€“2050 and 2051â€“2100 time horizons in Spain: Adaptation and economic estimate. <i>Environmental Research</i> , 2019, 172, 475-485.	7.5	34
29	Cancer mortality inequalities in urban areas: a Bayesian small area analysis in Spanish cities. <i>International Journal of Health Geographics</i> , 2011, 10, 6.	2.5	32
30	A spatio-temporal Poisson hurdle point process to model wildfires. <i>Stochastic Environmental Research and Risk Assessment</i> , 2014, 28, 1671-1684.	4.0	32
31	The importance of ecosystem services in coastal agricultural landscapes: Case study from the Costa Brava, Catalonia. <i>Ecosystem Services</i> , 2016, 17, 43-52.	5.4	31
32	Prenatal exposure to persistent organic pollutants and childhood obesity: A systematic review and meta-analysis of human studies. <i>Obesity Reviews</i> , 2022, 23, e13383.	6.5	31
33	Why do patients prefer hospital emergency visits? A nested multinomial logit analysis for patient-initiated contacts. <i>Health Care Management Science</i> , 1998, 1, 39-52.	2.6	30
34	Trends in socioeconomic inequalities in preventable mortality in urban areas of 33 Spanish cities, 1996â€“2007 (MEDEA project). <i>International Journal for Equity in Health</i> , 2015, 14, 33.	3.5	29
35	Spatial pattern modelling of wildfires in Catalonia, Spain 2004â€“2008. <i>Environmental Modelling and Software</i> , 2013, 40, 235-244.	4.5	27
36	The association between exposure to environmental factors and the occurrence of attention-deficit/hyperactivity disorder (ADHD). A population-based retrospective cohort study. <i>Environmental Research</i> , 2018, 166, 205-214.	7.5	26

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37	The built environment as determinant of childhood obesity: A systematic literature review. <i>Obesity Reviews</i> , 2022, 23, e13385.	6.5	26
38	On the Automatic Computation of the Arterio-Venous Ratio in Retinal Images: Using Minimal Paths for the Artery/Vein Classification. , 2010, , .		25
39	A randomized controlled trial for overweight and obesity in preschoolers: the More and Less Europe study- an intervention within the STOP project. <i>BMC Public Health</i> , 2019, 19, 945.	2.9	25
40	The impact of teaching status on average costs in Spanish hospitals. , 1999, 8, 641-651.		23
41	Economic crisis and health inequalities: evidence from the European Union. <i>International Journal for Equity in Health</i> , 2016, 15, 135.	3.5	23
42	&lt;p&gt;Survival benefit of multidisciplinary care in amyotrophic lateral sclerosis in Spain: association with noninvasive mechanical ventilation&lt;p&gt;. <i>Journal of Multidisciplinary Healthcare</i> , 2019, Volume 12, 465-470.	2.7	22
43	How the economic recession has changed the likelihood of reporting poor self-rated health in Spain. <i>International Journal for Equity in Health</i> , 2015, 14, 149.	3.5	21
44	Health inequalities in the European Union: an empirical analysis of the dynamics of regional differences. <i>European Journal of Health Economics</i> , 2015, 16, 543-559.	2.8	21
45	Effects of the Financial Crisis on Psychotropic Drug Consumption in a Cohort from a Semi-Urban Region in Catalonia, Spain. <i>PLoS ONE</i> , 2016, 11, e0148594.	2.5	20
46	Spatial Assessment of the Association between Long-Term Exposure to Environmental Factors and the Occurrence of Amyotrophic Lateral Sclerosis in Catalonia, Spain: A Population-Based Nested Case-Control Study. <i>Neuroepidemiology</i> , 2018, 51, 33-49.	2.3	20
47	Does the effect of gender modify the relationship between deprivation and mortality?. <i>BMC Public Health</i> , 2012, 12, 574.	2.9	19
48	Comparative effectiveness of school-based interventions targeting physical activity, physical fitness or sedentary behaviour on obesity prevention in 6- to 12-year-old children: A systematic review and meta-analysis. <i>Obesity Reviews</i> , 2021, 22, e13160.	6.5	19
49	Using Retinex Image Enhancement to Improve the Artery/Vein Classification in Retinal Images. <i>Lecture Notes in Computer Science</i> , 2010, , 50-59.	1.3	18
50	Accurately estimating breast cancer survival in Spain: cross-matching local cancer registries with the National Death Index. <i>Revista Panamericana De Salud Publica/Pan American Journal of Public Health</i> , 2009, 26, 51-54.	1.1	17
51	Inequalities in suicide mortality rates and the economic recession in the municipalities of Catalonia, Spain. <i>International Journal for Equity in Health</i> , 2015, 14, 75.	3.5	17
52	The Influence of Imports and Exports on the Evolution of Greenhouse Gas Emissions: The Case for the European Union. <i>Energies</i> , 2018, 11, 1644.	3.1	16
53	Assessment of self-monitoring of blood pressure in the diagnosis of isolated clinic hypertension. <i>Blood Pressure</i> , 2006, 15, 227-236.	1.5	15
54	Financial crisis and income-related inequalities in the universal provision of a public service: the case of healthcare in Spain. <i>International Journal for Equity in Health</i> , 2017, 16, 134.	3.5	15

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55	Will there be cold-related mortality in Spain over the 2021â€“2050 and 2051â€“2100 time horizons despite the increase in temperatures as a consequence of climate change?. <i>Environmental Research</i> , 2019, 176, 108557.	7.5	15
56	The dynamic behaviour of metabolic syndrome and its components in an eight-year population-based cohort from the Mediterranean. <i>PLoS ONE</i> , 2017, 12, e0176665.	2.5	15
57	A GEE moving average analysis of the relationship between air pollution and mortality for asthma in Barcelona, Spain. , 1999, 18, 2077-2086.		14
58	A selection-bias free method to estimate the prevalence of hypertension from an administrative primary health care database in the Girona Health Region, Spain. <i>Computer Methods and Programs in Biomedicine</i> , 2009, 93, 228-240.	4.7	14
59	Subjective Well-Being in Early Adolescence: Observations from a Five-Year Longitudinal Study. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 8249.	2.6	14
60	Has the economic crisis widened the intraurban socioeconomic inequalities in mortality? The case of Barcelona, Spain. <i>Journal of Epidemiology and Community Health</i> , 2016, 70, 114-124.	3.7	13
61	Spatial prediction of air pollution levels using a hierarchical Bayesian spatiotemporal model in Catalonia, Spain. <i>Environmental Modelling and Software</i> , 2022, 151, 105369.	4.5	13
62	Spatio-temporal variability of bovine tuberculosis eradication in Spain (2006â€“2011). <i>Spatial and Spatio-temporal Epidemiology</i> , 2014, 10, 1-10.	1.7	12
63	Prediabetes is associated with glomerular hyperfiltration in a European Mediterranean cohort study. <i>Journal of Nephrology</i> , 2018, 31, 743-749.	2.0	12
64	Compositional analysis of dietary patterns. <i>Statistical Methods in Medical Research</i> , 2019, 28, 2834-2847.	1.5	12
65	Assessing the Effects on Health Inequalities of Differential Exposure and Differential Susceptibility of Air Pollution and Environmental Noise in Barcelona, 2007â€“2014. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3470.	2.6	12
66	Adherence to the 2018 WCRF/AICR cancer prevention guidelines and chronic lymphocytic leukemia in the MCC-Spain study. <i>Cancer Epidemiology</i> , 2020, 64, 101629.	1.9	12
67	Methodological limitations in studies assessing the effects of environmental and socioeconomic variables on the spread of COVID-19: a systematic review. <i>Environmental Sciences Europe</i> , 2021, 33, 108.	5.5	12
68	Comparing meta-analysis and ecological-longitudinal analysis in time-series studies. A case study of the effects of air pollution on mortality in three Spanish cities. <i>Journal of Epidemiology and Community Health</i> , 2001, 55, 423-432.	3.7	11
69	Use of primary health care services according to the different degrees of obesity in the Girona Health Region, Spain. <i>Health Economics (United Kingdom)</i> , 2006, 15, 173-193.	1.7	11
70	Spatial Variability in Relative Survival from Female Breast Cancer. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , 2012, 175, 107-134.	1.1	11
71	Estimation of the prevalence and incidence of motor neuron diseases in two Spanish regions: Catalonia and Valencia. <i>Scientific Reports</i> , 2021, 11, 6207.	3.3	11
72	Past-season, pre-season and in-season risk assessment of groin problems in male football players: a prospective full-season study. <i>British Journal of Sports Medicine</i> , 2022, 56, 484-489.	6.7	11

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73	Modelling asthma epidemics on the relationship between air pollution and asthma emergency visits in Barcelona, Spain. <i>European Journal of Epidemiology</i> , 1999, 15, 799-803.	5.7	10
74	Community Risk Factors in the COVID-19 Incidence and Mortality in Catalonia (Spain). A Population-Based Study. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 3768.	2.6	10
75	Evolution of Target Organ Damage by Different Values of Self-Blood Pressure Measurement in Untreated Hypertensive Patients. <i>American Journal of Hypertension</i> , 2012, 25, 1256-63.	2.0	9
76	Retinal arteriole-to-venule ratio changes and target organ disease evolution in newly diagnosed hypertensive patients at 1-year follow-up. <i>Journal of the American Society of Hypertension</i> , 2014, 8, 83-93.	2.3	9
77	Study of the strength of the evidence and the redundancy of the research on pharmacological treatment for Alzheimer's disease: a cumulative meta-analysis and trial sequential analysis. <i>European Journal of Clinical Pharmacology</i> , 2019, 75, 1659-1667.	1.9	9
78	Evaluation of the Biases in the Studies that Assess the Effects of the Great Recession on Health. A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2479.	2.6	9
79	Multimorbidity patterns and their related characteristics in European older adults: A longitudinal perspective. <i>Archives of Gerontology and Geriatrics</i> , 2021, 95, 104428.	3.0	9
80	Population-based incidence of lymphoid neoplasms: Twenty years of epidemiological data in the Girona province, Spain. <i>Cancer Epidemiology</i> , 2019, 58, 8-11.	1.9	8
81	Exploring Aesthetic Preferences in Rural Landscapes and the Relationship with Spatial Pattern Indices. <i>Journal of Landscape Ecology</i> (Czech Republic), 2016, 9, 5-21.	0.9	8
82	Modelling of nitrogen dioxide (NO <sub>2</sub> ) and fine particulate matter (PM <sub>10</sub> ) air pollution in the metropolitan areas of Barcelona and Bilbao, Spain. <i>Environmetrics</i> , 2009, 20, 477-493.	1.4	7
83	Comparison of different vascular risk engines in the identification of type 2 diabetes patients with high cardiovascular risk. <i>BMC Cardiovascular Disorders</i> , 2015, 15, 121.	1.7	7
84	Did psychotropic drug consumption increase during the 2008 financial crisis? A cross-sectional population-based study in Spain. <i>BMJ Open</i> , 2019, 9, e021440.	1.9	7
85	Analysis of the location of retinal lesions in central retinographies of patients with Type 2 diabetes. <i>Acta Ophthalmologica</i> , 2020, 98, e13-e21.	1.1	7
86	Meteorological factors and incidence of COVID-19 during the first wave of the pandemic in Catalonia (Spain): A multi-county study. <i>One Health</i> , 2021, 12, 100239.	3.4	7
87	Another Look at the Comparisons of the Health Systems Expenditure Indicators. <i>Social Indicators Research</i> , 2015, 121, 149-175.	2.7	6
88	Saved by Wealth? Income, Wealth, and Self-Perceived Health in Spain during the Financial Crisis. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 7018.	2.6	6
89	Placebo Response and Its Predictors in Attention Deficit Hyperactivity Disorder: A Meta-Analysis and Comparison of Meta-Regression and MetaForest. <i>International Journal of Neuropsychopharmacology</i> , 2022, 25, 26-35.	2.1	6
90	Impact of the great recession on self-perceived health in Spain: a longitudinal study with individual data. <i>BMJ Open</i> , 2019, 9, e023258.	1.9	5

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91	Impact of COVID-19 on the Health of the General and More Vulnerable Population and Its Determinants: Health Care and Social Surveyâ€“ESSOC, Study Protocol. International Journal of Environmental Research and Public Health, 2021, 18, 8120.	2.6	5
92	Impacts of ambient temperature and seasonal changes on sports injuries in Madrid, Spain: a time-series regression analysis. BMJ Open Sport and Exercise Medicine, 2021, 7, e001205.	2.9	5
93	np.OR: an S-Plus function for pointwise nonparametric estimation of odds-ratios of continuous predictors.. Computer Methods and Programs in Biomedicine, 2003, 71, 175-179.	4.7	4
94	The effects of copayment in primary health care: evidence from a natural experiment. European Journal of Health Economics, 2019, 20, 1237-1248.	2.8	4
95	Assessing the Spatial Distribution of Biodiversity in a Changing Temperature Pattern: The Case of Catalonia, Spain. International Journal of Environmental Research and Public Health, 2019, 16, 4026.	2.6	4
96	What is the optimal cut-off threshold in self-home blood pressure measurement?. Medicine (United Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.0	4
97	Association between the New COVID-19 Cases and Air Pollution with Meteorological Elements in Nine Counties of New York State. International Journal of Environmental Research and Public Health, 2020, 17, 9055.	2.6	4
98	Comorbidities at Diagnosis, Survival, and Cause of Death in Patients with Chronic Lymphocytic Leukemia: A Population-Based Study. International Journal of Environmental Research and Public Health, 2021, 18, 701.	2.6	4
99	Longitudinal panel data study of self-rated health among migrants in French-speaking Switzerland, 2003â€“2017. BMJ Open, 2020, 10, e035812.	1.9	3
100	Effectiveness of Mobilization of the Talus and Distal Fibula in the Management of Acute Lateral Ankle Sprain. Physical Therapy, 2021, 101, .	2.4	3
101	A common error in the ecological regression of cancer incidence on the deprivation index. Revista Panamericana De Salud Publica/Pan American Journal of Public Health, 2013, 34, 83-91.	1.1	3
102	Application of the chi-plot to assess for dependence in environmental epidemiology studies. Environmental and Ecological Statistics, 2007, 14, 181-189.	3.5	2
103	Practical application of the ATOM study. Medicine (United States), 2019, 98, e15010.	1.0	2
104	Partial contributions and temporal trends of leading causes of death during the last four decades in Spain. Public Health, 2020, 189, 81-90.	2.9	2
105	Compositional and Bayesian inference analysis of the concentrations of air pollutants in Catalonia, Spain. Environmental Research, 2022, 204, 112388.	7.5	2
106	Analysis of the geographic pattern of the police reports for domestic violence in Girona (Spain). BMC Public Health, 2022, 22, 552.	2.9	2
107	PandemonCAT: Monitoring the COVID-19 Pandemic in Catalonia, Spain. International Journal of Environmental Research and Public Health, 2022, 19, 4783.	2.6	2
108	Hospital Costs of Foreign Non-Resident Patients: A Comparative Analysis in Catalonia, Spain. International Journal of Environmental Research and Public Health, 2017, 14, 1062.	2.6	1

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109	Prognostic Value of the Estimated Glomerular Filtration Rate Decline in Hypertensive Patients Without Chronic Kidney Disease. <i>American Journal of Hypertension</i> , 2019, 32, 890-899.	2.0	1
110	Nocebo Response in Attention Deficit Hyperactivity Disorder: Meta-Analysis and Meta-Regression of 105 Randomized Clinical Trials. <i>Journal of Attention Disorders</i> , 2022, 26, 1412-1421.	2.6	1
111	Are There Height-Dependent Differences in Subclinical Vascular Disease in Hypertensive Patients?. <i>Journal of Clinical Hypertension</i> , 2014, 16, 70-76.	2.0	0
112	COVID-19 impact on the health and emotional well-being of the general population. <i>European Journal of Public Health</i> , 2021, 31, .	0.3	0
113	Clustering of Small Territories Based on Axes of Inequality. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 3359.	2.6	0