

Ana Fernandez-Somoano

List of Publications by Citations

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111
papers

4,173
citations

34
h-index

62
g-index

122
ext. papers

5,188
ext. citations

6.5
avg, IF

4.77
L-index

#	Paper	IF	Citations
111	Ambient air pollution and low birthweight: a European cohort study (ESCAPE). <i>Lancet Respiratory Medicine</i> , 2013 , 1, 695-704	35.1	369
110	Cohort Profile: the INMA--Infancia y Medio Ambiente--(Environment and Childhood) Project. <i>International Journal of Epidemiology</i> , 2012 , 41, 930-40	7.8	368
109	Large-scale association analysis identifies new lung cancer susceptibility loci and heterogeneity in genetic susceptibility across histological subtypes. <i>Nature Genetics</i> , 2017 , 49, 1126-1132	36.3	246
108	Air pollution and respiratory infections during early childhood: an analysis of 10 European birth cohorts within the ESCAPE Project. <i>Environmental Health Perspectives</i> , 2014 , 122, 107-13	8.4	175
107	Surrounding greenness and pregnancy outcomes in four Spanish birth cohorts. <i>Environmental Health Perspectives</i> , 2012 , 120, 1481-7	8.4	172
106	Transport of persistent organic pollutants across the human placenta. <i>Environment International</i> , 2014 , 65, 107-15	12.9	150
105	Maternal vitamin D status in pregnancy and risk of lower respiratory tract infections, wheezing, and asthma in offspring. <i>Epidemiology</i> , 2012 , 23, 64-71	3.1	122
104	Population-based multicase-control study in common tumors in Spain (MCC-Spain): rationale and study design. <i>Gaceta Sanitaria</i> , 2015 , 29, 308-15	2.2	120
103	Air pollution during pregnancy and childhood cognitive and psychomotor development: six European birth cohorts. <i>Epidemiology</i> , 2014 , 25, 636-47	3.1	119
102	Prenatal exposure to residential air pollution and infant mental development: modulation by antioxidants and detoxification factors. <i>Environmental Health Perspectives</i> , 2012 , 120, 144-9	8.4	100
101	Circulating 25-hydroxyvitamin D3 in pregnancy and infant neuropsychological development. <i>Pediatrics</i> , 2012 , 130, e913-20	7.4	92
100	European birth cohorts for environmental health research. <i>Environmental Health Perspectives</i> , 2012 , 120, 29-37	8.4	89
99	Early-life exposure to outdoor air pollution and respiratory health, ear infections, and eczema in infants from the INMA study. <i>Environmental Health Perspectives</i> , 2013 , 121, 387-92	8.4	84
98	Residential exposure to outdoor air pollution during pregnancy and anthropometric measures at birth in a multicenter cohort in Spain. <i>Environmental Health Perspectives</i> , 2011 , 119, 1333-8	8.4	83
97	Maternal thyroid dysfunction during gestation, preterm delivery, and birthweight. The Infancia y Medio Ambiente Cohort, Spain. <i>Paediatric and Perinatal Epidemiology</i> , 2015 , 29, 113-22	2.7	72
96	Lifelong Residential Exposure to Green Space and Attention: A Population-based Prospective Study. <i>Environmental Health Perspectives</i> , 2017 , 125, 097016	8.4	71
95	Urban green and grey space in relation to respiratory health in children. <i>European Respiratory Journal</i> , 2017 , 49,	13.6	67

94	Folic acid supplements during pregnancy and child psychomotor development after the first year of life. <i>JAMA Pediatrics</i> , 2014 , 168, e142611	8.3	66
93	Iodine supplementation during pregnancy and infant neuropsychological development. INMA Mother and Child Cohort Study. <i>American Journal of Epidemiology</i> , 2013 , 177, 944-53	3.8	62
92	Genetic polymorphisms in MMP 2, 9 and 3 genes modify lung cancer risk and survival. <i>BMC Cancer</i> , 2012 , 12, 121	4.8	58
91	Deficit of vitamin D in pregnancy and growth and overweight in the offspring. <i>International Journal of Obesity</i> , 2015 , 39, 61-8	5.5	50
90	Determinants of self-reported smoking and misclassification during pregnancy, and analysis of optimal cut-off points for urinary cotinine: a cross-sectional study. <i>BMJ Open</i> , 2013 , 3,	3	48
89	Indoor air pollution from gas cooking and infant neurodevelopment. <i>Epidemiology</i> , 2012 , 23, 23-32	3.1	47
88	Association between breastfeeding duration and cognitive development, autistic traits and ADHD symptoms: a multicenter study in Spain. <i>Pediatric Research</i> , 2017 , 81, 434-442	3.2	44
87	Prenatal exposure to mixtures of xenoestrogens and repetitive element DNA methylation changes in human placenta. <i>Environment International</i> , 2014 , 71, 81-7	12.9	41
86	Polymorphism +17 C/G in matrix metalloprotease MMP8 decreases lung cancer risk. <i>BMC Cancer</i> , 2008 , 8, 378	4.8	41
85	Exposure to ambient air pollution during pregnancy and preterm birth: A Spanish multicenter birth cohort study. <i>Environmental Research</i> , 2016 , 147, 50-8	7.9	39
84	Pooling birth cohorts in allergy and asthma: European Union-funded initiatives - a MeDALL, CHICOS, ENRIECO, and GALEN joint paper. <i>International Archives of Allergy and Immunology</i> , 2013 , 161, 1-10	3.7	38
83	Prenatal Exposure to Polybrominated Flame Retardants and Fetal Growth in the INMA Cohort (Spain). <i>Environmental Science & Technology</i> , 2015 , 49, 10108-16	10.3	36
82	Effect of maternal high dosages of folic acid supplements on neurocognitive development in children at 4-5 y of age: the prospective birth cohort Infancia y Medio Ambiente (INMA) study. <i>American Journal of Clinical Nutrition</i> , 2017 , 106, 878-887	7	36
81	Prenatal and postnatal exposure to NO and child attentional function at 4-5years of age. <i>Environment International</i> , 2017 , 106, 170-177	12.9	36
80	Prenatal exposure to lead in Spain: cord blood levels and associated factors. <i>Science of the Total Environment</i> , 2011 , 409, 2298-305	10.2	36
79	Prenatal exposure to mercury and neuropsychological development in young children: the role of fish consumption. <i>International Journal of Epidemiology</i> , 2017 , 46, 827-838	7.8	35
78	Gestational weight gain and exposure of newborns to persistent organic pollutants. <i>Environmental Health Perspectives</i> , 2014 , 122, 873-9	8.4	34
77	Genetic polymorphisms in CYP1A1, GSTM1, GSTP1 and GSTT1 metabolic genes and risk of lung cancer in Asturias. <i>BMC Cancer</i> , 2012 , 12, 433	4.8	33

76	The Influence of Meteorological Factors and Atmospheric Pollutants on the Risk of Preterm Birth. <i>American Journal of Epidemiology</i> , 2017 , 185, 247-258	3.8	32
75	Organochlorine Compounds and Ultrasound Measurements of Fetal Growth in the INMA Cohort (Spain). <i>Environmental Health Perspectives</i> , 2016 , 124, 157-63	8.4	30
74	Exploring educational disparities in risk of preterm delivery: a comparative study of 12 European birth cohorts. <i>Paediatric and Perinatal Epidemiology</i> , 2015 , 29, 172-83	2.7	29
73	Identification of susceptibility pathways for the role of chromosome 15q25.1 in modifying lung cancer risk. <i>Nature Communications</i> , 2018 , 9, 3221	17.4	29
72	Prenatal Exposure to NO ₂ and Ultrasound Measures of Fetal Growth in the Spanish INMA Cohort. <i>Environmental Health Perspectives</i> , 2016 , 124, 235-42	8.4	29
71	Maternal smoking during pregnancy and fetal biometry: the INMA Mother and Child Cohort Study. <i>American Journal of Epidemiology</i> , 2013 , 178, 1067-75	3.8	28
70	Socio-economic inequalities in health, habits and self-care during pregnancy in Spain. <i>Maternal and Child Health Journal</i> , 2013 , 17, 1315-24	2.4	27
69	Prenatal and postnatal exposure to air pollution and emotional and aggressive symptoms in children from 8 European birth cohorts. <i>Environment International</i> , 2019 , 131, 104927	12.9	25
68	Alcohol and lung cancer risk among never smokers: A pooled analysis from the international lung cancer consortium and the SYNERGY study. <i>International Journal of Cancer</i> , 2017 , 140, 1976-1984	7.5	24
67	Fine mapping of MHC region in lung cancer highlights independent susceptibility loci by ethnicity. <i>Nature Communications</i> , 2018 , 9, 3927	17.4	24
66	Inorganic arsenic exposure and neuropsychological development of children of 4-5 years of age living in Spain. <i>Environmental Research</i> , 2019 , 174, 135-142	7.9	23
65	Pre- and postnatal exposure to tobacco smoke and respiratory outcomes during the first year. <i>Indoor Air</i> , 2015 , 25, 4-12	5.4	22
64	Factors associated with second-hand smoke exposure in non-smoking pregnant women in Spain: self-reported exposure and urinary cotinine levels. <i>Science of the Total Environment</i> , 2014 , 470-471, 1189-96	10.2	22
63	Second-hand smoke exposure in 4-year-old children in Spain: Sources, associated factors and urinary cotinine. <i>Environmental Research</i> , 2016 , 145, 116-125	7.9	21
62	Maternal Metabolic Health Parameters During Pregnancy in Relation to Early Childhood BMI Trajectories. <i>Obesity</i> , 2018 , 26, 588-596	8	20
61	The association between passive and active tobacco smoke exposure and child weight status among Spanish children. <i>Obesity</i> , 2016 , 24, 1767-77	8	20
60	Occurrence of DBPs in Drinking Water of European Regions for Epidemiology Studies. <i>Journal - American Water Works Association</i> , 2016 , 108, E501-E512	0.5	20
59	Dietary and Household Sources of Prenatal Exposure to Polybrominated Diphenyl Ethers (PBDEs) in the INMA Birth Cohort (Spain). <i>Environmental Science & Technology</i> , 2016 , 50, 5935-44	10.3	20

58	Association of Exposure to Ambient Air Pollution With Thyroid Function During Pregnancy. <i>JAMA Network Open</i> , 2019 , 2, e1912902	10.4	19
57	The use of household cleaning products during pregnancy and lower respiratory tract infections and wheezing during early life. <i>International Journal of Public Health</i> , 2013 , 58, 757-64	4	18
56	The null hypothesis significance test in health sciences research (1995-2006): statistical analysis and interpretation. <i>BMC Medical Research Methodology</i> , 2010 , 10, 44	4.7	18
55	Prenatal exposure to mercury and longitudinally assessed fetal growth: Relation and effect modifiers. <i>Environmental Research</i> , 2018 , 160, 97-106	7.9	17
54	High adherence to a mediterranean diet at age 4 reduces overweight, obesity and abdominal obesity incidence in children at the age of 8. <i>International Journal of Obesity</i> , 2020 , 44, 1906-1917	5.5	16
53	Use of high doses of folic acid supplements in pregnant women in Spain: an INMA cohort study. <i>BMJ Open</i> , 2015 , 5, e009202	3	16
52	Drinking water disinfection by-products during pregnancy and child neuropsychological development in the INMA Spanish cohort study. <i>Environment International</i> , 2018 , 110, 113-122	12.9	16
51	Prenatal Exposure to Persistent Organic Pollutants and Anogenital Distance in Children at 18 Months. <i>Hormone Research in Paediatrics</i> , 2018 , 90, 116-122	3.3	16
50	Prenatal Omega-6:Omega-3 Ratio and Attention Deficit and Hyperactivity Disorder Symptoms. <i>Journal of Pediatrics</i> , 2019 , 209, 204-211.e4	3.6	15
49	Prenatal air pollution exposure and growth and cardio-metabolic risk in preschoolers. <i>Environment International</i> , 2020 , 138, 105619	12.9	15
48	Outdoor NO ₂ and benzene exposure in the INMA (Environment and Childhood) Asturias cohort (Spain). <i>Atmospheric Environment</i> , 2011 , 45, 5240-5246	5.3	15
47	Prenatal exposure to hexachlorobenzene (HCB) and reproductive effects in a multicentre birth cohort in Spain. <i>Science of the Total Environment</i> , 2014 , 466-467, 770-6	10.2	14
46	Socioeconomic status and exposure to outdoor NO ₂ and benzene in the Asturias INMA birth cohort, Spain. <i>Journal of Epidemiology and Community Health</i> , 2014 , 68, 29-36	5.1	13
45	Top ten errors of statistical analysis in observational studies for cancer research. <i>Clinical and Translational Oncology</i> , 2018 , 20, 954-965	3.6	13
44	Maternal pre-pregnancy obesity and neuropsychological development in pre-school children: a prospective cohort study. <i>Pediatric Research</i> , 2017 , 82, 596-606	3.2	12
43	Elevated Platelet Count Appears to Be Causally Associated with Increased Risk of Lung Cancer: A Mendelian Randomization Analysis. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2019 , 28, 935-942	4	12
42	Social Factors Associated with Non-initiation and Cessation of Predominant Breastfeeding in a Mother-Child Cohort in Spain. <i>Maternal and Child Health Journal</i> , 2018 , 22, 725-734	2.4	12
41	Effect of alcohol and its metabolites in lung cancer: CAPUA study. <i>Medicina Clínica</i> , 2017 , 148, 531-538	1	10

40	The INMA-Infancia y Medio Ambiente-(Environment and Childhood) project: More than 10 years contributing to environmental and neuropsychological research. <i>International Journal of Hygiene and Environmental Health</i> , 2017 , 220, 647-658	6.9	9
39	Urban upbringing and childhood respiratory and allergic conditions: A multi-country holistic study. <i>Environmental Research</i> , 2018 , 161, 276-283	7.9	9
38	Prenatal and postnatal insecticide use and infant neuropsychological development in a multicenter birth cohort study. <i>Environment International</i> , 2013 , 59, 175-82	12.9	9
37	Proatherogenic Lipid Profile in Early Childhood: Association with Weight Status at 4 Years and Parental Obesity. <i>Journal of Pediatrics</i> , 2017 , 187, 153-157.e2	3.6	8
36	Water hardness and eczema at 1 and 4 y of age in the INMA birth cohort. <i>Environmental Research</i> , 2015 , 142, 579-85	7.9	8
35	Prenatal head growth and child neuropsychological development at age 14 months. <i>American Journal of Obstetrics and Gynecology</i> , 2015 , 212, 661.e1-11	6.4	8
34	Relationship between area-level socioeconomic characteristics and outdoor NO2 concentrations in rural and urban areas of northern Spain. <i>BMC Public Health</i> , 2013 , 13, 71	4.1	8
33	Association between pre/perinatal exposure to POPs and children's anogenital distance at age 4 years: A study from the INMA-Asturias cohort. <i>International Journal of Hygiene and Environmental Health</i> , 2020 , 229, 113563	6.9	7
32	Protein-altering germline mutations implicate novel genes related to lung cancer development. <i>Nature Communications</i> , 2020 , 11, 2220	17.4	6
31	El examen al examen MIR 2015. Aproximación a la validez estructural a través de la teoría clásica de los tests. <i>Educación Médica</i> , 2016 , 19, 217	0.5	6
30	Educational inequalities in quantity, duration and type of tobacco consumption among lung cancer patients in Asturias: epidemiological analyses. <i>Psicothema</i> , 2010 , 22, 634-40	2	6
29	Association between trans fatty acid intake and overweight including obesity in 4 to 5-year-old children from the INMA study. <i>Pediatric Obesity</i> , 2019 , 14, e12528	4.6	5
28	Endocrinology and nutrition: Evolution of the choice of specialty in the last years. <i>Endocrinología, Diabetes Y Nutrición</i> , 2017 , 64, 329-331	1.3	5
27	Annoyance Caused by Noise and Air Pollution during Pregnancy: Associated Factors and Correlation with Outdoor NO2 and Benzene Estimations. <i>International Journal of Environmental Research and Public Health</i> , 2015 , 12, 7044-58	4.6	5
26	Maternal nut intake in pregnancy and child neuropsychological development up to 8 years old: a population-based cohort study in Spain. <i>European Journal of Epidemiology</i> , 2019 , 34, 661-673	12.1	4
25	Head circumference and child ADHD symptoms and cognitive functioning: results from a large population-based cohort study. <i>European Child and Adolescent Psychiatry</i> , 2019 , 28, 377-388	5.5	4
24	Mother-child transfer rates of organohalogen compounds up to four years of age. <i>Environment International</i> , 2019 , 133, 105241	12.9	4
23	Residential Surrounding Greenspace and Mental Health in Three Spanish Areas. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	4

22	Dietary Intake of Trans Fatty Acids in Children Aged 4-5 in Spain: The INMA Cohort Study. <i>Nutrients</i> , 2016 , 8,	6.7	4
21	Choice of critical care medicine: Analysis of the last 10 years. <i>Medicina Intensiva</i> , 2018 , 42, 65-68	1.2	3
20	Prenatal and postnatal residential usage of insecticides in a multicenter birth cohort in Spain. <i>Science of the Total Environment</i> , 2013 , 445-446, 273-80	10.2	3
19	Choice of the specialty of diagnostic radiology by results of the competitive examination to assign residency positions from 2006 to 2015. <i>Radiologia</i> , 2017 , 59, 232-246	0.6	3
18	Association of p21 Ser31Arg and p53 Arg72Pro polymorphisms with lung cancer risk in CAPUA study. <i>Lung Cancer: Targets and Therapy</i> , 2012 , 3, 69-78	2.9	3
17	Systematic analyses of regulatory variants in DNase I hypersensitive sites identified two novel lung cancer susceptibility loci. <i>Carcinogenesis</i> , 2019 , 40, 432-440	4.6	3
16	Maternal seafood consumption during pregnancy and child attention outcomes: a cohort study with gene effect modification by PUFA-related genes. <i>International Journal of Epidemiology</i> , 2020 , 49, 559-571	7.8	3
15	Efficacy of regenerative therapy in aggressive periodontitis: a systematic review and meta-analysis of randomised controlled clinical trials. <i>Clinical Oral Investigations</i> , 2020 , 24, 1369-1378	4.2	2
14	Urinary cobalt and ferritin in four-years-old children. <i>Environmental Research</i> , 2020 , 183, 109147	7.9	2
13	Gastroenterology - Evolution of specialty choice in recent years. <i>Revista Espanola De Enfermedades Digestivas</i> , 2017 , 109, 614-618	0.9	2
12	El examen MIR 2015 desde el punto de vista de la teor�a de respuesta al �em. <i>Educacion Medica</i> , 2017 , 20, 29	0.5	2
11	The Use of Lower or Higher Than Recommended Doses of Folic Acid Supplements during Pregnancy Is Associated with Child Attentional Dysfunction at 4-5 Years of Age in the INMA Project. <i>Nutrients</i> , 2021 , 13,	6.7	2
10	Pre and postnatal exposure to mercury and respiratory health in preschool children from the Spanish INMA Birth Cohort Study. <i>Science of the Total Environment</i> , 2021 , 782, 146654	10.2	2
9	Alcohol Consumption and Lung Cancer According to Ile349Val Polymorphism in Gene: Beyond the Tobacco Smoking Effect. <i>Journal of Cancer</i> , 2017 , 8, 2296-2302	4.5	1
8	Maternal sleep duration and neonate birth weight: A population-based cohort study. <i>International Journal of Gynecology and Obstetrics</i> , 2021 ,	4	1
7	Poor mothers, unhealthy children: the transmission of health inequalities in the INMA study, Spain. <i>European Journal of Public Health</i> , 2019 , 29, 568-574	2.1	1
6	The popularity of neurology in Spain: An analysis of specialty selection. <i>Neurolog�a</i> , 2020 , 35, 543-550	1.4	1
5	Exposure to metal mixture and growth indicators at 4-5 years. A study in the INMA-Asturias cohort. <i>Environmental Research</i> , 2022 , 204, 112375	7.9	0

4	Effects of residential greenness on attention in a longitudinal study at 8 and 11-13 years.. <i>Environmental Research</i> , 2022 , 210, 112994	7.9	0
3	Effect of alcohol and its metabolites in lung cancer: CAPUA study. <i>Medicina Clínica (English Edition)</i> , 2017 , 148, 531-538	0.3	
2	0426 Occupation and leukaemia in Spain 2007-2012. <i>Occupational and Environmental Medicine</i> , 2014 , 71, A117.4-A118	2.1	
1	Dissemination of health technologies: Trends in the use of diagnostic test in breast cancer screening. <i>Journal of Healthcare Quality Research</i> , 2019 , 34, 177-184	1	