

Ana Fernández-Somoano

List of Publications by Year in descending order

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Version: 2024-02-01

115
papers

5,970
citations

81839

39
h-index

79644

73
g-index

122
all docs

122
docs citations

122
times ranked

10062
citing authors

#	ARTICLE	IF	CITATIONS
1	Cohort Profile: The INMA "Infancia y Medio Ambiente" (Environment and Childhood) Project. <i>International Journal of Epidemiology</i> , 2012, 41, 930-940.	0.9	492
2	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.	9.4	472
3	Ambient air pollution and low birthweight: a European cohort study (ESCAPE). <i>Lancet Respiratory Medicine</i> , 2013, 1, 695-704.	5.2	464
4	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, 107-113.	2.8	224
5	Surrounding Greenness and Pregnancy Outcomes in Four Spanish Birth Cohorts. <i>Environmental Health Perspectives</i> , 2012, 120, 1481-1487.	2.8	210
6	Transport of persistent organic pollutants across the human placenta. <i>Environment International</i> , 2014, 65, 107-115.	4.8	192
7	Air Pollution During Pregnancy and Childhood Cognitive and Psychomotor Development. <i>Epidemiology</i> , 2014, 25, 636-647.	1.2	172
8	Population-based multicase-control study in common tumors in Spain (MCC-Spain): rationale and study design. <i>Gaceta Sanitaria</i> , 2015, 29, 308-315.	0.6	158
9	Prenatal Exposure to Residential Air Pollution and Infant Mental Development: Modulation by Antioxidants and Detoxification Factors. <i>Environmental Health Perspectives</i> , 2012, 120, 144-149.	2.8	150
10	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.	1.2	144
11	European Birth Cohorts for Environmental Health Research. <i>Environmental Health Perspectives</i> , 2012, 120, 29-37.	2.8	116
12	Circulating 25-Hydroxyvitamin D3 in Pregnancy and Infant Neuropsychological Development. <i>Pediatrics</i> , 2012, 130, e913-e920.	1.0	114
13	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, 387-392.	2.8	110
14	Urban green and grey space in relation to respiratory health in children. <i>European Respiratory Journal</i> , 2017, 49, 1502112.	3.1	104
15	Lifelong Residential Exposure to Green Space and Attention: A Population-based Prospective Study. <i>Environmental Health Perspectives</i> , 2017, 125, 097016.	2.8	97
16	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, 1333-1338.	2.8	95
17	Folic Acid Supplements During Pregnancy and Child Psychomotor Development After the First Year of Life. <i>JAMA Pediatrics</i> , 2014, 168, e142611.	3.3	95
18	Maternal Thyroid Dysfunction during Gestation, Preterm Delivery, and Birthweight. The Infancia y Medio Ambiente Cohort, Spain. <i>Paediatric and Perinatal Epidemiology</i> , 2015, 29, 113-122.	0.8	93

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19	Iodine Supplementation During Pregnancy and Infant Neuropsychological Development: INMA Mother and Child Cohort Study. <i>American Journal of Epidemiology</i> , 2013, 177, 944-953.	1.6	80
20	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.	1.1	75
21	Genetic polymorphisms in MMP 2, 9 and 3 genes modify lung cancer risk and survival. <i>BMC Cancer</i> , 2012, 12, 121.	1.1	74
22	Deficit of vitamin D in pregnancy and growth and overweight in the offspring. <i>International Journal of Obesity</i> , 2015, 39, 61-68.	1.6	70
23	Identification of susceptibility pathways for the role of chromosome 15q25.1 in modifying lung cancer risk. <i>Nature Communications</i> , 2018, 9, 3221.	5.8	60
24	Indoor Air Pollution From Gas Cooking and Infant Neurodevelopment. <i>Epidemiology</i> , 2012, 23, 23-32.	1.2	59
25	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.	2.2	59
26	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, e002034.	0.8	58
27	Prenatal and postnatal exposure to NO ₂ and child attentional function at 4-5 years of age. <i>Environment International</i> , 2017, 106, 170-177.	4.8	56
28	Pooling Birth Cohorts in Allergy and Asthma: European Union-Funded Initiatives – A MeDALL, CHICOS, ENRIECO, and GA2LEN Joint Paper. <i>International Archives of Allergy and Immunology</i> , 2013, 161, 1-10.	0.9	54
29	The null hypothesis significance test in health sciences research (1995-2006): statistical analysis and interpretation. <i>BMC Medical Research Methodology</i> , 2010, 10, 44.	1.4	53
30	Prenatal exposure to mixtures of xenoestrogens and repetitive element DNA methylation changes in human placenta. <i>Environment International</i> , 2014, 71, 81-87.	4.8	52
31	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.	4.8	51
32	Association of Exposure to Ambient Air Pollution With Thyroid Function During Pregnancy. <i>JAMA Network Open</i> , 2019, 2, e1912902.	2.8	50
33	Polymorphism +17 C/G in Matrix Metalloprotease MMP8 decreases lung cancer risk. <i>BMC Cancer</i> , 2008, 8, 378.	1.1	49
34	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.	3.7	45
35	Prenatal Exposure to Polybrominated Flame Retardants and Fetal Growth in the INMA Cohort (Spain). <i>Environmental Science & Technology</i> , 2015, 49, 10108-10116.	4.6	44
36	Exploring Educational Disparities in Risk of Preterm Delivery: A Comparative Study of 12 European Birth Cohorts. <i>Paediatric and Perinatal Epidemiology</i> , 2015, 29, 172-183.	0.8	43

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37	Exposure to ambient air pollution during pregnancy and preterm birth: A Spanish multicenter birth cohort study. <i>Environmental Research</i> , 2016, 147, 50-58.	3.7	43
38	Fine mapping of MHC region in lung cancer highlights independent susceptibility loci by ethnicity. <i>Nature Communications</i> , 2018, 9, 3927.	5.8	43
39	Prenatal exposure to lead in Spain: Cord blood levels and associated factors. <i>Science of the Total Environment</i> , 2011, 409, 2298-2305.	3.9	42
40	Gestational Weight Gain and Exposure of Newborns to Persistent Organic Pollutants. <i>Environmental Health Perspectives</i> , 2014, 122, 873-879.	2.8	42
41	Prenatal Exposure to NO ₂ and Ultrasound Measures of Fetal Growth in the Spanish INMA Cohort. <i>Environmental Health Perspectives</i> , 2016, 124, 235-242.	2.8	41
42	Genetic polymorphisms in CYP1A1, GSTM1, GSTP1 and GSTT1 metabolic genes and risk of lung cancer in Asturias. <i>BMC Cancer</i> , 2012, 12, 433.	1.1	40
43	Prenatal exposure to mercury and neuropsychological development in young children: the role of fish consumption. <i>International Journal of Epidemiology</i> , 2017, 46, dyw259.	0.9	36
44	Socio-Economic Inequalities in Health, Habits and Self-Care During Pregnancy in Spain. <i>Maternal and Child Health Journal</i> , 2013, 17, 1315-1324.	0.7	35
45	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.	2.3	35
46	The Influence of Meteorological Factors and Atmospheric Pollutants on the Risk of Preterm Birth. <i>American Journal of Epidemiology</i> , 2017, 185, 247-258.	1.6	35
47	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, 1189-1196.	3.9	34
48	Maternal Metabolic Health Parameters During Pregnancy in Relation to Early Childhood BMI Trajectories. <i>Obesity</i> , 2018, 26, 588-596.	1.5	34
49	Organochlorine Compounds and Ultrasound Measurements of Fetal Growth in the INMA Cohort (Spain). <i>Environmental Health Perspectives</i> , 2016, 124, 157-163.	2.8	33
50	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.	1.6	33
51	Maternal Smoking During Pregnancy and Fetal Biometry. <i>American Journal of Epidemiology</i> , 2013, 178, 1067-1075.	1.6	32
52	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, 757-764.	1.0	31
53	Protein-altering germline mutations implicate novel genes related to lung cancer development. <i>Nature Communications</i> , 2020, 11, 2220.	5.8	31
54	Prenatal air pollution exposure and growth and cardio-metabolic risk in preschoolers. <i>Environment International</i> , 2020, 138, 105619.	4.8	30

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55	Pre- and postnatal exposure to tobacco smoke and respiratory outcomes during the first year. <i>Indoor Air</i> , 2015, 25, 4-12.	2.0	29
56	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.	3.7	29
57	The association between passive and active tobacco smoke exposure and child weight status among Spanish children. <i>Obesity</i> , 2016, 24, 1767-1777.	1.5	28
58	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.	0.7	28
59	Prenatal Omega-6:Omega-3 Ratio and Attention Deficit and Hyperactivity Disorder Symptoms. <i>Journal of Pediatrics</i> , 2019, 209, 204-211.e4.	0.9	28
60	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, 5935-5944.	4.6	25
61	Maternal pre-pregnancy obesity and neuropsychological development in pre-school children: a prospective cohort study. <i>Pediatric Research</i> , 2017, 82, 596-606.	1.1	25
62	Occurrence of DBPs in Drinking Water of European Regions for Epidemiology Studies. <i>Journal - American Water Works Association</i> , 2016, 108, E501.	0.2	24
63	Prenatal exposure to mercury and longitudinally assessed fetal growth: Relation and effect modifiers. <i>Environmental Research</i> , 2018, 160, 97-106.	3.7	24
64	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.	4.8	24
65	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.	2.0	22
66	Prenatal Exposure to Persistent Organic Pollutants and Anogenital Distance in Children at 18 Months. <i>Hormone Research in Paediatrics</i> , 2018, 90, 116-122.	0.8	22
67	Outdoor NO ₂ and benzene exposure in the INMA (Environment and Childhood) Asturias cohort (Spain). <i>Atmospheric Environment</i> , 2011, 45, 5240-5246.	1.9	21
68	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.	1.1	21
69	Use of high doses of folic acid supplements in pregnant women in Spain: an INMA cohort study. <i>BMJ Open</i> , 2015, 5, e009202.	0.8	20
70	Urban upbringing and childhood respiratory and allergic conditions: A multi-country holistic study. <i>Environmental Research</i> , 2018, 161, 276-283.	3.7	19
71	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, 770-776.	3.9	18
72	Top ten errors of statistical analysis in observational studies for cancer research. <i>Clinical and Translational Oncology</i> , 2018, 20, 954-965.	1.2	17

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73	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.	2.1	16
74	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.	0.9	14
75	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.	2.5	14
76	Relationship between area-level socioeconomic characteristics and outdoor NO ₂ concentrations in rural and urban areas of northern Spain. <i>BMC Public Health</i> , 2013, 13, 71.	1.2	12
77	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.	2.1	12
78	Residential Surrounding Greenspace and Mental Health in Three Spanish Areas. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 5670.	1.2	12
79	Prenatal and postnatal insecticide use and infant neuropsychological development in a multicenter birth cohort study. <i>Environment International</i> , 2013, 59, 175-182.	4.8	11
80	Water hardness and eczema at 1 and 4y of age in the INMA birth cohort. <i>Environmental Research</i> , 2015, 142, 579-585.	3.7	11
81	Prenatal head growth and child neuropsychological development at age 14 months. <i>American Journal of Obstetrics and Gynecology</i> , 2015, 212, 661.e1-661.e11.	0.7	11
82	Efecto del alcohol y sus metabolitos en el cáncer de pulmón: estudio CAPUA. <i>Medicina Clínica</i> , 2017, 148, 531-538.	0.3	11
83	Mother-child transfer rates of organohalogen compounds up to four years of age. <i>Environment International</i> , 2019, 133, 105241.	4.8	10
84	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.	0.9	10
85	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, 327.	1.7	10
86	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.	3.7	10
87	Annoyance Caused by Noise and Air Pollution during Pregnancy: Associated Factors and Correlation with Outdoor NO ₂ and Benzene Estimations. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 7044-7058.	1.2	9
88	Endocrinología y nutrición: evolución de la elección de la especialidad en los últimos años. <i>Endocrinología, Diabetes Y Nutrición</i> , 2017, 64, 329-331.	0.1	9
89	Effects of residential greenness on attention in a longitudinal study at 8 and 11-13 years. <i>Environmental Research</i> , 2022, 210, 112994.	3.7	9
90	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.	2.8	8

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91	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.	1.4	8
92	Dietary Intake of Trans Fatty Acids in Children Aged 4-5 in Spain: The INMA Cohort Study. <i>Nutrients</i> , 2016, 8, 625.	1.7	7
93	Effect of alcohol and its metabolites in lung cancer: CAPUA study. <i>Medicina Clínica (English Edition)</i> , 2017, 148, 531-538.	0.1	7
94	Análisis de la elección de la especialidad de radiodiagnóstico en el examen MIR desde el año 2006 hasta 2015. <i>Radiología</i> , 2017, 59, 232-246.	0.3	7
95	La elección de la especialidad medicina intensiva: análisis de los últimos 10 años. <i>Medicina Intensiva</i> , 2018, 42, 65-68.	0.4	7
96	Prenatal Exposure to Cigarette Smoke and Anogenital Distance at 4 Years in the INMA-Asturias Cohort. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 4774.	1.2	7
97	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.	3.9	7
98	Gastroenterology - Evolution of specialty choice in recent years. <i>Revista Espanola De Enfermedades Digestivas</i> , 2017, 109, 614-618.	0.1	7
99	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.	0.7	7
100	Popularidad de Neurología en España: análisis de la elección de la especialidad. <i>Neurología</i> , 2020, 35, 543-550.	0.3	6
101	Urinary cobalt and ferritin in four-years-old children. <i>Environmental Research</i> , 2020, 183, 109147.	3.7	6
102	Systematic analyses of regulatory variants in DNase I hypersensitive sites identified two novel lung cancer susceptibility loci. <i>Carcinogenesis</i> , 2019, 40, 432-440.	1.3	5
103	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.	1.4	5
104	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.	1.3	4
105	Maternal sleep duration and neonate birth weight: A population-based cohort study. <i>International Journal of Gynecology and Obstetrics</i> , 2021, , .	1.0	4
106	Geographical Variability in Mortality in Urban Areas: A Joint Analysis of 16 Causes of Death. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 5664.	1.2	4
107	Prenatal and postnatal residential usage of insecticides in a multicenter birth cohort in Spain. <i>Science of the Total Environment</i> , 2013, 445-446, 273-280.	3.9	3
108	Serum concentrations of persistent organic pollutants mixture during pregnancy and anogenital distance in 8-year-old children from the INMA-Asturias cohort. <i>Environmental Research</i> , 2022, 213, 113607.	3.7	3

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109	Environmental and dietary determinants of metal exposure in four-year-old children from a cohort located in an industrial area (Asturias, Northern Spain). <i>Environmental Research</i> , 2022, 214, 113862.	3.7	3
110	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.	0.1	2
111	Spatial Distribution of Hospitalizations for Ischemic Heart Diseases in the Central Region of Asturias, Spain. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 12320.	1.2	2
112	Alcohol Consumption and Lung Cancer According to Ile349Val Polymorphism in <i>ADH3</i> Gene: Beyond the Tobacco Smoking Effect. <i>Journal of Cancer</i> , 2017, 8, 2296-2302.	1.2	1
113	88 Genetic polymorphisms in the MMP2 and MMP9 genes decreased lung cancer risk. <i>European Journal of Cancer, Supplement</i> , 2010, 8, 23.	2.2	0
114	Occupation and leukaemia in Spain 2007-2012. <i>Occupational and Environmental Medicine</i> , 2014, 71, A117.4-A118.	1.3	0
115	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.	0.2	0