Ioar Rivas

List of Publications by Year
in descending order

51 papers	3,933 citations	117571 34 h-index	197736 49 g-index
54 all docs	54 docs citations	54 times ranked	4696 citing authors

#	Article	IF	Citations
1	Green spaces and cognitive development in primary schoolchildren. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7937-7942.	3.3	577
2	Association between Traffic-Related Air Pollution in Schools and Cognitive Development in Primary School Children: A Prospective Cohort Study. PLoS Medicine, 2015, 12, e1001792.	3.9	399
3	Child exposure to indoor and outdoor air pollutants in schools in Barcelona, Spain. Environment International, 2014, 69, 200-212.	4.8	243
4	Sources of indoor and outdoor PM2.5 concentrations in primary schools. Science of the Total Environment, 2014, 490, 757-765.	3.9	153
5	The association between greenness and traffic-related air pollution at schools. Science of the Total Environment, 2015, 523, 59-63.	3.9	146
6	Urban air quality comparison for bus, tram, subway and pedestrian commutes in Barcelona. Environmental Research, 2015, 142, 495-510.	3.7	136
7	Traffic pollution exposure is associated with altered brain connectivity in school children. NeuroImage, 2016, 129, 175-184.	2.1	127
8	Traffic-Related Air Pollution, Noise at School, and Behavioral Problems in Barcelona Schoolchildren: A Cross-Sectional Study. Environmental Health Perspectives, 2016, 124, 529-535.	2.8	122
9	Exposure to air pollutants during commuting in London: Are there inequalities among different socio-economic groups?. Environment International, 2017, 101, 143-157.	4.8	106
10	Effect of exposure to polycyclic aromatic hydrocarbons on basal ganglia and attention-deficit hyperactivity disorder symptoms in primary school children. Environment International, 2017, 105, 12-19.	4.8	106
11	Source apportionment of particle number size distribution in urban background and traffic stations in four European cities. Environment International, 2020, 135, 105345.	4.8	106
12	Variability in and Agreement between Modeled and Personal Continuously Measured Black Carbon Levels Using Novel Smartphone and Sensor Technologies. Environmental Science & Technology, 2015, 49, 2977-2982.	4.6	105
13	Outdoor infiltration and indoor contribution of UFP and BC, OC, secondary inorganic ions and metals in PM2.5 in schools. Atmospheric Environment, 2015, 106, 129-138.	1.9	100
14	Ambient air pollution and overweight and obesity in school-aged children in Barcelona, Spain. Environment International, 2019, 125, 58-64.	4.8	95
15	Association between Early Life Exposure to Air Pollution and Working Memory and Attention. Environmental Health Perspectives, 2019, 127, 57002.	2.8	82
16	Neurodevelopmental Deceleration by Urban Fine Particles from Different Emission Sources: A Longitudinal Observational Study. Environmental Health Perspectives, 2016, 124, 1630-1636.	2.8	76
17	Impact of commuting exposure to traffic-related air pollution on cognitive development in children walking to school. Environmental Pollution, 2017, 231, 837-844.	3.7	71
18	Spatiotemporally resolved black carbon concentration, schoolchildren's exposure and dose in <scp>B</scp> arcelona. Indoor Air, 2016, 26, 391-402.	2.0	69

#	Article	IF	Citations
19	Traffic-related Air Pollution and Attention in Primary School Children. Epidemiology, 2017, 28, 181-189.	1.2	68
20	Field comparison of portable and stationary instruments for outdoor urban air exposure assessments. Atmospheric Environment, 2015, 123, 220-228.	1.9	62
21	Indoor/outdoor relationships and mass closure of quasi-ultrafine, accumulation and coarse particles in Barcelona schools. Atmospheric Chemistry and Physics, 2014, 14, 4459-4472.	1.9	59
22	Determinants of black carbon, particle mass and number concentrations in London transport microenvironments. Atmospheric Environment, 2017, 161, 247-262.	1.9	58
23	Short-term effects of ultrafine particles on daily mortality by primary vehicle exhaust versus secondary origin in three Spanish cities. Environment International, 2018, 111, 144-151.	4.8	55
24	Effects of prenatal exposure to particulate matter air pollution on corpus callosum and behavioral problems in children. Environmental Research, 2019, 178, 108734.	3.7	55
25	Dynamics of coarse and fine particle exposure in transport microenvironments. Npj Climate and Atmospheric Science, 2018, 1, .	2.6	54
26	Outdoor and indoor UFP in primary schools across Barcelona. Science of the Total Environment, 2014, 493, 943-953.	3.9	53
27	Traffic-Related Air Pollution, APOE Îµ4 Status, and Neurodevelopmental Outcomes among School Children Enrolled in the BREATHE Project (Catalonia, Spain). Environmental Health Perspectives, 2018, 126, 087001.	2.8	53
28	Airborne copper exposure in school environments associated with poorer motor performance and altered basal ganglia. Brain and Behavior, 2016, 6, e00467.	1.0	51
29	Identification of technical problems affecting performance of DustTrak DRX aerosol monitors. Science of the Total Environment, 2017, 584-585, 849-855.	3.9	50
30	Exposure of in-pram babies to airborne particles during morning drop-in and afternoon pick-up of school children. Environmental Pollution, 2017, 224, 407-420.	3.7	48
31	Particle-related exposure, dose and lung cancer risk of primary school children in two European countries. Science of the Total Environment, 2018, 616-617, 720-729.	3.9	47
32	Phenomenology of high-ozone episodes in NE Spain. Atmospheric Chemistry and Physics, 2017, 17, 2817-2838.	1.9	45
33	How to protect school children from the neurodevelopmental harms of air pollution by interventions in the school environment in the urban context. Environment International, 2018, 121, 199-206.	4.8	38
34	Variability in exposure to ambient ultrafine particles in urban schools: Comparative assessment between Australia and Spain. Environment International, 2016, 88, 142-149.	4.8	36
35	Partitioning of trace elements and metals between quasi-ultrafine, accumulation and coarse aerosols in indoor and outdoor air in schools. Atmospheric Environment, 2015, 106, 392-401.	1.9	34
36	Variations in school playground and classroom atmospheric particulate chemistry. Atmospheric Environment, 2014, 91, 162-171.	1.9	28

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37	Characterization of Road Dust Emissions in Milan: Impact of Vehicle Fleet Speed. Aerosol and Air Quality Research, 2017, 17, 2438-2449.	0.9	28
38	Real-time indoor and outdoor measurements of black carbon at primary schools. Atmospheric Environment, 2015, 120, 417-426.	1.9	26
39	Traffic-related air pollution and spectacles use in schoolchildren. PLoS ONE, 2017, 12, e0167046.	1.1	25
40	Predictors of personal exposure to black carbon among women in southern semi-rural Mozambique. Environment International, 2019, 131, 104962.	4.8	22
41	Vertical and horizontal fall-off of black carbon and NO2 within urban blocks. Science of the Total Environment, 2019, 686, 236-245.	3.9	18
42	Associations between sources of particle number and mortality in four European cities. Environment International, 2021, 155, 106662.	4.8	16
43	Infection induced SARS-CoV-2 seroprevalence and heterogeneity of antibody responses in a general population cohort study in Catalonia Spain. Scientific Reports, 2021, 11, 21571.	1.6	16
44	Within-city contrasts in PM composition and sources and their relationship with nitrogen oxides. Journal of Environmental Monitoring, 2012, 14, 2718.	2.1	15
45	Interaction between airborne copper exposure and ATP7B polymorphisms on inattentiveness in scholar children. International Journal of Hygiene and Environmental Health, 2017, 220, 51-56.	2.1	14
46	Organic Air Quality Markers of Indoor and Outdoor PM2.5 Aerosols in Primary Schools from Barcelona. International Journal of Environmental Research and Public Health, 2020, 17, 3685.	1.2	10
47	Exposure to road traffic noise and cognitive development in schoolchildren in Barcelona, Spain: A population-based cohort study. PLoS Medicine, 2022, 19, e1004001.	3.9	10
48	Road traffic and sandy playground influence on ambient pollutants in schools. Atmospheric Environment, 2015, 111, 94-102.	1.9	9
49	Trends in primary and secondary particle number concentrations in urban and regional environments in NE Spain. Atmospheric Environment, 2021, 244, 117982.	1.9	5
50	Evaluating size-fractioned indoor particulate matter in an urban hospital in Iran. Environmental Monitoring and Assessment, 2021, 193, 521.	1.3	1
51	ContaminaciÃ³n del aire y salud, 20 aÃ±os despuÃ©s. Medicina ClÃnica, 2022, , .	0.3	0