

# Beatriz Sanchez

## List of Publications by Year in descending order

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14  
papers

445  
citations

1040056

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h-index

996975

15  
g-index

16  
all docs

16  
docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	High Spatial Resolution Assessment of the Effect of the Spanish National Air Pollution Control Programme on Street-Level NO <sub>2</sub> Concentrations in Three Neighborhoods of Madrid (Spain) Using Mesoscale and CFD Modelling. <i>Atmosphere</i> , 2022, 13, 248.	2.3	4
2	Simulating the pollutant dispersion during persistent Wintertime thermal Inversions over urban areas. The case of Madrid. <i>Atmospheric Research</i> , 2022, 270, 106058.	4.1	3
3	NO depolluting performance of photocatalytic materials in an urban area - Part II: Assessment through Computational Fluid Dynamics simulations. <i>Atmospheric Environment</i> , 2021, 246, 118091.	4.1	7
4	NO <sub>x</sub> depolluting performance of photocatalytic materials in an urban area – Part I: Monitoring ambient impact. <i>Atmospheric Environment</i> , 2021, 251, 118190.	4.1	9
5	Simulating the meteorology during persistent Wintertime Thermal Inversions over urban areas. The case of Madrid. <i>Atmospheric Research</i> , 2021, 263, 105789.	4.1	6
6	Assessment of a meteorological mesoscale model's capability to simulate intra-urban thermal variability in a tropical city. <i>Urban Climate</i> , 2021, 40, 101006.	5.7	5
7	Performance evaluation of a multiscale modelling system applied to particulate matter dispersion in a real traffic hot spot in Madrid (Spain). <i>Atmospheric Pollution Research</i> , 2020, 11, 141-155.	3.8	21
8	CFD modelling of vegetation barrier effects on the reduction of traffic-related pollutant concentration in an avenue of Pamplona, Spain. <i>Sustainable Cities and Society</i> , 2019, 48, 101559.	10.4	51
9	On the Impact of Trees on Ventilation in a Real Street in Pamplona, Spain. <i>Atmosphere</i> , 2019, 10, 697.	2.3	23
10	Review on urban tree modelling in CFD simulations: Aerodynamic, deposition and thermal effects. <i>Urban Forestry and Urban Greening</i> , 2018, 31, 212-220.	5.3	135
11	Application of a short term air quality action plan in Madrid (Spain) under a high-pollution episode - Part II: Assessment from multi-scale modelling. <i>Science of the Total Environment</i> , 2018, 635, 1574-1584.	8.0	46
12	Modelling NO <sub>x</sub> concentrations through CFD-RANS in an urban hot-spot using high resolution traffic emissions and meteorology from a mesoscale model. <i>Atmospheric Environment</i> , 2017, 163, 155-165.	4.1	55
13	The Impact of Planting Trees on NO <sub>x</sub> Concentrations: The Case of the Plaza de la Cruz Neighborhood in Pamplona (Spain). <i>Atmosphere</i> , 2017, 8, 131.	2.3	41
14	CFD modeling of reactive pollutant dispersion in simplified urban configurations with different chemical mechanisms. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 12143-12157.	4.9	38