

Marta GarcÃ-a Vivanco

List of Publications by Year in descending order

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52
papers

2,285
citations

236833

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all docs

56
docs citations

56
times ranked

3318
citing authors

#	ARTICLE	IF	CITATIONS
1	Benefit Analysis of the 1st Spanish Air Pollution Control Programme on Health Impacts and Associated Externalities. Atmosphere, 2021, 12, 32.	1.0	9
2	Evaluation of receptor and chemical transport models for PM10 source apportionment. Atmospheric Environment: X, 2020, 5, 100053.	0.8	41
3	Regional surface temperature simulations over the Iberian Peninsula: evaluation and climate projections. Climate Dynamics, 2020, 55, 3445-3468.	1.7	12
4	An exploratory performance assessment of the CHIMERE model (version 2017r4) for the northwestern Iberian Peninsula and the summer season. Geoscientific Model Development, 2020, 13, 3947-3973.	1.3	2
5	Multi-model Assessment of Air Pollution-Related Premature Mortality in Europe and U.S.: Domestic Versus Foreign Contributions. Springer Proceedings in Complexity, 2020, , 461-467.	0.2	0
6	An evaluation of European nitrogen and sulfur wet deposition and their trends estimated by six chemistry transport models for the period 1990-2010. Atmospheric Chemistry and Physics, 2019, 19, 379-405.	1.9	41
7	Modelling black carbon absorption of solar radiation: combining external and internal mixing assumptions. Atmospheric Chemistry and Physics, 2019, 19, 181-204.	1.9	24
8	EURODELTA III exercise: An evaluation of air quality models' capacity to reproduce the carbonaceous aerosol. Atmospheric Environment: X, 2019, 2, 100018.	0.8	11
9	Trends of inorganic and organic aerosols and precursor gases in Europe: insights from the EURODELTA multi-model experiment over the 1990-2010 period. Geoscientific Model Development, 2019, 12, 4923-4954.	1.3	29
10	Two-scale multi-model ensemble: is a hybrid ensemble of opportunity telling us more?. Atmospheric Chemistry and Physics, 2018, 18, 8727-8744.	1.9	10
11	Simulating secondary organic aerosol from anthropogenic and biogenic precursors: comparison to outdoor chamber experiments, effect of oligomerization on SOA formation and reactive uptake of aldehydes. Atmospheric Chemistry and Physics, 2018, 18, 15743-15766.	1.9	9
12	Modeled deposition of nitrogen and sulfur in Europe estimated by 14 air quality model systems: evaluation, effects of changes in emissions and implications for habitat protection. Atmospheric Chemistry and Physics, 2018, 18, 10199-10218.	1.9	47
13	A multi-model comparison of meteorological drivers of surface ozone over Europe. Atmospheric Chemistry and Physics, 2018, 18, 12269-12288.	1.9	42
14	Development of an inorganic and organic aerosol model (CHIMERE) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (2017<i<i<g>Model Development, 2018, 11, 165-194.	1.3	36
15	Assessment and economic valuation of air pollution impacts on human health over Europe and the United States as calculated by a multi-model ensemble in the framework of AQMEI3. Atmospheric Chemistry and Physics, 2018, 18, 5967-5989.	1.9	68
16	Influence of anthropogenic emissions and boundary conditions on multi-model simulations of major air pollutants over Europe and North America in the framework of AQMEI3. Atmospheric Chemistry and Physics, 2018, 18, 8929-8952.	1.9	32
17	Joint analysis of deposition fluxes and atmospheric concentrations of inorganic nitrogen and sulphur compounds predicted by six chemistry transport models in the frame of the EURODELTAIII project. Atmospheric Environment, 2017, 151, 152-175.	1.9	27
18	Evaluation and error apportionment of an ensemble of atmospheric chemistry transport modeling systems: multivariable temporal and spatial breakdown. Atmospheric Chemistry and Physics, 2017, 17, 3001-3054.	1.9	69

#	ARTICLE	IF	CITATIONS
19	Advanced error diagnostics of the CMAQ and Chimere modelling systems within the AQMEI3 model evaluation framework. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 10435-10465.	1.9	22
20	EURODELTA-Trends, a multi-model experiment of air quality hindcast in Europe over 1990â€“2010. <i>Geoscientific Model Development</i> , 2017, 10, 3255-3276.	1.3	41
21	DepÃ³sito atmosfÃ©rico de nitrÃ³geno en EspaÃ±a y evaluaciÃ³n del riesgo de efectos en los hÃ¡bitats terrestres de la Red de Parques Nacionales. <i>Ecosistemas</i> , 2017, 26, 55-65.	0.2	5
22	ModelizaciÃ³n de las fracciones gruesa y fina de Pb, Cd, As y Ni en el aire en EspaÃ±a. <i>FÃsica De La Tierra</i> , 2016, 27, .	0.1	1
23	Evaluation of some SOA formation schemes for the oxidation of anthropogenic gases against experiments in two outdoor chambers. <i>International Journal of Environment and Pollution</i> , 2016, 59, 43.	0.2	2
24	Presentation of the EURODELTA III intercomparison exercise â€“ evaluation of the chemistry transport models' performance on criteria pollutants and joint analysis with meteorology. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 12667-12701.	1.9	109
25	Factors influencing the foliar elemental composition and stoichiometry in forest trees in Spain. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2016, 18, 52-69.	1.1	55
26	Evaluation of the CHIMERE model estimating wet deposition in Spain. <i>International Journal of Environment and Pollution</i> , 2015, 57, 261.	0.2	1
27	Biogeochemical indicators of elevated nitrogen deposition in semiarid Mediterranean ecosystems. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 5831-5842.	1.3	30
28	Nitrogen deposition in Spain: Modeled patterns and threatened habitats within the Natura 2000 network. <i>Science of the Total Environment</i> , 2014, 485-486, 450-460.	3.9	49
29	Analysis of the spatial representativeness of rural background monitoring stations in Spain. <i>Atmospheric Pollution Research</i> , 2014, 5, 779-788.	1.8	25
30	A chromatographic method to analyze products from photo-oxidation of anthropogenic and biogenic mixtures of volatile organic compounds in smog chambers. <i>Talanta</i> , 2013, 106, 20-28.	2.9	4
31	Nitrogen deposition alters nitrogen cycling and reduces soil carbon content in low-productivity semiarid Mediterranean ecosystems. <i>Environmental Pollution</i> , 2013, 179, 185-193.	3.7	50
32	CHIMERE 2013: a model for regional atmospheric composition modelling. <i>Geoscientific Model Development</i> , 2013, 6, 981-1028.	1.3	392
33	Experimental data on SOA formation from mixtures of anthropogenic and biogenic organic compounds. <i>Atmosfera</i> , 2013, 26, 59-73.	0.3	5
34	Combination of measured and modelling data in air quality assessment in Spain. <i>International Journal of Environment and Pollution</i> , 2012, 49, 36.	0.2	10
35	SO ₂ effect on secondary organic aerosol from a mixture of anthropogenic VOCs: experimental and modelled results. <i>International Journal of Environment and Pollution</i> , 2012, 50, 224.	0.2	12
36	Modelling Some Heavy Metals Air Concentration in Europe. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 5227-5242.	1.1	12

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37	Implementation in CHIMERE of a conservative solver for the advection equation. Journal of Computational and Applied Mathematics, 2012, 236, 3026-3033.	1.1	4
38	Evaluation of CMAQ parameterizations for SOA formation from the photooxidation of α -pinene and limonene against smog chamber data. Atmospheric Environment, 2012, 56, 236-245.	1.9	10
39	Modelling Arsenic, Lead, Cadmium and Nickel Ambient Air Concentrations in Spain. , 2011, , .		5
40	Modelling the influence of peri-urban trees in the air quality of Madrid region (Spain). Environmental Pollution, 2011, 159, 2138-2147.	3.7	48
41	SOA formation in a photoreactor from a mixture of organic gases and HONO for different experimental conditions. Atmospheric Environment, 2011, 45, 708-715.	1.9	29
42	A Comparison of Different Advective Solvers in the CHIMERE Air Quality Model. Lecture Notes in Computer Science, 2011, , 35-49.	1.0	0
43	Evaluating the Impact of Resolution on the Predictions of an Air Quality Model over Madrid Area (Spain). Studies in Computational Intelligence, 2011, , 145-162.	0.7	3
44	Evaluation of SOA Formation Using a Box Model Version of CMAQ and Chamber Experimental Data. Lecture Notes in Computer Science, 2011, , 374-386.	1.0	1
45	Multi-year assessment of photochemical air quality simulation over Spain. Environmental Modelling and Software, 2009, 24, 63-73.	1.9	41
46	Intercontinental Impacts of Ozone Pollution on Human Mortality. Environmental Science & Technology, 2009, 43, 6482-6487.	4.6	126
47	Multimodel estimates of intercontinental source-receptor relationships for ozone pollution. Journal of Geophysical Research, 2009, 114, .	3.3	430
48	The influence of foreign vs. North American emissions on surface ozone in the US. Atmospheric Chemistry and Physics, 2009, 9, 5027-5042.	1.9	141
49	Relation between ozone levels and NO _x and VOC emissions in the Sao Paulo Metropolitan Area for an episode of August, 1998. International Journal of Environment and Pollution, 2008, 35, 90.	0.2	4
50	Caliope: an operational air quality forecasting system for the Iberian Peninsula, Balearic Islands and Canary Islands – first annual evaluation and ongoing developments. Advances in Science and Research, 2008, 2, 89-98.	1.0	48
51	An evaluation of SOA modelling in the Madrid metropolitan area. , 2008, , .		1
52	Validation of the emission inventory in the Sao Paulo Metropolitan Area of Brazil, based on ambient concentrations ratios of CO, NMOG and NO _x and on a photochemical model. Atmospheric Environment, 2006, 40, 1189-1198.	1.9	51