

Juan L PÃ©rez

List of Publications by Year in descending order

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56
papers

1,666
citations

331259

21
h-index

301761

39
g-index

60
all docs

60
docs citations

60
times ranked

2041
citing authors

#	ARTICLE	IF	CITATIONS
1	Data assimilation in atmospheric chemistry models: current status and future prospects for coupled chemistry meteorology models. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 5325-5358.	1.9	201
2	Evaluation of operational on-line-coupled regional air quality models over Europe and North America in the context of AQMEII phase 2. Part I: Ozone. <i>Atmospheric Environment</i> , 2015, 115, 404-420.	1.9	168
3	Evaluation of operational online-coupled regional air quality models over Europe and North America in the context of AQMEII phase 2. Part II: Particulate matter. <i>Atmospheric Environment</i> , 2015, 115, 421-441.	1.9	133
4	Feedbacks between air pollution and weather, Part 1: Effects on weather. <i>Atmospheric Environment</i> , 2015, 115, 442-469.	1.9	102
5	Feedbacks between air pollution and weather, part 2: Effects on chemistry. <i>Atmospheric Environment</i> , 2015, 115, 499-526.	1.9	99
6	Influence of the choice of gas-phase mechanism on predictions of key gaseous pollutants during the AQMEII phase-2 intercomparison. <i>Atmospheric Environment</i> , 2015, 115, 553-568.	1.9	92
7	Analysis of the WRF-Chem contributions to AQMEII phase2 with respect to aerosol radiative feedbacks on meteorology and pollutant distributions. <i>Atmospheric Environment</i> , 2015, 115, 630-645.	1.9	87
8	Comparative analysis of meteorological performance of coupled chemistry-meteorology models in the context of AQMEII phase 2. <i>Atmospheric Environment</i> , 2015, 115, 470-498.	1.9	85
9	Uncertainties of simulated aerosol optical properties induced by assumptions on aerosol physical and chemical properties: An AQMEII-2 perspective. <i>Atmospheric Environment</i> , 2015, 115, 541-552.	1.9	84
10	Prediction of ozone levels in London using the MM5â€“CMAQ modelling system. <i>Environmental Modelling and Software</i> , 2006, 21, 566-576.	1.9	83
11	Analysis of meteorologyâ€“chemistry interactions during air pollution episodes using online coupled models within AQMEII phase-2. <i>Atmospheric Environment</i> , 2015, 115, 527-540.	1.9	61
12	Assessment of the MACC reanalysis and its influence as chemical boundary conditions for regional air quality modeling in AQMEII-2. <i>Atmospheric Environment</i> , 2015, 115, 371-388.	1.9	59
13	Sensitivity of feedback effects in CBMZ/MOSAIC chemical mechanism. <i>Atmospheric Environment</i> , 2015, 115, 646-656.	1.9	37
14	Sensitivity analysis of the microphysics scheme in WRF-Chem contributions to AQMEII phase 2. <i>Atmospheric Environment</i> , 2015, 115, 620-629.	1.9	37
15	A multi-model assessment for the 2006 and 2010 simulations under the Air Quality Model Evaluation International Initiative (AQMEII) phase 2 over North America: Part I. Indicators of the sensitivity of O3 and PM2.5 formation regimes. <i>Atmospheric Environment</i> , 2015, 115, 569-586.	1.9	36
16	Effects of climate change on the health of citizens modelling urban weather and air pollution. <i>Energy</i> , 2018, 165, 53-62.	4.5	33
17	An operational real-time air quality modelling system for industrial plants. <i>Environmental Modelling and Software</i> , 2007, 22, 297-307.	1.9	32
18	Impacts of the 4.5 and 8.5 RCP global climate scenarios on urban meteorology and air quality: Application to Madrid, Antwerp, Milan, Helsinki and London. <i>Journal of Computational and Applied Mathematics</i> , 2016, 293, 192-207.	1.1	32

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19	A modelling study of an extraordinary night time ozone episode over Madrid domain. <i>Environmental Modelling and Software</i> , 2005, 20, 587-593.	1.9	30
20	European operational air quality forecasting system by using MM5â€“CMAQâ€“EMIMO tool. <i>Simulation Modelling Practice and Theory</i> , 2008, 16, 1534-1540.	2.2	25
21	A multi-model assessment for the 2006 and 2010 simulations under the Air Quality Model Evaluation International Initiative (AQMEII) Phase 2 over North America: Part II. Evaluation of column variable predictions using satellite data. <i>Atmospheric Environment</i> , 2015, 115, 587-603.	1.9	25
22	Insights into the deterministic skill of air quality ensembles from the analysis of AQMEII data. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 15629-15652.	1.9	23
23	An assessment of aerosol optical properties from remote-sensing observations and regional chemistryâ€“climate coupled models over Europe. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 5021-5043.	1.9	18
24	Regional effects of atmospheric aerosols on temperature: an evaluation of an ensemble of online coupled models. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 9677-9696.	1.9	14
25	The evaluation of the air quality impact of an incinerator by using MM5-CMAQ-EMIMO modeling system: North of Spain case study. <i>Environment International</i> , 2008, 34, 714-719.	4.8	8
26	Improving air quality modelling systems by using on-line wild land fire forecasting tools coupled into WRF/Chem simulations over Europe. <i>Urban Climate</i> , 2017, 22, 2-18.	2.4	8
27	Analysis of fire behaviour simulations over Spain with WRF-FIRE. <i>International Journal of Environment and Pollution</i> , 2014, 55, 148.	0.2	7
28	Application of mathematical models to simulate an extreme air pollution episode in the Bulgarian city of Stara Zagora. <i>Applied Mathematical Modelling</i> , 2008, 32, 1607-1619.	2.2	6
29	The Use of Modern Third-Generation Air Quality Models (MM5-EMIMO-CMAQ) for Real-Time Operational Air Quality Impact Assessment of Industrial Plants. <i>Water, Air and Soil Pollution</i> , 2009, 9, 27-37.	0.8	6
30	Elevated PM10 and PM2.5 concentrations in Europe: a model experiment with MM5-CMAQ and WRF-CHEM. , 2008, , .		6
31	Chapter Fourteen Computational Air Quality Modelling. <i>Developments in Integrated Environmental Assessment</i> , 2008, 3, 247-267.	0.0	5
32	A system for assessment of climatic air pollution levels in Bulgaria: description and first steps towards validation. <i>International Journal of Environment and Pollution</i> , 2011, 46, 18.	0.2	4
33	Numerical modelling of 2003 summer forest fire impacts on air quality over Portugal. , 2010, , .		3
34	Implementation of energy fluxes in EULAG with a new 3D shadow model. <i>International Journal of Environment and Pollution</i> , 2012, 50, 317.	0.2	2
35	From top-down land use planning intelligence to bottom-up stakeholder engagement for smart cities - a case study: DECUMANUS service products. <i>International Journal of Services, Technology and Management</i> , 2017, 23, 465.	0.1	2
36	Impacts on the Urban Air Quality and Health of Global Climate Scenarios Using Different Dynamical Downscaling Approaches. <i>Journal of Geoscience and Environment Protection</i> , 2016, 04, 168-174.	0.2	2

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37	An incinerator air quality impact assessment for metals, PAH, dioxins and furans by using the MM5-CMAQ-EMIMO atmospheric modelling system: Spain case study. International Journal of Environment and Pollution, 2008, 32, 250.	0.2	1
38	Climate Downscaling Processes Using WRF/Chem and CALMET Modelling Systems: Madrid Case Study. , 2014, , .		1
39	Comparison between different dynamical downscaling methods using WRF-Chem for urban applications: Madrid case study. International Journal of Environment and Pollution, 2015, 58, 293.	0.2	1
40	A Health Impact Assessment of Traffic Restrictions during Madrid NO ₂ Episode. IOP Conference Series: Earth and Environmental Science, 2018, 182, 012003.	0.2	1
41	Analysis of health impact assessment to outdoor and indoor air pollution in a prototype building in Madrid (Spain). IOP Conference Series: Earth and Environmental Science, 0, 489, 012010.	0.2	1
42	CFD and Mesoscale Air Quality Modelling Integration: Web Application for Las Palmas (Canary Islands.) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.1	1
43	Effects of Climate Change on the Health of Citizens Modelling Urban Weather and Air Pollution. , 0, , .		1
44	Air quality street level simulations by using an integrated mesoscale air quality modelling system (MM5-CMAQ-EMIMO) and a CFD model (MIMO): Madrid case study. WIT Transactions on Ecology and the Environment, 2006, , .	0.0	1
45	Air quality real-time operational forecasting system for Europe: an application of the MM5-CMAQ-EMIMO modelling system. WIT Transactions on Ecology and the Environment, 2006, , .	0.0	1
46	Improved modelling experiment for elevated PM ₁₀ and PM _{2.5} concentrations in Europe with MM5-CMAQ and WRF/CHEM. WIT Transactions on Ecology and the Environment, 2009, , .	0.0	1
47	CLIMATE CHANGE EFFECTS ON URBAN LEVEL: CITIZEN HEALTH AND BUILDING ENERGY DEMAND. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3/W2, 83-89.	0.2	1
48	Deposition Sensitivity Analysis by Using AVHRR/NOAA Global Data in Atmospheric Mesoscale Models: Application Over Madrid Domain. Systems Analysis Modelling Simulation, 2003, 43, 1189-1198.	0.1	0
49	The Use of MM5-CMAQ-EMIMO Modelling System (OPANA V4) for Air Quality Impact Assessment: Applications for Combined Cycle Power Plants and Refineries (Spain). NATO Security Through Science Series C: Environmental Security, 2008, , 707-708.	0.1	0
50	Operational short term health impact assessment of air pollution modelling system over Europe. International Journal of Environment and Pollution, 2014, 55, 174.	0.2	0
51	Modelling of urban climate impacts using regional and urban CFD models. Application to madrid (Spain) and London (UK). , 2017, , .		0
52	Real time and operational air quality forecasts in a power plant in Spain. WIT Transactions on Ecology and the Environment, 2006, , .	0.0	0
53	Advances on Real-Time Air Quality Forecasting Systems for Industrial Plants and Urban Areas by Using the MM5-CMAQ-EMIMO. Lecture Notes in Computer Science, 2008, , 450-457.	1.0	0
54	Real time air quality forecasting systems for industrial plants and urban areas by using the MM5-CMAQ-EMIMO. WIT Transactions on Ecology and the Environment, 2008, , .	0.0	0

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55	Advanced Results of the PM10 and PM2.5 Winter 2003 Episode by Using MM5-CMAQ and WRF/CHEM Models. Lecture Notes in Computer Science, 2010, , 206-213.	1.0	0
56	Remote sensing data assimilation in WRF-UCM mesoscale model: Madrid case study. WIT Transactions on Ecology and the Environment, 2010, , .	0.0	0