Ioannis Kioutsioukis

List of Publications by Year
in descending order

40	1,691	394286 19	315616 38
papers	citations	h-index	g-index

48	48	48	2411
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A review of operational, regional-scale, chemical weather forecasting models in Europe. Atmospheric Chemistry and Physics, 2012, 12, 1-87.	1.9	265
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. Atmospheric Environment, 2015, 115, 404-420.	1.9	168
3	Comparison of OMI NO₂ tropospheric columns with an ensemble of global and European regional air quality models. Atmospheric Chemistry and Physics, 2010, 10, 3273-3296.	1.9	165
4	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. Atmospheric Environment, 2015, 115, 421-441.	1.9	133
5	Statistical assessment of changes in climate extremes over Greece (1955â€“2002). International Journal of Climatology, 2010, 30, 1723-1737.	1.5	101
6	Development and Assessment of Neural Network and Multiple Regression Models in Order to Predict PM10 Levels in a Medium-sized Mediterranean City. Water, Air, and Soil Pollution, 2007, 182, 325-334.	1.1	82
7	Uncertainty and global sensitivity analysis of road transport emission estimates. Atmospheric Environment, 2004, 38, 6609-6620.	1.9	72
8	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 AQMEII3. Atmospheric Chemistry and Physics, 2018, 18, 5967-5989.	1.9	68
9	A model for European Biogenic Volatile Organic Compound emissions: Software development and first validation. Environmental Modelling and Software, 2010, 25, 1845-1856.	1.9	67
10	Satellite Earth Observation Data in Epidemiological Modeling of Malaria, Dengue and West Nile Virus: A Scoping Review. Remote Sensing, 2019, 11, 1862.	1.8	50
11	High resolution WRF ensemble forecasting for irrigation: Multi-variable evaluation. Atmospheric Research, 2016, 167, 156-174.	1.8	42
12	Decadal regional air quality simulations over Europe in present climate: near surface ozone sensitivity to external meteorological forcing. Atmospheric Chemistry and Physics, 2010, 10, 11805-11821.	1.9	41
13	A sensitivity study of the Regional Climate Model (RegCM3) to the convective scheme with emphasis in central eastern and southeastern Europe. Theoretical and Applied Climatology, 2009, 97, 327-337.	1.3	38
14	<i>E pluribus unum</i>*: ensemble air quality predictions. Atmospheric Chemistry and Physics, 2013, 13, 7153-7182.	1.9	36
15	Pauci ex tanto numero: reduce redundancy in multi-model ensembles. Atmospheric Chemistry and Physics, 2013, 13, 8315-8333.	1.9	34
16	<i>De praeceptis ferendis</i>: good practice in multi-model ensembles. Atmospheric Chemistry and Physics, 2014, 14, 11791-11815.	1.9	33
17	Satellite observations and model simulations of tropospheric NO₂ columns over south-eastern Europe. Atmospheric Chemistry and Physics, 2009, 9, 6119-6134.	1.9	32
18	Evaluation of high resolution simulated and OMI retrieved tropospheric NO2 column densities over Southeastern Europe. Atmospheric Research, 2013, 122, 55-66.	1.8	31

#	Article	IF	Citations
19	Neural Network Model for Predicting Peak Photochemical Pollutant Levels. Journal of the Air and Waste Management Association, 2000, 50, 495-501.	0.9	27
20	Insights into the deterministic skill of air quality ensembles from the analysis of AQMEII data. Atmospheric Chemistry and Physics, 2016, 16, 15629-15652.	1.9	23
21	Effects of methane outgassing on the Black Sea atmosphere. Atmospheric Chemistry and Physics, 2006, 6, 5173-5182.	1.9	19
22	Assessment of West nile virus transmission risk from a weather-dependent epidemiological model and a global sensitivity analysis framework. Acta Tropica, 2019, 193, 129-141.	0.9	19
23	Uncertainty and Sensitivity Analysis of National Road Transport Inventories Compiled with COPERT 4. Procedia, Social and Behavioral Sciences, 2010, 2, 7690-7691.	0.5	18
24	Statistical downscaling of daily precipitation over Greece. International Journal of Climatology, 2008, 28, 679-691.	1.5	16
25	Technical note: AQMEII4 Activity 1: evaluation of wet and dry deposition schemes as an integral part of regional-scale air quality models. Atmospheric Chemistry and Physics, 2021, 21, 15663-15697.	1.9	14
26	Efficient sensitivity computations in 3D air quality models. Computer Physics Communications, 2005, 167, 23-33.	3.0	12
27	Forecasting Particulate Pollution in an Urban Area: From Copernicus to Sub-Km Scale. Atmosphere, 2021, 12, 881.	1.0	11
28	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
29	Simulation of the cooking organic aerosol concentration variability in an urban area. Atmospheric Environment, 2021, 265, 118710.	1.9	10
30	Changes in PM_{2.5} concentrations and their sources in the US from 1990 to 2010. Atmospheric Chemistry and Physics, 2021, 21, 17115-17132.	1.9	9
31	A climate-dependent spatial epidemiological model for the transmission risk of West Nile virus at local scale. One Health, 2021, 13, 100330.	1.5	8
32	Source-resolved variability of fine particulate matter and human exposure in an urban area. Atmospheric Chemistry and Physics, 2022, 22, 2011-2027.	1.9	8
33	Robust stochastic seasonal precipitation scenarios. International Journal of Climatology, 2006, 26, 2077-2095.	1.5	6
34	Tropospheric Correction of Sentinel-1 Synthetic Aperture Radar Interferograms Using a High-Resolution Weather Model Validated by GNSS Measurements. Remote Sensing, 2021, 13, 2258.	1.8	6
35	Use of GNSS Tropospheric Delay Measurements for the Parameterization and Validation of WRF High-Resolution Re-Analysis over the Western Gulf of Corinth, Greece: The PaTrop Experiment. Remote Sensing, 2021, 13, 1898.	1.8	5
36	On the Transmission Dynamics of SARS-CoV-2 in a Temperate Climate. International Journal of Environmental Research and Public Health, 2021, 18, 1660.	1.2	3

#	Article	IF	Citations
37	Seasonal ozone vertical profiles over North America using the AQMEII3 group of air quality models: model inter-comparison and stratospheric intrusions. Atmospheric Chemistry and Physics, 2018, 18, 13925-13945.	1.9	2
38	AMFIC Web Data Base - A Satellite System for the Monitoring and Forecasting of Atmospheric Pollution. Journal of Engineering Science and Technology Review, 2008, 1, 58-61.	0.2	1
39	De praeceptis ferendis: Air Quality Multi-model Ensembles. Springer Proceedings in Complexity, 2016, , 553-556.	0.2	0
40	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