

# Konstantinos Moustris

## List of Publications by Year in descending order

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52  
papers

945  
citations

528359

15  
h-index

445597

30  
g-index

59  
all docs

59  
docs citations

59  
times ranked

1271  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for Interaction between Air Pollution and High Temperature in the Causation of Excess Mortality. Archives of Environmental Health, 1993, 48, 235-242.	0.3	234
2	3-Day-Ahead Forecasting of Regional Pollution Index for the Pollutants NO <sub>2</sub> , CO, SO <sub>2</sub> , and O <sub>3</sub> Using Artificial Neural Networks in Athens, Greece. Water, Air, and Soil Pollution, 2010, 209, 29-43.	2.5	99
3	Artificial neural networks modeling for forecasting the maximum daily total precipitation at Athens, Greece. Atmospheric Research, 2014, 144, 141-150.	4.3	72
4	Rain intensity forecast using Artificial Neural Networks in Athens, Greece. Atmospheric Research, 2013, 119, 153-160.	4.3	50
5	Application of Multiple Linear Regression Models and Artificial Neural Networks on the Surface Ozone Forecast in the Greater Athens Area, Greece. Advances in Meteorology, 2012, 2012, 1-8.	1.7	42
6	Energy consumption based on heating/cooling degree days within the urban environment of Athens, Greece. Theoretical and Applied Climatology, 2015, 122, 517-529.	2.8	39
7	Artificial neural network modelling of moisture content evolution for convective drying of cylindrical quince slices. Computers and Electronics in Agriculture, 2020, 172, 105074.	7.9	38
8	Use of neural networks for the creation of hourly global and diffuse solar irradiance data at representative locations in Greece. Renewable Energy, 2008, 33, 928-932.	9.0	30
9	Application of Artificial Neuron Networks as energy consumption forecasting tool in the building of Regulatory Authority of Energy, Athens, Greece. Energy Procedia, 2019, 157, 851-861.	1.8	30
10	Development and Application of Artificial Neural Network Modeling in Forecasting PM <sub>10</sub> Levels in a Mediterranean City. Water, Air, and Soil Pollution, 2013, 224, 1.	2.5	27
11	An Advanced Forecasting System for the Optimum Energy Management of Island Microgrids. Energy Procedia, 2019, 159, 111-116.	1.8	26
12	Health impacts due to particulate air pollution in Volos City, Greece. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2016, 51, 15-20.	1.7	20
13	Medium, short and very short-term prognosis of load demand for the Greek Island of Tilos using artificial neural networks and human thermal comfort-discomfort biometeorological data. Renewable Energy, 2020, 147, 100-109.	9.0	20
14	Fractal and Long-Memory Traces in PM <sub>10</sub> Time Series in Athens, Greece. Environments - MDPI, 2019, 6, 29.	3.4	19
15	Assessment of human thermal comfort perception in a non-air-conditioned school building in Athens, Greece. Energy Procedia, 2019, 157, 1343-1352.	1.8	17
16	Transportation and Air Quality Perspectives and Projections in a Mediterranean Country, the Case of Greece. Land, 2022, 11, 152.	3.0	14
17	Forecasting the discomfort levels within the greater Athens area, Greece using artificial neural networks and multiple criteria analysis. Theoretical and Applied Climatology, 2012, 110, 329-343.	2.8	13
18	Determination of the aerodynamic droplet breakup boundaries based on a total force approach. International Journal of Heat and Fluid Flow, 2018, 69, 164-173.	2.4	13

#	ARTICLE	IF	CITATIONS
19	One-Day Prediction of Biometeorological Conditions in a Mediterranean Urban Environment Using Artificial Neural Networks Modeling. <i>Advances in Meteorology</i> , 2013, 2013, 1-15.	1.7	11
20	Estimation of Particulate Matter Impact on Human Health within the Urban Environment of Athens City, Greece. <i>Urban Science</i> , 2017, 1, 6.	2.3	11
21	Development and application of artificial neural network models to estimate values of a complex human thermal comfort index associated with urban heat and cool island patterns using air temperature data from a standard meteorological station. <i>International Journal of Biometeorology</i> , 2018, 62, 1265-1274.	3.1	11
22	Long-memory traces in $\text{PM}_{10}$ time series in Athens, Greece: investigation through DFA and R/S analysis. <i>Meteorology and Atmospheric Physics</i> , 2021, 133, 261-279.	2.0	11
23	One day-ahead forecasting of mean hourly global solar irradiation for energy management systems purposes using artificial neural network modeling. , 2016, , .		9
24	Wind power forecasting using historical data and artificial neural networks modeling. , 2016, , .		9
25	24-h Ahead Wind Speed Prediction for the Optimum Operation of Hybrid Power Stations with the Use of Artificial Neural Networks. <i>Springer Atmospheric Sciences</i> , 2017, , 409-414.	0.0	9
26	Utilisation of Mass and Night Ventilation in Decreasing Cooling Load Demand. <i>Sustainability</i> , 2020, 12, 7826.	3.3	8
27	Spatiotemporal Evaluation of PM10 Concentrations within the Greater Athens Area, Greece. Trends, Variability and Analysis of a 19 Years Data Series. <i>Environments - MDPI</i> , 2020, 7, 85.	3.4	6
28	Combining Artificial Neural Network and Driverâ€‘Pressureâ€‘Stateâ€‘Impactâ€‘Response Approach for Evaluating a Mediterranean Lake. <i>Water (Switzerland)</i> , 2023, 15, 266.	2.8	6
29	Air Quality and Bioclimatic Conditions within the Greater Athens Area, Greece - Development and Applications of Artificial Neural Networks. , 0, , .		5
30	Assessment of Tobacco Exposure During Pregnancy by Meconium Analysis and Maternal Interview. <i>Journal of Analytical Toxicology</i> , 2020, 44, 797-802.	2.9	5
31	Stochastic and Self-Organisation Patterns in a 17-Year PM10 Time Series in Athens, Greece. <i>Entropy</i> , 2021, 23, 307.	2.3	5
32	Performance of Aether Low-Cost Sensor Device for Air Pollution Measurements in Urban Environments. Accuracy Evaluation Applying the Air Quality Index (AQI). <i>Atmosphere</i> , 2021, 12, 1246.	2.3	5
33	Adverse Health Effects (Bronchitis Cases) Due to Particulate Matter Exposure: A Twenty-Year Scenario Analysis for the Greater Athens Area (Greece) Using the AirQ+ Model. <i>Atmosphere</i> , 2023, 14, 389.	2.3	5
34	Day-Ahead Forecasting of the Theoretical and Actual Wind Power Generation in Energy-Constrained Island Systems. <i>Energies</i> , 2023, 16, 4562.	3.2	4
35	Electricity Consumption Prognosis with the Combination of Smart Metering and Artificial Neural Networks. , 2012, , .		3
36	Prediction of Electricity Load Demand in a Mediterranean Island Environment Based on the Physiologically Equivalent Temperature and Artificial Neural Networks Modeling. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
37	Estimation of Hospital Admissions Respiratory Disease Attributed to PM10 Exposure Using the AirQ Model Within the Greater Athens Area. Springer Atmospheric Sciences, 2017, , 1105-1110.	0.0	2
38	Assessment of the Thermal Comfort Conditions in a University Campus Using a 3D Microscale Climate Model, Utilizing Mobile Measurements. Springer Atmospheric Sciences, 2017, , 309-315.	0.0	2
39	Multifractal Patterns in 17-Year PM10 Time Series in Athens, Greece. Environments - MDPI, 2023, 10, 9.	3.4	1
40	Exposure to PM2.5 on Public Transport: Guidance for Field Measurements with Low-Cost Sensors. Atmosphere, 2024, 15, 330.	2.3	1
41	Weekendâ€™Weekday Effect Assessment of PM10 in Volos, Greece (2010â€™2014). Springer Atmospheric Sciences, 2017, , 957-962.	0.0	0
42	Rapid trabecular bone growth in puberty associated with stiffer arteries in adulthood â€™ longitudinal study on healthy young males. Archives of Osteoporosis, 2023, 18, .	2.6	0
43	Calculation of Inhaled Dose of Particulate Matter for Different Age Groups in the Metro Public Transport System in Athens, Greece. Environmental Sciences Proceedings, 0, , .	0.0	0
44	Estimating the Air Pollution Intake Dose in Three Port Cities in Europe with the Use of Ambient Fine Particulate Matter Measurements from Low-Cost Sensors. Environmental Sciences Proceedings, 0, , .	0.0	0
45	S.Ind.Ai.R.â€™School Network for Indoor Air Quality and Radon: An Innovative Platform for the Flexible Development of Indoor Environment Research Projects in Greek Schools. Environmental Sciences Proceedings, 0, , .	0.0	0
46	Radon Assessment: An Overview of Concentration Variability and Synergies with Other Health Risk Factors in Indoor Air. Environmental Sciences Proceedings, 0, , .	0.0	0
47	The Influence of Ozone Concentrations on Public Health over the Greater Athens Area, Greece. Environmental Sciences Proceedings, 0, , .	0.0	0
48	Artificial Neural Network Models for the Estimation of Air Temperature Cooling and Warming Patterns Inside Urban Clusters: The Case of Courtyards in Athens, Greece. Environmental Sciences Proceedings, 0, , .	0.0	0
49	Investigation into Atmospheric Pollution Impacts on Hospital Admissions in Attica Using Regression Models. Environmental Sciences Proceedings, 0, , .	0.0	0
50	Stochastic Assessment of Day-Ahead, Wind Energy Curtailment-Driven Demand Response Requirements in Non-Interconnected Island Systems. Environmental Sciences Proceedings, 0, , .	0.0	0
51	Trends of the Global Burden of Disease Linked to Ground-Level Ozone Pollution: A 30-Year Analysis for the Greater Athens Area, Greece. Atmosphere, 2024, 15, 380.	2.3	0
52	Development of Air Pollution Forecasting Models Applying Artificial Neural Networks in the Greater Area of Beijing City, China. Sustainability, 2024, 16, 8721.	3.3	0