

Konstantinos Moustris

List of Publications by Year in descending order

Source: [//exaly.com/author-pdf/6088979/publications.pdf](https://exaly.com/author-pdf/6088979/publications.pdf)

Version: 2024-02-01

51
papers

942
citations

511338

15
h-index

423188

30
g-index

58
all docs

58
docs citations

58
times ranked

1208
citing authors

#	ARTICLE	IF	CITATIONS
1	Exposure to PM _{2.5} on Public Transport: Guidance for Field Measurements with Low-Cost Sensors. <i>Atmosphere</i> , 2024, 15, 330.	2.3	1
2	Trends of the Global Burden of Disease Linked to Ground-Level Ozone Pollution: A 30-Year Analysis for the Greater Athens Area, Greece. <i>Atmosphere</i> , 2024, 15, 380.	2.3	0
3	Development of Air Pollution Forecasting Models Applying Artificial Neural Networks in the Greater Area of Beijing City, China. <i>Sustainability</i> , 2024, 16, 8721.	3.3	0
4	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
5	Multifractal Patterns in 17-Year PM ₁₀ Time Series in Athens, Greece. <i>Environments - MDPI</i> , 2023, 10, 9.	3.4	1
6	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
7	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
8	Transportation and Air Quality Perspectives and Projections in a Mediterranean Country, the Case of Greece. <i>Land</i> , 2022, 11, 152.	2.9	14
9	Long-memory traces in $\{PM\}_{10}$ 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
10	Stochastic and Self-Organisation Patterns in a 17-Year PM ₁₀ Time Series in Athens, Greece. <i>Entropy</i> , 2021, 23, 307.	2.3	5
11	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
12	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. <i>Renewable Energy</i> , 2020, 147, 100-109.	8.9	20
13	Artificial neural network modelling of moisture content evolution for convective drying of cylindrical quince slices. <i>Computers and Electronics in Agriculture</i> , 2020, 172, 105074.	7.8	38
14	Utilisation of Mass and Night Ventilation in Decreasing Cooling Load Demand. <i>Sustainability</i> , 2020, 12, 7826.	3.3	8
15	Spatiotemporal Evaluation of PM ₁₀ 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
16	Assessment of human thermal comfort perception in a non-air-conditioned school building in Athens, Greece. <i>Energy Procedia</i> , 2019, 157, 1343-1352.	1.8	17
17	An Advanced Forecasting System for the Optimum Energy Management of Island Microgrids. <i>Energy Procedia</i> , 2019, 159, 111-116.	1.8	26
18	Application of Artificial Neuron Networks as energy consumption forecasting tool in the building of Regulatory Authority of Energy, Athens, Greece. <i>Energy Procedia</i> , 2019, 157, 851-861.	1.8	30

#	ARTICLE	IF	CITATIONS
19	Fractal and Long-Memory Traces in PM10 Time Series in Athens, Greece. <i>Environments - MDPI</i> , 2019, 6, 29.	3.4	19
20	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
21	Determination of the aerodynamic droplet breakup boundaries based on a total force approach. <i>International Journal of Heat and Fluid Flow</i> , 2018, 69, 164-173.	2.4	13
22	Estimation of Hospital Admissions Respiratory Disease Attributed to PM10 Exposure Using the AirQ Model Within the Greater Athens Area. <i>Springer Atmospheric Sciences</i> , 2017, , 1105-1110.	0.0	2
23	Assessment of the Thermal Comfort Conditions in a University Campus Using a 3D Microscale Climate Model, Utilizing Mobile Measurements. <i>Springer Atmospheric Sciences</i> , 2017, , 309-315.	0.0	2
24	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
25	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
26	One Day-Ahead Prognosis of Energy Demand Using Artificial Intelligence and Biometeorological Indices. <i>Springer Atmospheric Sciences</i> , 2017, , 335-340.	0.0	2
27	Weekend“Weekday Effect Assessment of PM10 in Volos, Greece (2010“2014). <i>Springer Atmospheric Sciences</i> , 2017, , 957-962.	0.0	0
28	One day-ahead forecasting of mean hourly global solar irradiation for energy management systems purposes using artificial neural network modeling. , 2016, , .		9
29	Wind power forecasting using historical data and artificial neural networks modeling. , 2016, , .		9
30	Health impacts due to particulate air pollution in Volos City, Greece. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2016, 51, 15-20.	1.7	20
31	Energy consumption based on heating/cooling degree days within the urban environment of Athens, Greece. <i>Theoretical and Applied Climatology</i> , 2015, 122, 517-529.	2.8	39
32	Prediction of Electricity Load Demand in a Mediterranean Island Environment Based on the Physiologically Equivalent Temperature and Artificial Neural Networks Modeling. , 2014, , .		2
33	Artificial neural networks modeling for forecasting the maximum daily total precipitation at Athens, Greece. <i>Atmospheric Research</i> , 2014, 144, 141-150.	4.2	72
34	Development and Application of Artificial Neural Network Modeling in Forecasting PM10 Levels in a Mediterranean City. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	2.5	27
35	Rain intensity forecast using Artificial Neural Networks in Athens, Greece. <i>Atmospheric Research</i> , 2013, 119, 153-160.	4.2	50
36	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

#	ARTICLE	IF	CITATIONS
37	Application of Multiple Linear Regression Models and Artificial Neural Networks on the Surface Ozone Forecast in the Greater Athens Area, Greece. <i>Advances in Meteorology</i> , 2012, 2012, 1-8.	1.7	42
38	Electricity Consumption Prognosis with the Combination of Smart Metering and Artificial Neural Networks. , 2012, , .		3
39	Forecasting the discomfort levels within the greater Athens area, Greece using artificial neural networks and multiple criteria analysis. <i>Theoretical and Applied Climatology</i> , 2012, 110, 329-343.	2.8	13
40	3-Day-Ahead Forecasting of Regional Pollution Index for the Pollutants NO ₂ , CO, SO ₂ , and O ₃ Using Artificial Neural Networks in Athens, Greece. <i>Water, Air, and Soil Pollution</i> , 2010, 209, 29-43.	2.5	99
41	Use of neural networks for the creation of hourly global and diffuse solar irradiance data at representative locations in Greece. <i>Renewable Energy</i> , 2008, 33, 928-932.	8.9	30
42	Evidence for Interaction between Air Pollution and High Temperature in the Causation of Excess Mortality. <i>Archives of Environmental Health</i> , 1993, 48, 235-242.	0.3	234
43	Air Quality and Bioclimatic Conditions within the Greater Athens Area, Greece - Development and Applications of Artificial Neural Networks. , 0, , .		5
44	Calculation of Inhaled Dose of Particulate Matter for Different Age Groups in the Metro Public Transport System in Athens, Greece. <i>Environmental Sciences Proceedings</i> , 0, , .	0.0	0
45	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. <i>Environmental Sciences Proceedings</i> , 0, , .	0.0	0
46	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. <i>Environmental Sciences Proceedings</i> , 0, , .	0.0	0
47	Radon Assessment: An Overview of Concentration Variability and Synergies with Other Health Risk Factors in Indoor Air. <i>Environmental Sciences Proceedings</i> , 0, , .	0.0	0
48	The Influence of Ozone Concentrations on Public Health over the Greater Athens Area, Greece. <i>Environmental Sciences Proceedings</i> , 0, , .	0.0	0
49	Artificial Neural Network Models for the Estimation of Air Temperature Cooling and Warming Patterns Inside Urban Clusters: The Case of Courtyards in Athens, Greece. <i>Environmental Sciences Proceedings</i> , 0, , .	0.0	0
50	Investigation into Atmospheric Pollution Impacts on Hospital Admissions in Attica Using Regression Models. <i>Environmental Sciences Proceedings</i> , 0, , .	0.0	0
51	Stochastic Assessment of Day-Ahead, Wind Energy Curtailment-Driven Demand Response Requirements in Non-Interconnected Island Systems. <i>Environmental Sciences Proceedings</i> , 0, , .	0.0	0