

# John G Bartzis

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61  
papers

1,330  
citations

20  
h-index

35  
g-index

62  
ext. papers

1,585  
ext. citations

4.5  
avg, IF

4.29  
L-index

#	Paper	IF	Citations
61	Assessment of indoor air quality in office buildings across Europe - The OFFICAIR study. <i>Science of the Total Environment</i> , <b>2017</b> , 579, 169-178	10.2	99
60	PM2.5 chemical composition in five European Mediterranean cities: A 1-year study. <i>Atmospheric Research</i> , <b>2015</b> , 155, 102-117	5.4	95
59	Perceived Indoor Environment and Occupants' Comfort in European "Modern" Office Buildings: The OFFICAIR Study. <i>International Journal of Environmental Research and Public Health</i> , <b>2016</b> , 13,	4.6	92
58	Mediterranean rural ozone characteristics around the urban area of Athens. <i>Atmospheric Environment</i> , <b>2000</b> , 34, 5199-5208	5.3	83
57	Evaluation of Reynolds stress, k- $\epsilon$ and RNG k- $\epsilon$ turbulence models in street canyon flows using various experimental datasets. <i>Environmental Fluid Mechanics</i> , <b>2012</b> , 12, 379-403	2.2	68
56	CFD-RANS model validation of turbulent flow in a semi-idealized urban canopy. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2012</b> , 111, 61-72	3.7	57
55	Indoor air quality investigation of the school environment and estimated health risks: Two-season measurements in primary schools in Kozani, Greece. <i>Atmospheric Pollution Research</i> , <b>2016</b> , 7, 1128-1142	4.5	55
54	COST 732 in practice: the MUST model evaluation exercise. <i>International Journal of Environment and Pollution</i> , <b>2011</b> , 44, 403	0.7	53
53	VOCs and aldehydes source identification in European office buildings - The OFFICAIR study. <i>Building and Environment</i> , <b>2017</b> , 115, 18-24	6.5	51
52	PM2.5 source apportionment for the port city of Thessaloniki, Greece. <i>Science of the Total Environment</i> , <b>2019</b> , 650, 2337-2354	10.2	47
51	Concentration and chemical composition of PM2.5 for a one-year period at Thessaloniki, Greece: A comparison between city and port area. <i>Atmospheric Environment</i> , <b>2015</b> , 113, 197-207	5.3	42
50	Indoor air pollution, physical and comfort parameters related to schoolchildren's health: Data from the European SINPHONIE study. <i>Science of the Total Environment</i> , <b>2020</b> , 739, 139870	10.2	41
49	ADREA-I: A Three-Dimensional Transient Transport Code for Complex Terrain and Other Applications. <i>Nuclear Technology</i> , <b>1991</b> , 94, 135-148	1.4	41
48	Oxidative potential and chemical composition of PM2.5 in office buildings across Europe - The OFFICAIR study. <i>Environment International</i> , <b>2016</b> , 92-93, 324-33	12.9	41
47	An integrated multi-model approach for air quality assessment: Development and evaluation of the OSCAR Air Quality Assessment System. <i>Environmental Modelling and Software</i> , <b>2008</b> , 23, 268-281	5.2	34
46	Office characteristics and dry eye complaints in European workers - The OFFICAIR study. <i>Building and Environment</i> , <b>2016</b> , 102, 54-63	6.5	32
45	One-year intensive characterization on PM2.5 nearby port area of Thessaloniki, Greece. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 6812-26	5.1	26

44	Identification of strength and location of stationary point source of atmospheric pollutant in urban conditions using computational fluid dynamics model. <i>Mathematics and Computers in Simulation</i> , <b>2011</b> , 82, 244-257	3.3	24
43	Methods for comparing gridded inventories of atmospheric emissions--application for Milan province, Italy and the Greater Athens Area, Greece. <i>Science of the Total Environment</i> , <b>2003</b> , 303, 231-43	10.2	22
42	Prediction of high concentrations and concentration distribution of a continuous point source release in a semi-idealized urban canopy using CFD-RANS modeling. <i>Atmospheric Environment</i> , <b>2015</b> , 100, 48-56	5.3	20
41	PAHs sources contribution to the air quality of an office environment: experimental results and receptor model (PMF) application. <i>Air Quality, Atmosphere and Health</i> , <b>2010</b> , 3, 225-234	5.6	19
40	Personal Control of the Indoor Environment in Offices: Relations with Building Characteristics, Influence on Occupant Perception and Reported Symptoms Related to the Building - The OFFICAIR Project. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 3227	2.6	17
39	Indoor gaseous air pollutants determinants in office buildings-The OFFICAIR project. <i>Indoor Air</i> , <b>2020</b> , 30, 76-87	5.4	17
38	An integrated approach for the chemical characterization and oxidative potential assessment of indoor PM <sub>2.5</sub> . <i>Microchemical Journal</i> , <b>2015</b> , 119, 22-29	4.8	16
37	Improvement of source and wind field input of atmospheric dispersion model by assimilation of concentration measurements: Method and applications in idealized settings. <i>Applied Mathematical Modelling</i> , <b>2009</b> , 33, 3511-3521	4.5	16
36	Modelling concentration fluctuations and individual exposure in complex urban environments. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2011</b> , 99, 349-356	3.7	16
35	Numerical experiments on the efficiency of local grid refinement based on truncation error estimates. <i>Journal of Computational Physics</i> , <b>2012</b> , 231, 6725-6753	4.1	15
34	Optimization of the numerical algorithms of the ADREA-I mesoscale prognostic meteorological model for real-time applications. <i>Environmental Modelling and Software</i> , <b>2008</b> , 23, 96-108	5.2	15
33	Chemical characterization of particulate matter (PM) and source apportionment study during winter and summer period for the city of Kozani, Greece. <i>Open Chemistry</i> , <b>2014</b> , 12, 643-651	1.6	14
32	Association of subjective health symptoms with indoor air quality in European office buildings: The OFFICAIR project. <i>Indoor Air</i> , <b>2021</b> , 31, 426-439	5.4	14
31	Spatial and temporal variation of particulate matter characteristics within office buildings - The OFFICAIR study. <i>Science of the Total Environment</i> , <b>2017</b> , 587-588, 59-67	10.2	13
30	Investigation of the PM, NO and O <sub>3</sub> /O ratios for office and school microenvironments. <i>Environmental Research</i> , <b>2019</b> , 179, 108791	7.9	13
29	PM <sub>1</sub> and PM <sub>2.5</sub> ionic composition and VOCs measurements in two typical apartments in Athens, Greece: investigation of smoking contribution to indoor air concentrations. <i>Environmental Monitoring and Assessment</i> , <b>2010</b> , 167, 321-31	3.1	13
28	Comparison of methods for converting Dylos particle number concentrations to PM <sub>2.5</sub> mass concentrations. <i>Indoor Air</i> , <b>2019</b> , 29, 450-459	5.4	12
27	Evolution and Transport of Pollutants over a Mediterranean Coastal Area: The Influence of Biogenic Volatile Organic Compound Emissions on Ozone Concentrations. <i>Journal of Applied Meteorology and Climatology</i> , <b>2000</b> , 39, 526-545		10

26	A comprehensive air quality investigation at an aquatic centre: Indoor/outdoor comparisons. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 16710-16719	5.1	9
25	Environmental data treatment to support exposure studies: The statistical behavior for NO, O, PM10 and PM2.5 air concentrations in Europe. <i>Environmental Research</i> , <b>2020</b> , 181, 108864	7.9	9
24	Radiation source rate estimation through data assimilation of gamma dose rate measurements for operational nuclear emergency response systems. <i>International Journal of Environment and Pollution</i> , <b>2012</b> , 50, 386	0.7	8
23	Parametric study of the dispersion aspects in a street-canyon area. <i>International Journal of Environment and Pollution</i> , <b>2005</b> , 25, 155	0.7	8
22	Commuters' Personal Exposure to Ambient and Indoor Ozone in Athens, Greece. <i>Environments - MDPI</i> , <b>2017</b> , 4, 53	3.2	7
21	Statistical Projection of Material Intensity: Evidence from the Global Economy and 107 Countries. <i>Journal of Industrial Ecology</i> , <b>2018</b> , 22, 1465-1472	7.2	5
20	Atmospheric dispersion and individual exposure of hazardous materials. Validation and intercomparison studies. <i>International Journal of Environment and Pollution</i> , <b>2014</b> , 55, 76	0.7	5
19	A Three-Dimensional Model Study of the Impact of AVOC and BVOC Emissions on Ozone in an Urban Area of the Eastern Spain. <i>Environmental Monitoring and Assessment</i> , <b>2000</b> , 65, 41-48	3.1	5
18	Advances in air quality research – Current and emerging challenges. <i>Atmospheric Chemistry and Physics</i> , <b>2022</b> , 22, 4615-4703	6.8	5
17	Experimental investigation and optimization of carbonylhydrazide application using different alkalization agents on boilers All-Volatile treatment. <i>Applied Thermal Engineering</i> , <b>2010</b> , 30, 1269-1275	5.8	4
16	Challenges on detection, identification and monitoring of indoor airborne chemical-biological agents. <i>Safety Science</i> , <b>2020</b> , 129, 104789	5.8	4
15	Simulation of Nocturnal Drainage Flows Enhanced by Deep Canyons: The Rocky Flats Case. <i>Journal of Applied Meteorology and Climatology</i> , <b>1997</b> , 36, 775-791		3
14	Dispersion modelling of radioactive pollutants: application of the 'Demokritos' Transport code system for Complex Terrain (DETRACT) to the Hanford Purex scenario. <i>International Journal of Environment and Pollution</i> , <b>2005</b> , 25, 33	0.7	3
13	Modelling Exposure from Airborne Hazardous Short-Duration Releases in Urban Environments. <i>Atmosphere</i> , <b>2021</b> , 12, 130	2.7	3
12	Assessment of Puff-Dispersion Variability Through Lagrangian and Eulerian Modelling Based on the JU2003 Campaign. <i>Boundary-Layer Meteorology</i> , <b>2019</b> , 171, 395-422	3.4	2
11	Modelling Short-Term Maximum Individual Exposure from Airborne Hazardous Releases in Urban Environments. Part II Validation of a Deterministic Model with Wind Tunnel Experimental Data. <i>Toxics</i> , <b>2015</b> , 3, 259-267	4.7	2
10	Evaluation of the Lagrangian particle dispersion model DIPCOT against data from wind tunnel simulations of quasi two-dimensional turbulent flow. <i>International Journal of Environment and Pollution</i> , <b>2005</b> , 24, 114	0.7	2
9	Microstructural analysis and determination of PM10 emission sources in an industrial Mediterranean city. <i>Open Chemistry</i> , <b>2014</b> , 12, 1081-1090	1.6	1

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| 8 | An investigation of the parameters influencing the determination of the number of particulate matter sources and their contribution to the air quality of an indoor residential environment. <i>Environmental Science and Engineering</i> , <b>2009</b> , 453-464 | 0.2 | 1 |
| 7 | Air quality in cabin environment of different passenger cars: effect of car usage, fuel type and ventilation/infiltration conditions. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 51232-51241   | 5.1 | 1 |
| 6 | CFD studies of pollutant spatial distribution in a large office. <i>International Journal of Environment and Pollution</i> , <b>2019</b> , 65, 125  | 0.7 |   |
| 5 | Modeling Short-Term Maximum Individual Exposure from Airborne Hazardous Releases in Urban Environments. Part I: Validation of a Deterministic Model with Field Experimental Data. <i>Toxics</i> , <b>2015</b> , 3, 249-258  | 4.7 |   |
| 4 | New Approaches on Prediction of Maximum Individual Exposure from Airborne Hazardous Releases. <i>NATO Security Through Science Series C: Environmental Security</i> , <b>2008</b> , 725-726   |     |   |
| 3 | A Three-Dimensional Model Study of the Impact of AVOC and BVOC Emissions on Ozone in an Urban Area of the Eastern Spain <b>2000</b> , 41-48   |     |   |
| 2 | Development of a decision support system for the operation of thermal power plants in Western Macedonia. <i>Environmental Science and Engineering</i> , <b>2009</b> , 149-161   | 0.2 |   |
| 1 | On exposure uncertainty quantification from accidental airborne point releases. <i>Journal of Hazardous Materials Advances</i> , <b>2022</b> , 6, 100080  |     |   |