Nadezda Zikova

List of Publications by Year
in descending order

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41 papers	1,696 citations	331670 21 h-index	302126 39 g-index
47 all docs	47 docs citations	47 times ranked	2767 citing authors

#	Article	IF	Citations
1	Precipitation scavenging of aerosol particles at a rural site in the Czech Republic. Tellus, Series B: Chemical and Physical Meteorology, 2022, 68, 27343.	1.6	33
2	Chemically speciated mass size distribution, particle density, shape and origin of non-refractory PM₁ measured at a rural background site in central Europe. Atmospheric Chemistry and Physics, 2022, 22, 5829-5858.	4.9	7
3	Atmospheric aerosol growth rates at different background station types. Environmental Science and Pollution Research, 2021, 28, 13352-13364.	5.3	4
4	Elemental and microbiota content in indoor and outdoor air using recuperation unit filters. Science of the Total Environment, 2021, 789, 147903.	8.0	4
5	Mass absorption cross-section and absorption enhancement from long term black and elemental carbon measurements: A rural background station in Central Europe. Science of the Total Environment, 2021, 794, 148365.	8.0	14
6	Activation of atmospheric aerosols in fog and low clouds. Atmospheric Environment, 2020, 230, 117490.	4.1	8
7	Spatial-temporal variability of aerosol sources based on chemical composition and particle number size distributions in an urban settlement influenced by metallurgical industry. Environmental Science and Pollution Research, 2020, 27, 38631-38643.	5.3	4
8	Characterization of Equivalent Black Carbon at a regional background site in Central Europe: Variability and source apportionmentâ˜†. Environmental Pollution, 2020, 260, 113771.	7.5	16
9	A global analysis of climate-relevant aerosol properties retrieved from the network of Global Atmosphere Watch (GAW) near-surface observatories. Atmospheric Measurement Techniques, 2020, 13, 4353-4392.	3.1	65
10	Long-Term Trends in PAH Concentrations and Sources at Rural Background Site in Central Europe. Atmosphere, 2019, 10, 687.	2.3	16
11	Comparison of atmospheric new particle formation events in three Central European cities. Atmospheric Environment, 2018, 178, 191-197.	4.1	27
12	Hourly land-use regression models based on low-cost PM monitor data. Environmental Research, 2018, 167, 7-14.	7.5	45
13	Evaluation of new low-cost particle monitors for PM2.5 concentrations measurements. Journal of Aerosol Science, 2017, 105, 24-34.	3.8	81
14	Markers of lipid oxidative damage in the exhaled breath condensate of nano TiO₂ production workers. Nanotoxicology, 2017, 11, 52-63.	3.0	51
15	Markers of lipid oxidative damage among office workers exposed intermittently to air pollutants including nanoTiO2 particles. Reviews on Environmental Health, 2017, 32, 193-200.	2.4	26
16	Estimating Hourly Concentrations of PM2.5 across a Metropolitan Area Using Low-Cost Particle Monitors. Sensors, 2017, 17, 1922.	3.8	71
17	Trajectory-Based Models and Remote Sensing for Biomass Burning Assessment in Bangladesh. Aerosol and Air Quality Research, 2017, 17, 465-475.	2.1	18
18	Transformations of Aerosol Particles from an Outdoor to Indoor Environment. Aerosol and Air Quality Research, 2017, 17, 653-665.	2.1	15

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19	Size-Resolved Penetration of Filtering Materials from CE-Marked Filtering Facepiece Respirators. Aerosol and Air Quality Research, 2017, 17, 1305-1315.	2.1	21
20	Intercomparison of 15 aerodynamic particle size spectrometers (APS 3321): uncertainties in particle sizing and number size distribution. Atmospheric Measurement Techniques, 2016, 9, 1545-1551.	3.1	39
21	On the source contribution to Beijing PM2.5 concentrations. Atmospheric Environment, 2016, 134, 84-95.	4.1	146
22	On the use of the field Sunset semi-continuous analyzer to measure equivalent black carbon concentrations. Aerosol Science and Technology, 2016, 50, 284-296.	3.1	7
23	Ultrafine particles in four European urban environments: Results from a new continuous long-term monitoring network. Atmospheric Environment, 2016, 136, 68-81.	4.1	92
24	Laboratory assessment of low-cost PM monitors. Journal of Aerosol Science, 2016, 102, 29-40.	3.8	150
25	Leukotrienes in exhaled breath condensate and fractional exhaled nitric oxide in workers exposed to TiO ₂ nanoparticles. Journal of Breath Research, 2016, 10, 036004.	3.0	31
26	Aerosol Distribution in The Planetary Boundary Layer Aloft a Residential Area. IOP Conference Series: Earth and Environmental Science, 2016, 44, 052017.	0.3	3
27	Markers of oxidative damage of nucleic acids and proteins among workers exposed to TiO₂(nano) particles. Occupational and Environmental Medicine, 2016, 73, 110-118.	2.8	76
28	Oxidative stress markers are elevated in exhaled breath condensate of workers exposed to nanoparticles during iron oxide pigment production. Journal of Breath Research, 2016, 10, 016004.	3.0	59
29	Raman microspectroscopy of exhaled breath condensate and urine in workers exposed to fine and nano TiO ₂ particles: a cross-sectional study. Journal of Breath Research, 2015, 9, 036008.	3.0	50
30	Seasonality of new particle formation in Vienna, Austria â€“ Influence of air mass origin and aerosol chemical composition. Atmospheric Environment, 2015, 118, 118-126.	4.1	27
31	Size-Resolved Penetration Through High-Efficiency Filter Media Typically Used for Aerosol Sampling. Aerosol Science and Technology, 2015, 49, 239-249.	3.1	31
32	Shrinkage of Newly Formed Particles in an Urban Environment. Aerosol and Air Quality Research, 2015, 15, 1313-1324.	2.1	17
33	Nanoparticles found in superheated steam: a quantitative analysis of possible heterogeneous condensation nuclei. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2014, 228, 186-193.	1.4	9
34	Markers of oxidative stress in exhaled breath condensate are significantly increased in workers exposed to aerosol containing TiO2 nanoparticles. Toxicology Letters, 2014, 229, S12.	0.8	4
35	Variations in tropospheric submicron particle size distributions across the European continent 2008â€“2009. Atmospheric Chemistry and Physics, 2014, 14, 4327-4348.	4.9	41
36	Deposition of suspended fine particulate matter in a library. Heritage Science, 2013, 1, .	2.3	16

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37	Annual precipitation cycle in regional climate models: the influence of horizontal resolution. Theoretical and Applied Climatology, 2013, 112, 521-533.	2.8	1
38	Efficient and Accurate Theoretical Methods To Investigate Anion-Ї€ Interactions in Protein Model Structures. Journal of Physical Chemistry B, 2013, 117, 3315-3322.	2.6	26
39	Long-Term Measurement of Aerosol Number Size Distributions at Rural Background Station KoÅ¡etice. Aerosol and Air Quality Research, 2013, 13, 1464-1474.	2.1	17
40	Primary versus secondary contributions to particle number concentrations in the European boundary layer. Atmospheric Chemistry and Physics, 2011, 11, 12007-12036.	4.9	110
41	Number size distributions and seasonality of submicron particles in Europe 2008â€“2009. Atmospheric Chemistry and Physics, 2011, 11, 5505-5538.	4.9	214