

# Andrea Rossnerova

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

1,299  
citations

304368

22  
h-index

395343

33  
g-index

59  
all docs

59  
docs citations

59  
times ranked

1894  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome-Wide DNA Methylation in Policemen Working in Cities Differing by Major Sources of Air Pollution. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1666.	1.8	16
2	Oxidative Stress and Antioxidant Response in Populations of the Czech Republic Exposed to Various Levels of Environmental Pollutants. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 3609.	1.2	4
3	Testing Strategies of the In Vitro Micronucleus Assay for the Genotoxicity Assessment of Nanomaterials in BEAS-2B Cells. <i>Nanomaterials</i> , 2021, 11, 1929.	1.9	6
4	Individual DNA Methylation Pattern Shifts in Nanoparticles-Exposed Workers Analyzed in Four Consecutive Years. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7834.	1.8	6
5	Markers of lipid oxidation and inflammation in bronchial cells exposed to complete gasoline emissions and their organic extracts. <i>Chemosphere</i> , 2021, 281, 130833.	4.2	7
6	The Impact of Air Pollution Exposure on the MicroRNA Machinery and Lung Cancer Development. <i>Journal of Personalized Medicine</i> , 2021, 11, 60.	1.1	17
7	Ordinary Gasoline Emissions Induce a Toxic Response in Bronchial Cells Grown at Air-Liquid Interface. <i>International Journal of Molecular Sciences</i> , 2021, 22, 79.	1.8	7
8	The Molecular Mechanisms of Adaptive Response Related to Environmental Stress. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7053.	1.8	41
9	The genotoxic effects in the leukocytes of workers handling nanocomposite materials. <i>Mutagenesis</i> , 2020, 35, 331-340.	1.0	7
10	Three-Year Study of Markers of Oxidative Stress in Exhaled Breath Condensate in Workers Producing Nanocomposites, Extended by Plasma and Urine Analysis in Last Two Years. <i>Nanomaterials</i> , 2020, 10, 2440.	1.9	18
11	The Impact of Cesarean and Vaginal Delivery on Results of Psychological Cognitive Test in 5 Year Old Children. <i>Medicina (Lithuania)</i> , 2020, 56, 554.	0.8	3
12	Gene Expression and Epigenetic Changes in Mice Following Inhalation of Copper(II) Oxide Nanoparticles. <i>Nanomaterials</i> , 2020, 10, 550.	1.9	24
13	The Differential Effect of Carbon Dots on Gene Expression and DNA Methylation of Human Embryonic Lung Fibroblasts as a Function of Surface Charge and Dose. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4763.	1.8	18
14	DNA Methylation Profiles in a Group of Workers Occupationally Exposed to Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2420.	1.8	27
15	Genotoxicant exposure, activation of the aryl hydrocarbon receptor, and lipid peroxidation in cultured human alveolar type II A549 cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2020, 853, 503173.	0.9	9
16	Telomere length in peripheral blood lymphocytes related to genetic variation in telomerase, prognosis and clinicopathological features in breast cancer patients. <i>Mutagenesis</i> , 2020, 35, 491-497.	1.0	11
17	Short-term and Long-term Exposure of the MucilAir <sup>®</sup> , <sup>®</sup> Model to Polycyclic Aromatic Hydrocarbons. <i>ATLA Alternatives To Laboratory Animals</i> , 2019, 47, 9-18.	0.7	19
18	The repeated cytogenetic analysis of subjects occupationally exposed to nanoparticles: a pilot study. <i>Mutagenesis</i> , 2019, 34, 253-263.	1.0	10

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19	The processes associated with lipid peroxidation in human embryonic lung fibroblasts, treated with polycyclic aromatic hydrocarbons and organic extract from particulate matter. <i>Mutagenesis</i> , 2019, 34, 153-164.	1.0	8
20	The Biological Effects of Complete Gasoline Engine Emissions Exposure in a 3D Human Airway Model (MucilAir™) and in Human Bronchial Epithelial Cells (BEAS-2B). <i>International Journal of Molecular Sciences</i> , 2019, 20, 5710.	1.8	13
21	Inhalation of ZnO Nanoparticles: Splice Junction Expression and Alternative Splicing in Mice. <i>Toxicological Sciences</i> , 2019, 168, 190-200.	1.4	24
22	Gene expression profiling in healthy newborns from diverse localities of the Czech Republic. <i>Environmental and Molecular Mutagenesis</i> , 2018, 59, 401-415.	0.9	8
23	Kinetics of ROS generation induced by polycyclic aromatic hydrocarbons and organic extracts from ambient air particulate matter in model human lung cell lines. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2018, 827, 50-58.	0.9	34
24	Micronucleus frequency and content in healthy relatives of cancer patients. <i>Biomarkers</i> , 2017, 22, 1-7.	0.9	4
25	Adaptation of the human population to the environment: Current knowledge, clues from Czech cytogenetic and "omics" biomonitoring studies and possible mechanisms. <i>Mutation Research - Reviews in Mutation Research</i> , 2017, 773, 188-203.	2.4	19
26	Evaluation of 11 polycyclic aromatic hydrocarbon metabolites in urine of Czech mothers and newborns. <i>Science of the Total Environment</i> , 2017, 577, 212-219.	3.9	52
27	DNA Damage Potential of Engine Emissions Measured <i>In Vitro</i> by Micronucleus Test in Human Bronchial Epithelial Cells. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2017, 121, 102-108.	1.2	26
28	Perinatal health in the Danube region " new birth cohort justified. <i>Reviews on Environmental Health</i> , 2017, 32, 9-14.	1.1	2
29	Impact of air pollution on oxidative DNA damage and lipid peroxidation in mothers and their newborns. <i>International Journal of Hygiene and Environmental Health</i> , 2016, 219, 545-556.	2.1	63
30	Mapping the factors affecting the frequency and types of micronuclei in an elderly population from Southern Bohemia. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2016, 793-794, 32-40.	0.4	14
31	Relationship between atmospheric pollution in the residential area and concentrations of polycyclic aromatic hydrocarbons (PAHs) in human breast milk. <i>Science of the Total Environment</i> , 2016, 562, 640-647.	3.9	50
32	Systematic review of the use of the lymphocyte cytokinesis-block micronucleus assay to measure DNA damage induced by exposure to polycyclic aromatic hydrocarbons. <i>Mutation Research - Reviews in Mutation Research</i> , 2016, 770, 162-169.	2.4	25
33	Urinary 8-oxo-7,8-dihydro-2-deoxyguanosine analysis by an improved ELISA: An inter-laboratory comparison study. <i>Free Radical Biology and Medicine</i> , 2016, 95, 169-179.	1.3	24
34	Newborns health in the Danube Region: Environment, biomonitoring, interventions and economic benefits in a large prospective birth cohort study. <i>Environment International</i> , 2016, 88, 112-122.	4.8	7
35	Impact of Air Pollution to Genome of Newborns. <i>Central European Journal of Public Health</i> , 2016, 24, S40-S44.	0.4	7
36	Oxidative stress in newborns by different modes of delivery. <i>Neuroendocrinology Letters</i> , 2016, 37, 445-451.	0.2	1

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37	Analysis of Genetic Damage in Lymphocytes of Former Uranium Processing Workers. <i>Cytogenetic and Genome Research</i> , 2015, 147, 17-23.	0.6	13
38	Day-to-day variability of toxic events induced by organic compounds bound to size segregated atmospheric aerosol. <i>Environmental Pollution</i> , 2015, 202, 135-145.	3.7	25
39	Reduced gene expression levels after chronic exposure to high concentrations of air pollutants. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2015, 780, 60-70.	0.4	27
40	Molecular Epidemiology Focused on Airborne Carcinogens. <i>Molecular and Integrative Toxicology</i> , 2015, , 185-212.	0.5	0
41	Nonhomologous DNA end joining and chromosome aberrations in human embryonic lung fibroblasts treated with environmental pollutants. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2014, 763-764, 28-38.	0.4	10
42	HUMN project initiative and review of validation, quality control and prospects for further development of automated micronucleus assays using image cytometry systems. <i>International Journal of Hygiene and Environmental Health</i> , 2013, 216, 541-552.	2.1	62
43	Factors affecting the 27K DNA methylation pattern in asthmatic and healthy children from locations with various environments. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2013, 741-742, 18-26.	0.4	73
44	Health impact of air pollution to children. <i>International Journal of Hygiene and Environmental Health</i> , 2013, 216, 533-540.	2.1	82
45	Analysis of biomarkers in a Czech population exposed to heavy air pollution. Part II: chromosomal aberrations and oxidative stress. <i>Mutagenesis</i> , 2013, 28, 97-106.	1.0	44
46	The European Hot Spot of B[a]P and PM <sub>2.5</sub> Exposure – The Ostrava Region, Czech Republic: Health Research Results. , 2013, 2013, 1-12.		23
47	Nucleotide Excision Repair Is Not Induced in Human Embryonic Lung Fibroblasts Treated with Environmental Pollutants. <i>PLoS ONE</i> , 2013, 8, e69197.	1.1	10
48	The MetaSystems Metafer System – Applications in Biomonitoring Studies and Measurement of Baseline Frequencies in Human Populations. <i>Qscience Proceedings</i> , 2012, 2012, 7.	0.0	0
49	Automated scoring of lymphocyte micronuclei by the MetaSystems Metafer image cytometry system and its application in studies of human mutagen sensitivity and biodosimetry of genotoxin exposure. <i>Mutagenesis</i> , 2011, 26, 169-175.	1.0	67
50	Oxidative stress and chromosomal aberrations in an environmentally exposed population. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2011, 707, 34-41.	0.4	33
51	Factors affecting the frequency of micronuclei in asthmatic and healthy children from Ostrava. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2011, 708, 44-49.	0.4	31
52	Expression of XRCC5 in peripheral blood lymphocytes is upregulated in subjects from a heavily polluted region in the Czech Republic. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2011, 713, 76-82.	0.4	26
53	Micronuclei levels in mothers and their newborns from regions with different types of air pollution. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2011, 715, 72-78.	0.4	22
54	Biomarkers of exposure and effect – interpretation in human risk assessment. <i>Air Quality, Atmosphere and Health</i> , 2011, 4, 161-167.	1.5	22

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55	Frequency of chromosomal aberrations in Prague mothers and their newborns. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2010, 699, 29-34.	0.9	7
56	The impact of air pollution on the levels of micronuclei measured by automated image analysis. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2009, 669, 42-47.	0.4	47
57	Environmental exposure to carcinogenic polycyclic aromatic hydrocarbonsâ€”The interpretation of cytogenetic analysis by FISH. Toxicology Letters, 2007, 172, 12-20.	0.4	43
58	Molecular Epidemiology and Air Pollution. , 0, , .		1