

Pavel Rossner Jr

List of Publications by Year in descending order

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129
papers

4,112
citations

109321

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all docs

130
docs citations

130
times ranked

5633
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Chromosomal aberration frequency in lymphocytes predicts the risk of cancer: results from a pooled cohort study of 22 358 subjects in 11 countries. <i>Carcinogenesis</i> , 2008, 29, 1178-1183. | 2.8 | 279 |
| 2 | Adverse reproductive outcomes from exposure to environmental mutagens. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1999, 428, 203-215. | 1.0 | 194 |
| 3 | Chromosomal Aberrations in Lymphocytes of Healthy Subjects and Risk of Cancer. <i>Environmental Health Perspectives</i> , 2005, 113, 517-520. | 6.0 | 160 |
| 4 | Human and Methodological Sources of Variability in the Measurement of Urinary 8-Oxo-7,8-dihydro-2'-deoxyguanosine. <i>Antioxidants and Redox Signaling</i> , 2013, 18, 2377-2391. | 5.4 | 130 |
| 5 | Toward consensus in the analysis of urinary 8-oxo-7,8-dihydro-2'-deoxyguanosine as a noninvasive biomarker of oxidative stress. <i>FASEB Journal</i> , 2010, 24, 1249-1260. | 0.5 | 126 |
| 6 | The effect of dibenzo[a,l]pyrene and benzo[a]pyrene on human diploid lung fibroblasts: the induction of DNA adducts, expression of p53 and p21/WAF1 proteins and cell cycle distribution. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2000, 471, 57-70. | 1.7 | 110 |
| 7 | Relationship between Urinary 15-F2t-Isoprostane and 8-Oxodeoxyguanosine Levels and Breast Cancer Risk. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2006, 15, 639-644. | 2.5 | 99 |
| 8 | Oxidative and nitrosative stress markers in bus drivers. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2007, 617, 23-32. | 1.0 | 89 |
| 9 | Health impact of air pollution to children. <i>International Journal of Hygiene and Environmental Health</i> , 2013, 216, 533-540. | 4.3 | 82 |
| 10 | Aflatoxin B1 and polycyclic aromatic hydrocarbon adducts, p53 mutations and p16 methylation in liver tissue and plasma of hepatocellular carcinoma patients. <i>International Journal of Cancer</i> , 2006, 119, 985-991. | 5.1 | 74 |
| 11 | 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. | 1.0 | 73 |
| 12 | Vehicular Traffic-Related Polycyclic Aromatic Hydrocarbon Exposure and Breast Cancer Incidence: The Long Island Breast Cancer Study Project (LIBCSP). <i>Environmental Health Perspectives</i> , 2016, 124, 30-38. | 6.0 | 73 |
| 13 | Vitamin C for DNA damage prevention. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2012, 733, 39-49. | 1.0 | 65 |
| 14 | Seasonal variability of oxidative stress markers in city bus drivers. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008, 642, 14-20. | 1.0 | 63 |
| 15 | Biomarkers of exposure to tobacco smoke and environmental pollutants in mothers and their transplacental transfer to the foetus. Part I: Bulky DNA adducts. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2009, 669, 13-19. | 1.0 | 63 |
| 16 | Oxidative damage to biological macromolecules in human bone marrow mesenchymal stromal cells labeled with various types of iron oxide nanoparticles. <i>Toxicology Letters</i> , 2012, 210, 53-63. | 0.8 | 63 |
| 17 | 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. | 4.3 | 63 |
| 18 | Associations between Polycyclic Aromatic Hydrocarbon-Related Exposures and p53 Mutations in Breast Tumors. <i>Environmental Health Perspectives</i> , 2010, 118, 511-518. | 6.0 | 59 |

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|----|--|-----|-----------|
| 19 | Oxidative damage induced by carcinogenic polycyclic aromatic hydrocarbons and organic extracts from urban air particulate matter. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2010, 696, 114-121. | 1.7 | 56 |
| 20 | Oxidative damage to biological macromolecules in Prague bus drivers and garagemen: Impact of air pollution and genetic polymorphisms. <i>Toxicology Letters</i> , 2010, 199, 60-68. | 0.8 | 56 |
| 21 | Urinary 8-oxodeoxyguanosine levels in children exposed to air pollutants. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2009, 662, 37-43. | 1.0 | 55 |
| 22 | Biomarkers of exposure to tobacco smoke and environmental pollutants in mothers and their transplacental transfer to the foetus. Part II. Oxidative damage. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2009, 669, 20-26. | 1.0 | 54 |
| 23 | Plasma protein carbonyl levels and breast cancer risk. <i>Journal of Cellular and Molecular Medicine</i> , 2007, 11, 1138-1148. | 3.6 | 53 |
| 24 | 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. | 8.0 | 52 |
| 25 | Biomarkers of nucleic acid oxidation – A summary state-of-the-art. <i>Redox Biology</i> , 2021, 42, 101872. | 9.0 | 51 |
| 26 | DNA adducts and oxidative DNA damage induced by organic extracts from PM2.5 in an acellular assay. <i>Toxicology Letters</i> , 2011, 202, 186-192. | 0.8 | 50 |
| 27 | 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. | 8.0 | 50 |
| 28 | Cytogenetic effects in children and mothers exposed to air pollution assessed by the frequency of micronuclei and fluorescence in situ hybridization (FISH): A family pilot study in the Czech Republic. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2006, 608, 112-120. | 1.7 | 48 |
| 29 | Seasonal variability of oxidative stress markers in city bus drivers. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008, 642, 21-27. | 1.0 | 48 |
| 30 | The hCOMET project: International database comparison of results with the comet assay in human biomonitoring. Baseline frequency of DNA damage and effect of main confounders. <i>Mutation Research - Reviews in Mutation Research</i> , 2021, 787, 108371. | 5.5 | 45 |
| 31 | 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. | 2.6 | 44 |
| 32 | Environmental exposure to carcinogenic polycyclic aromatic hydrocarbons – The interpretation of cytogenetic analysis by FISH. <i>Toxicology Letters</i> , 2007, 172, 12-20. | 0.8 | 43 |
| 33 | <i>OGG1</i> Polymorphisms and Breast Cancer Risk. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2006, 15, 811-815. | 2.5 | 42 |
| 34 | The Molecular Mechanisms of Adaptive Response Related to Environmental Stress. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7053. | 4.1 | 41 |
| 35 | Cytogenetic analysis and occupational health in the Czech Republic. <i>Mutation Research - Reviews in Mutation Research</i> , 2004, 566, 21-48. | 5.5 | 40 |
| 36 | Mutations in <i>p53</i> , <i>p53</i> protein overexpression and breast cancer survival. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 3847-3857. | 3.6 | 38 |

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|----|---|------|-----------|
| 37 | Genetic, Biochemical, and Environmental Factors Associated with Pregnancy Outcomes in Newborns from the Czech Republic. <i>Environmental Health Perspectives</i> , 2011, 119, 265-271. | 6.0 | 35 |
| 38 | Indoor air pollution exposure from use of indoor stoves and fireplaces in association with breast cancer: a case-control study. <i>Environmental Health</i> , 2014, 13, 108. | 4.0 | 35 |
| 39 | Urinary 8-oxo-7,8-dihydro-2- β -deoxyguanosine values determined by a modified ELISA improves agreement with HPLC-MS/MS. <i>Biochemical and Biophysical Research Communications</i> , 2013, 440, 725-730. | 2.1 | 34 |
| 40 | Analysis of gene expression changes in A549 cells induced by organic compounds from respirable air particles. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2014, 770, 94-105. | 1.0 | 34 |
| 41 | Toxic Effects of the Major Components of Diesel Exhaust in Human Alveolar Basal Epithelial Cells (A549). <i>International Journal of Molecular Sciences</i> , 2016, 17, 1393. | 4.1 | 34 |
| 42 | 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. | 1.7 | 34 |
| 43 | Oxidative stress and chromosomal aberrations in an environmentally exposed population. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2011, 707, 34-41. | 1.0 | 33 |
| 44 | Toxicity of TiO ₂ , ZnO, and SiO ₂ Nanoparticles in Human Lung Cells: Safe-by-Design Development of Construction Materials. <i>Nanomaterials</i> , 2019, 9, 968. | 4.1 | 33 |
| 45 | 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. | 1.0 | 31 |
| 46 | Molecular Responses in THP-1 Macrophage-Like Cells Exposed to Diverse Nanoparticles. <i>Nanomaterials</i> , 2019, 9, 687. | 4.1 | 31 |
| 47 | Comparative Analysis of Toxic Responses of Organic Extracts from Diesel and Selected Alternative Fuels Engine Emissions in Human Lung BEAS-2B Cells. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1833. | 4.1 | 30 |
| 48 | Air pollution and childhood bronchitis: Interaction with xenobiotic, immune regulatory and DNA repair genes. <i>Environment International</i> , 2016, 87, 94-100. | 10.0 | 30 |
| 49 | Polymorphisms in DNA repair genes, traffic-related polycyclic aromatic hydrocarbon exposure and breast cancer incidence. <i>International Journal of Cancer</i> , 2016, 139, 310-321. | 5.1 | 28 |
| 50 | Analysis of biomarkers in a Czech population exposed to heavy air pollution. Part I: bulky DNA adducts. <i>Mutagenesis</i> , 2013, 28, 89-95. | 2.6 | 27 |
| 51 | 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. | 1.0 | 27 |
| 52 | DNA Methylation Profiles in a Group of Workers Occupationally Exposed to Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2420. | 4.1 | 27 |
| 53 | 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. | 1.0 | 26 |
| 54 | 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. | 2.5 | 26 |

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|----|---|------|-----------|
| 55 | 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. | 7.5 | 25 |
| 56 | Immunochemical detection of oxidatively damaged DNA. <i>Free Radical Research</i> , 2012, 46, 492-522. | 3.3 | 24 |
| 57 | Polymorphisms in DNA repair genes, recreational physical activity and breast cancer risk. <i>International Journal of Cancer</i> , 2014, 134, 654-663. | 5.1 | 24 |
| 58 | Urinary 8-oxo-7,8-dihydro-2- ϵ -deoxyguanosine analysis by an improved ELISA: An inter-laboratory comparison study. <i>Free Radical Biology and Medicine</i> , 2016, 95, 169-179. | 2.9 | 24 |
| 59 | Altered vulnerability to asthma at various levels of ambient Benzo[a]Pyrene by CTLA4, STAT4 and CYP2E1 polymorphisms. <i>Environmental Pollution</i> , 2017, 231, 1134-1144. | 7.5 | 24 |
| 60 | Inhalation of ZnO Nanoparticles: Splice Junction Expression and Alternative Splicing in Mice. <i>Toxicological Sciences</i> , 2019, 168, 190-200. | 3.1 | 24 |
| 61 | Gene Expression and Epigenetic Changes in Mice Following Inhalation of Copper(II) Oxide Nanoparticles. <i>Nanomaterials</i> , 2020, 10, 550. | 4.1 | 24 |
| 62 | The European Hot Spot of B[a]P and PM _{2.5} Exposure—The Ostrava Region, Czech Republic: Health Research Results. , 2013, 2013, 1-12. | | 23 |
| 63 | In Vitro Transformation of Human Bronchial Epithelial Cells by Diesel Exhaust Particles: Gene Expression Profiling and Early Toxic Responses. <i>Toxicological Sciences</i> , 2018, 166, 51-64. | 3.1 | 23 |
| 64 | Heat shock proteins hsp32 and hsp70 as biomarkers of an early response?. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2003, 542, 105-116. | 1.7 | 22 |
| 65 | Biomarkers of exposure and effect—interpretation in human risk assessment. <i>Air Quality, Atmosphere and Health</i> , 2011, 4, 161-167. | 3.3 | 22 |
| 66 | Possible genetic damage in the Czech nuclear power plant workers. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2006, 593, 50-63. | 1.0 | 20 |
| 67 | 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. | 5.5 | 19 |
| 68 | Short-term and Long-term Exposure of the MucilAir ₂ Model to Polycyclic Aromatic Hydrocarbons. <i>ATLA Alternatives To Laboratory Animals</i> , 2019, 47, 9-18. | 1.0 | 19 |
| 69 | Personal exposure to carcinogenic polycyclic aromatic hydrocarbons in the Czech Republic. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2013, 23, 350-355. | 3.9 | 18 |
| 70 | Transcriptional response to organic compounds from diverse gasoline and biogasoline fuel emissions in human lung cells. <i>Toxicology in Vitro</i> , 2018, 48, 329-341. | 2.4 | 18 |
| 71 | Benzo[a]pyrene is associated with dysregulated myelo-lymphoid hematopoiesis in asthmatic children. <i>Environment International</i> , 2019, 128, 218-232. | 10.0 | 18 |
| 72 | 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. | 4.1 | 18 |

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|----|---|-----|-----------|
| 73 | The Impact of Air Pollution Exposure on the MicroRNA Machinery and Lung Cancer Development. <i>Journal of Personalized Medicine</i> , 2021, 11, 60. | 2.5 | 17 |
| 74 | Air pollution by carcinogenic PAHs and plasma levels of p53 and p21WAF1 proteins. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2007, 620, 34-40. | 1.0 | 16 |
| 75 | 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. | 4.1 | 16 |
| 76 | An acellular assay to assess the genotoxicity of complex mixtures of organic pollutants bound on size segregated aerosol. Part I: DNA adducts. <i>Toxicology Letters</i> , 2010, 198, 304-311. | 0.8 | 15 |
| 77 | An acellular assay to assess the genotoxicity of complex mixtures of organic pollutants bound on size segregated aerosol. Part II: Oxidative damage to DNA. <i>Toxicology Letters</i> , 2010, 198, 312-316. | 0.8 | 15 |
| 78 | The impact of silica encapsulated cobalt zinc ferrite nanoparticles on DNA, lipids and proteins of rat bone marrow mesenchymal stem cells. <i>Nanotoxicology</i> , 2016, 10, 662-670. | 3.0 | 15 |
| 79 | Bulky DNA adducts, microRNA profiles, and lipid biomarkers in Norwegian tunnel finishing workers occupationally exposed to diesel exhaust. <i>Occupational and Environmental Medicine</i> , 2019, 76, 10-16. | 2.8 | 15 |
| 80 | Biomonitoring of 89 POPs in blood serum samples of Czech city policemen. <i>Environmental Pollution</i> , 2021, 291, 118140. | 7.5 | 15 |
| 81 | Effect of ascorbic acid prophylaxis on the frequency of chromosome aberrations, urine mutagenicity and nucleolus test in workers occupationally exposed to cytostatic drugs. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1988, 208, 149-153. | 1.1 | 14 |
| 82 | 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. | 1.0 | 14 |
| 83 | The effects of grafted mesenchymal stem cells labeled with iron oxide or cobalt-zinc-iron nanoparticles on the biological macromolecules of rat brain tissue extracts. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 4519-4526. | 6.7 | 14 |
| 84 | Nano-TiO ₂ stability in medium and size as important factors of toxicity in macrophage-like cells. <i>Toxicology in Vitro</i> , 2019, 54, 178-188. | 2.4 | 14 |
| 85 | Acrylonitrile exposure: the effect on p53 and p21WAF1 protein levels in the blood plasma of occupationally exposed workers and in vitro in human diploid lung fibroblasts. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2002, 517, 239-250. | 1.7 | 13 |
| 86 | Chromosomal aberrations by fluorescence in situ hybridization (FISH) – Biomarker of exposure to carcinogenic PAHs. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2007, 620, 62-70. | 1.0 | 13 |
| 87 | 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. | 4.1 | 13 |
| 88 | Comparison of p53 levels in lymphocytes and in blood plasma of nuclear power plant workers. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2004, 556, 55-63. | 1.0 | 12 |
| 89 | A murine model of the effects of inhaled CuO nanoparticles on cells of innate and adaptive immunity – a kinetic study of a continuous three-month exposure. <i>Nanotoxicology</i> , 2019, 13, 952-963. | 3.0 | 12 |
| 90 | The influence of occupational exposure to PAHs on the blood plasma levels of p53 and p21WAF1 proteins. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2003, 535, 87-94. | 1.7 | 10 |

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|-----|---|------|-----------|
| 91 | Nucleotide Excision Repair Is Not Induced in Human Embryonic Lung Fibroblasts Treated with Environmental Pollutants. PLoS ONE, 2013, 8, e69197. | 2.5 | 10 |
| 92 | Nucleic Acid Oxidation in Human Health and Disease. Oxidative Medicine and Cellular Longevity, 2013, 2013, 1-2. | 4.0 | 10 |
| 93 | Nonhomologous DNA end joining and chromosome aberrations in human embryonic lung fibroblasts treated with environmental pollutants. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2014, 763-764, 28-38. | 1.0 | 10 |
| 94 | The repeated cytogenetic analysis of subjects occupationally exposed to nanoparticles: a pilot study. Mutagenesis, 2019, 34, 253-263. | 2.6 | 10 |
| 95 | The genotoxicity of organic extracts from particulate truck emissions produced at various engine operating modes using diesel or biodiesel (B100) fuel: A pilot study. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2019, 845, 403034. | 1.7 | 9 |
| 96 | Genotoxicant exposure, activation of the aryl hydrocarbon receptor, and lipid peroxidation in cultured human alveolar type II A549 cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2020, 853, 503173. | 1.7 | 9 |
| 97 | Genetic polymorphisms in DNA repair and oxidative stress pathways may modify the association between body size and postmenopausal breast cancer. Annals of Epidemiology, 2015, 25, 263-269. | 1.9 | 8 |
| 98 | Gene expression profiling in healthy newborns from diverse localities of the Czech Republic. Environmental and Molecular Mutagenesis, 2018, 59, 401-415. | 2.2 | 8 |
| 99 | Greater susceptibility of girls to airborne Benzo[a]pyrene for obesity-associated childhood asthma. Environment International, 2018, 121, 308-316. | 10.0 | 8 |
| 100 | The processes associated with lipid peroxidation in human embryonic lung fibroblasts, treated with polycyclic aromatic hydrocarbons and organic extract from particulate matter. Mutagenesis, 2019, 34, 153-164. | 2.6 | 8 |
| 101 | Frequency of chromosomal aberrations in Prague mothers and their newborns. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2010, 699, 29-34. | 1.7 | 7 |
| 102 | Newborns health in the Danube Region: Environment, biomonitoring, interventions and economic benefits in a large prospective birth cohort study. Environment International, 2016, 88, 112-122. | 10.0 | 7 |
| 103 | The genotoxic effects in the leukocytes of workers handling nanocomposite materials. Mutagenesis, 2020, 35, 331-340. | 2.6 | 7 |
| 104 | Airborne Benzo[a]Pyrene may contribute to divergent Pheno-Endotypes in children. Environmental Health, 2021, 20, 40. | 4.0 | 7 |
| 105 | Markers of lipid oxidation and inflammation in bronchial cells exposed to complete gasoline emissions and their organic extracts. Chemosphere, 2021, 281, 130833. | 8.2 | 7 |
| 106 | Impact of Air Pollution to Genome of Newborns. Central European Journal of Public Health, 2016, 24, S40-S44. | 1.1 | 7 |
| 107 | Ordinary Gasoline Emissions Induce a Toxic Response in Bronchial Cells Grown at Air-Liquid Interface. International Journal of Molecular Sciences, 2021, 22, 79. | 4.1 | 7 |
| 108 | The negative effect of magnetic nanoparticles with ascorbic acid on peritoneal macrophages. Neurochemical Research, 2020, 45, 159-170. | 3.3 | 6 |

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|-----|---|-----|-----------|
| 109 | Testing Strategies of the In Vitro Micronucleus Assay for the Genotoxicity Assessment of Nanomaterials in BEAS-2B Cells. <i>Nanomaterials</i> , 2021, 11, 1929. | 4.1 | 6 |
| 110 | Individual DNA Methylation Pattern Shifts in Nanoparticles-Exposed Workers Analyzed in Four Consecutive Years. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7834. | 4.1 | 6 |
| 111 | Heat shock proteins hsp32 and hsp70 as biomarkers of an early response? In vitro induction of heat shock proteins after exposure of cell culture to carcinogenic compounds and their real mixtures. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2003, 542, 105-16. | 1.0 | 6 |
| 112 | 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. | 2.6 | 4 |
| 113 | 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. | 2.0 | 3 |
| 114 | Transcription profiles in BEAS-2B cells exposed to organic extracts from particulate emissions produced by a port-fuel injection vehicle, fueled with conventional fossil gasoline and gasoline-ethanol blend. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2021, 872, 503414. | 1.7 | 3 |
| 115 | European Hot Spot of Air Pollution by PM2.5 and Bap: Ostrava, Czech Republic. <i>Epidemiology</i> , 2011, 22, S232. | 2.7 | 2 |
| 116 | Perinatal health in the Danube region – new birth cohort justified. <i>Reviews on Environmental Health</i> , 2017, 32, 9-14. | 2.4 | 2 |
| 117 | In vitro exposure to complete engine emissions – a mini-review. <i>Toxicology</i> , 2021, 462, 152953. | 4.2 | 2 |
| 118 | The impact of extractable organic matter from gasoline and alternative fuel emissions on bronchial cell models (BEAS-2B, MucilAir®, Ć). <i>Toxicology in Vitro</i> , 2022, 80, 105316. | 2.4 | 2 |
| 119 | Molecular Epidemiology and Air Pollution. , 0, , . | | 1 |
| 120 | Assessing Exhaust Toxicity with Biological Detector: Configuration of Portable Air-Liquid Interface Human Lung Cell Model Exposure System, Sampling Train and Test Conditions. <i>SAE International Journal of Advances and Current Practices in Mobility</i> , 0, 2, 520-534. | 2.0 | 1 |
| 121 | Oxidative stress in newborns by different modes of delivery. <i>Neuroendocrinology Letters</i> , 2016, 37, 445-451. | 0.2 | 1 |
| 122 | Tumour vaccines expressing IL-2, CD80, and IL-2 plus CD80 gene. <i>International Journal of Oncology</i> , 1997, 11, 1213-9. | 3.3 | 0 |
| 123 | Immunogenicity, immunosensitivity and cell surface adhesiveness of tumour vaccines carrying an inserted CD80 gene.. <i>International Journal of Oncology</i> , 1998, 12, 387-90. | 3.3 | 0 |
| 124 | Environmental Pollution and Health Consequences. <i>Oxidative Stress in Applied Basic Research and Clinical Practice</i> , 2014, , 283-299. | 0.4 | 0 |
| 125 | The Effect of Acrylonitrile on the Frequency of Chromosomal Aberrations. , 2006, , 81-88. | | 0 |
| 126 | Tumour inhibitory effects of plasmid DNA. <i>Oncology Reports</i> , 1997, 4, 1161-3. | 2.6 | 0 |

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|-----|--|-----|-----------|
| 127 | CD80 and IL-2 signals cooperate in the regression of tumors transplanted in congenitally athymic mice.. Oncology Reports, 1999, 6, 669-73. | 2.6 | 0 |
| 128 | Molecular Epidemiology Focused on Airborne Carcinogens. Molecular and Integrative Toxicology, 2015, , 185-212. | 0.5 | 0 |
| 129 | Interleukinâ€² gene therapy of surgical minimal residual tumour disease. International Journal of Cancer, 1998, 76, 115-119. | 5.1 | 0 |