

Jan Topinka

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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.

130
papers

3,139
citations

34
h-index

48
g-index

134
ext. papers

3,422
ext. citations

4.3
avg, IF

4.58
L-index

#	Paper	IF	Citations
130	Adverse reproductive outcomes from exposure to environmental mutagens. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1999 , 428, 203-15	3.3	160
129	High throughput toxicity screening and intracellular detection of nanomaterials. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2017 , 9, e1413	9.2	84
128	Coke oven workers study: the effect of exposure and GSTM1 and NAT2 genotypes on DNA adduct levels in white blood cells and lymphocytes as determined by 32P-postlabelling. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1998 , 416, 67-84	3	83
127	Cyproterone acetate generates DNA adducts in rat liver and in primary rat hepatocyte cultures. <i>Carcinogenesis</i> , 1993 , 14, 423-7	4.6	72
126	Activation of the aryl hydrocarbon receptor is the major toxic mode of action of an organic extract of a reference urban dust particulate matter mixture: the role of polycyclic aromatic hydrocarbons. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2011 , 714, 53-62	3.3	69
125	Global gene expression changes in human embryonic lung fibroblasts induced by organic extracts from respirable air particles. <i>Particle and Fibre Toxicology</i> , 2012 , 9, 1	8.4	64
124	Health impact of air pollution to children. <i>International Journal of Hygiene and Environmental Health</i> , 2013 , 216, 533-40	6.9	64
123	Biomarkers of genotoxicity of urban air pollution. Overview and descriptive data from a molecular epidemiology study on populations exposed to moderate-to-low levels of polycyclic aromatic hydrocarbons: the AULIS project. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2001 , 496, 207-28	3	64
122	Genotoxicity of urban air pollutants in the Czech Republic. Part I. Bacterial mutagenic potencies of organic compounds adsorbed on PM10 particulates. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2000 , 469, 71-82	3	62
121	Genotoxicity of urban air pollutants in the Czech Republic. Part II. DNA adduct formation in mammalian cells by extractable organic matter. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2000 , 469, 83-93	3	61
120	In vitro genotoxicity of PAH mixtures and organic extract from urban air particles part II: human cell lines. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2007 , 620, 123-34	3.3	60
119	Biomarkers of genotoxicity of air pollution (the AULIS project): bulky DNA adducts in subjects with moderate to low exposures to airborne polycyclic aromatic hydrocarbons and their relationship to environmental tobacco smoke and other parameters. <i>Carcinogenesis</i> , 2001 , 22, 1447-57	4.6	59
118	Transcriptome alterations in maternal and fetal cells induced by tobacco smoke. <i>Placenta</i> , 2011 , 32, 763-70	3.4	58
117	DNA adducts in human placenta as related to air pollution and to GSTM1 genotype. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1997 , 390, 59-68	3	57
116	Impact of air pollution and genotype variability on DNA damage in Prague policemen. <i>Toxicology Letters</i> , 2007 , 172, 37-47	4.4	56
115	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, 13-9	3.3	55
114	Effect of maternal tobacco smoke exposure on the placental transcriptome. <i>Placenta</i> , 2010 , 31, 186-91	3.4	53

113	Urinary 8-oxodeoxyguanosine levels in children exposed to air pollutants. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2009 , 662, 37-43	3-3	52
112	DNA adduct formation in mammalian cell cultures by polycyclic aromatic hydrocarbons (PAH) and nitro-PAH in coke oven emission extract. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1998 , 419, 91-105	3	52
111	Impact of phase I or phase II enzyme polymorphisms on lymphocyte DNA adducts in subjects exposed to urban air pollution and environmental tobacco smoke. <i>Toxicology Letters</i> , 2004 , 149, 269-80	4-4	51
110	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, 20-6	3-3	47
109	DNA adducts formation and induction of apoptosis in rat liver epithelial stem-like cells exposed to carcinogenic polycyclic aromatic hydrocarbons. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008 , 638, 122-32	3-3	47
108	Benzo[a]pyrene and tumor necrosis factor- α coordinately increase genotoxic damage and the production of proinflammatory mediators in alveolar epithelial type II cells. <i>Toxicology Letters</i> , 2011 , 206, 121-9	4-4	43
107	Tumor necrosis factor-alpha potentiates genotoxic effects of benzo[a]pyrene in rat liver epithelial cells through upregulation of cytochrome P450 1B1 expression. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008 , 640, 162-9	3-3	42
106	The influence of alpha-tocopherol and pyritinol on oxidative DNA damage and lipid peroxidation in human lymphocytes. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1989 , 225, 131-6		42
105	DNA adducts and oxidative DNA damage induced by organic extracts from PM2.5 in an acellular assay. <i>Toxicology Letters</i> , 2011 , 202, 186-92	4-4	39
104	Polycyclic aromatic hydrocarbons (PAH) and their genotoxicity in exhaust emissions from a diesel engine during extended low-load operation on diesel and biodiesel fuels. <i>Atmospheric Environment</i> , 2015 , 109, 9-18	5-3	38
103	Blends of butanol and hydrotreated vegetable oils as drop-in replacement for diesel engines: Effects on combustion and emissions. <i>Fuel</i> , 2017 , 197, 407-421	7-1	37
102	Genotoxic potential of organic extracts from particle emissions of diesel and rapeseed oil powered engines. <i>Toxicology Letters</i> , 2012 , 212, 11-7	4-4	37
101	Source apportionment of aerosol particles at a European air pollution hot spot using particle number size distributions and chemical composition. <i>Environmental Pollution</i> , 2018 , 234, 145-154	9-3	36
100	Gene expression changes in human prostate carcinoma cells exposed to genotoxic and nongenotoxic aryl hydrocarbon receptor ligands. <i>Toxicology Letters</i> , 2011 , 206, 178-88	4-4	35
99	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	2-8	34
98	Mutagenesis by asbestos in the lung of lambda-lacI transgenic rats. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2004 , 553, 67-78	3-3	34
97	Interactions between CYP1A1 polymorphisms and exposure to environmental tobacco smoke in the modulation of lymphocyte bulky DNA adducts and chromosomal aberrations. <i>Carcinogenesis</i> , 2005 , 26, 93-101	4-6	34
96	Toxicity of surface-modified copper oxide nanoparticles in a mouse macrophage cell line: Interplay of particles, surface coating and particle dissolution. <i>Chemosphere</i> , 2018 , 196, 482-493	8-4	32

95	Genotoxicity but not the AhR-mediated activity of PAHs is inhibited by other components of complex mixtures of ambient air pollutants. <i>Toxicology Letters</i> , 2014 , 225, 350-7	4.4	32
94	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, 94-103	3.3	30
93	Effects of methylated chrysenes on AhR-dependent and -independent toxic events in rat liver epithelial cells. <i>Toxicology</i> , 2008 , 247, 93-101	4.4	30
92	Toxic effects of methylated benz[a]anthracenes in liver cells. <i>Chemical Research in Toxicology</i> , 2008 , 21, 503-12	4	29
91	Biomarkers of air pollution exposure--a study of policemen in Prague. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2007 , 624, 9-17	3.3	28
90	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	3	26
89	Mutagenicity studies on paracetamol in human volunteers. II. Unscheduled DNA synthesis and micronucleus test. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1989 , 227, 147-52		26
88	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,	6.3	26
87	Deregulation of gene expression induced by environmental tobacco smoke exposure in pregnancy. <i>Nicotine and Tobacco Research</i> , 2012 , 14, 1073-82	4.9	25
86	Association of DNA adducts and genotypes with birth weight. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2006 , 608, 121-8	3	24
85	DNA-damaging activity of the cyproterone acetate analogues chlormadinone acetate and megestrol acetate in rat liver. <i>Carcinogenesis</i> , 1995 , 16, 1483-7	4.6	24
84	The aryl hydrocarbon receptor-mediated and genotoxic effects of fractionated extract of standard reference diesel exhaust particle material in pulmonary, liver and prostate cells. <i>Toxicology in Vitro</i> , 2015 , 29, 438-48	3.6	23
83	Polycyclic aromatic hydrocarbons (PAHs) in exhaust emissions from diesel engines powered by rapeseed oil methylester and heated non-esterified rapeseed oil. <i>Atmospheric Environment</i> , 2012 , 60, 253-261	5.3	23
82	The relevance of monitoring of antibodies against the polycyclic aromatic hydrocarbon (PAH) and PAH-DNA adducts in serum in relation to lung cancer and chronic obstructive pulmonary disease (COPD). <i>Neoplasma</i> , 2013 , 60, 182-7	3.3	23
81	Analysis of biomarkers in a Czech population exposed to heavy air pollution. Part I: bulky DNA adducts. <i>Mutagenesis</i> , 2013 , 28, 89-95	2.8	23
80	The European Hot Spot of B[a]P and PM2.5 Exposure—the Ostrava Region, Czech Republic: Health Research Results 2013 , 2013, 1-12		22
79	Temporal variation in the genotoxic potential of urban air particulate matter. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2008 , 649, 179-86	3	22
78	In vitro genotoxicity of PAH mixtures and organic extract from urban air particles part I: acellular assay. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2007 , 620, 114-22	3.3	22

77	Day-to-day variability of toxic events induced by organic compounds bound to size segregated atmospheric aerosol. <i>Environmental Pollution</i> , 2015 , 202, 135-45	9.3	21
76	Genotoxic polycyclic aromatic hydrocarbons fail to induce the p53-dependent DNA damage response, apoptosis or cell-cycle arrest in human prostate carcinoma LNCaP cells. <i>Toxicology Letters</i> , 2010 , 197, 227-35	4.4	21
75	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,	6.3	21
74	Butyrate alters expression of cytochrome P450 1A1 and metabolism of benzo[a]pyrene via its histone deacetylase activity in colon epithelial cell models. <i>Archives of Toxicology</i> , 2017 , 91, 2135-2150	5.8	20
73	Biomarkers of exposure and effect-interpretation in human risk assessment. <i>Air Quality, Atmosphere and Health</i> , 2011 , 4, 161-167	5.6	20
72	Dibenzanthracenes and benzo[a]pyrene elicit both genotoxic and nongenotoxic events in rat liver T6EM-like cells. <i>Toxicology</i> , 2007 , 232, 147-59	4.4	20
71	Personal exposures to PM(2.5) and polycyclic aromatic hydrocarbons and their relationship to environmental tobacco smoke at two locations in Greece. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2001 , 11, 169-83	6.7	20
70	Inflammatory mediators accelerate metabolism of benzo[a]pyrene in rat alveolar type II cells: the role of enhanced cytochrome P450 1B1 expression. <i>Toxicology</i> , 2013 , 314, 30-8	4.4	19
69	Comparison of the health of Roma and non-Roma children living in the district of Teplice. <i>International Journal of Public Health</i> , 2010 , 55, 435-41	4	19
68	Mutagenesis by man-made mineral fibres in the lung of rats. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2006 , 595, 174-83	3.3	19
67	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	4.4	18
66	DNA Damage Potential of Engine Emissions Measured In Vitro by Micronucleus Test in Human Bronchial Epithelial Cells. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2017 , 121 Suppl 3, 102-108	3.1	18
65	Ultrafine particles are not major carriers of carcinogenic PAHs and their genotoxicity in size-segregated aerosols. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2013 , 754, 1-6	3	18
64	Accumulation and persistence of DNA adducts of the synthetic steroid cyproterone acetate in rat liver. <i>Carcinogenesis</i> , 1995 , 16, 2369-72	4.6	18
63	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	3.3	17
62	Adaptive changes in global gene expression profile of lung carcinoma A549 cells acutely exposed to distinct types of AhR ligands. <i>Toxicology Letters</i> , 2018 , 292, 162-174	4.4	16
61	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	3.6	16
60	Benzo[a]pyrene-enhanced mutagenesis by asbestos in the lung of lambda-IaCl transgenic rats. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2004 , 553, 79-90	3.3	16

59	Personal exposure to carcinogenic polycyclic aromatic hydrocarbons in the Czech Republic. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2013 , 23, 350-5	6.7	15
58	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, 312-6	4.4	15
57	Environmental tobacco smoke exposure in children in two districts of the Czech Republic. <i>International Journal of Hygiene and Environmental Health</i> , 2008 , 211, 318-25	6.9	15
56	Sensitivity of different endpoints for in vitro measurement of genotoxicity of extractable organic matter associated with ambient airborne particles (PM10). <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2007 , 620, 103-13	3.3	15
55	Influence of immunization with non-genotoxic PAH-KLH conjugates on the resistance of organisms exposed to benzo(a)pyrene. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2012 , 742, 2-10	3	14
54	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, 304-11	4.4	14
53	DNA Methylation Profiles in a Group of Workers Occupationally Exposed to Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	13
52	Air pollutants, genes and early childhood acute bronchitis. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2013 , 749, 80-6	3.3	13
51	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	7	13
50	DNA-repair capacity and lipid peroxidation in chronic alcoholics. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1991 , 263, 133-6		13
49	Inhibition of Eatenin signalling promotes DNA damage elicited by benzo[a]pyrene in a model of human colon cancer cells via CYP1 deregulation. <i>Mutagenesis</i> , 2015 , 30, 565-76	2.8	12
48	Short-term and Long-term Exposure of the MucilAir Model to Polycyclic Aromatic Hydrocarbons. <i>ATLA Alternatives To Laboratory Animals</i> , 2019 , 47, 9-18	2.1	12
47	Toxic effects of methylated benzo[a]pyrenes in rat liver stem-like cells. <i>Chemical Research in Toxicology</i> , 2011 , 24, 866-76	4	12
46	Differences in DNA damage and repair produced by systemic, hepatocarcinogenic and sarcomagenic dibenzocarbazole derivatives in a model of rat liver progenitor cells. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2009 , 665, 51-60	3.3	12
45	Genetic variability of HVRII mtDNA in cord blood and respiratory morbidity in children. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2009 , 666, 1-7	3.3	11
44	Differential gene expression in umbilical cord blood and maternal peripheral blood. <i>European Journal of Haematology</i> , 2009 , 83, 183-90	3.8	11
43	Bioassay-directed chemical analysis and detection of mutagenicity in ambient air of the coke oven. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1999 , 445, 285-93	3	11
42	Cyproterone acetate is an integral part of hepatic DNA adducts induced by this steroidal drug. <i>Carcinogenesis</i> , 1996 , 17, 167-9	4.6	11

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	3.3	10
40	Nucleotide excision repair is not induced in human embryonic lung fibroblasts treated with environmental pollutants. <i>PLoS ONE</i> , 2013 , 8, e69197	3.7	10
39	Determination of cis-thymine glycol in DNA by gas chromatography-mass spectrometry with selected ion recording and multiple reaction monitoring. <i>Biomedical Applications</i> , 1997 , 702, 49-60		10
38	Nano-TiO stability in medium and size as important factors of toxicity in macrophage-like cells. <i>Toxicology in Vitro</i> , 2019 , 54, 178-188	3.6	10
37	Personal exposure to volatile organic compounds in the Czech Republic. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2012 , 22, 455-60	6.7	9
36	The DNA repair gene XPD/ERCC2 polymorphisms Arg156Arg (exon 6) and Lys751Gln (exon 23) are closely associated. <i>Toxicology Letters</i> , 2007 , 172, 85-9	4.4	9
35	Inhibition of DNA repair synthesis in the rat by in vivo exposure to psychotropic drugs and reversal of the effect by co-administration with alpha-tocopherol. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1990 , 244, 331-5		9
34	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,	6.3	9
33	n-3 Polyunsaturated fatty acids alter benzo[a]pyrene metabolism and genotoxicity in human colon epithelial cell models. <i>Food and Chemical Toxicology</i> , 2019 , 124, 374-384	4.7	8
32	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	2.1	7
31	The effect of paracetamol on oxidative damage in human peripheral lymphocytes. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1990 , 244, 227-31		7
30	The repeated cytogenetic analysis of subjects occupationally exposed to nanoparticles: a pilot study. <i>Mutagenesis</i> , 2019 , 34, 253-263	2.8	6
29	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	2.8	6
28	The role of human cytochrome P4503A4 in biotransformation of tissue-specific derivatives of 7H-dibenzo[c,g]carbazole. <i>Toxicology and Applied Pharmacology</i> , 2011 , 255, 307-15	4.6	6
27	No-effect level in the mutagenic activity of the drug cyproterone acetate in rat liver. Part I. Single dose treatment. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2004 , 550, 89-99	3.3	6
26	The genotoxicity of organic extracts from particulate truck emissions produced at various engine operating modes using diesel or biodiesel (B100) fuel: A pilot study. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2019 , 845, 403034	3	5
25	Genotoxicity of 7H-dibenzo[c,g]carbazole and its tissue-specific derivatives in human hepatoma HepG2 cells is related to CYP1A1/1A2 expression. <i>Environmental and Molecular Mutagenesis</i> , 2011 , 52, 636-45	3.2	5
24	No-effect level in the mutagenic activity of the drug cyproterone acetate in rat liver. Part II. Multiple dose treatment. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2004 , 550, 101-8	3.3	5

23	Effect of the ionizing radiation on the kinetics of the reduction by hydrogen of NiO-Fe ₂ O ₃ mixed oxides of various genesis. <i>Collection of Czechoslovak Chemical Communications</i> , 1986 , 51, 1561-1570		5
22	Ordinary Gasoline Emissions Induce a Toxic Response in Bronchial Cells Grown at Air-Liquid Interface. <i>International Journal of Molecular Sciences</i> , 2020 , 22,	6.3	5
21	Environmental six-ring polycyclic aromatic hydrocarbons are potent inducers of the AhR-dependent signaling in human cells. <i>Environmental Pollution</i> , 2020 , 266, 115125	9.3	5
20	Improving Quality in Nanoparticle-Induced Cytotoxicity Testing by a Tiered Inter-Laboratory Comparison Study. <i>Nanomaterials</i> , 2020 , 10,	5.4	5
19	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	3	4
18	Gene expression profiling in healthy newborns from diverse localities of the Czech Republic. <i>Environmental and Molecular Mutagenesis</i> , 2018 , 59, 401-415	3.2	4
17	Benzo[a]pyrene-enhanced mutagenesis by man-made mineral fibres in the lung of lamda-lacI transgenic rats. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2006 , 595, 167-73	3.3	4
16	Genotoxicity of 7H-dibenzo[c,g]carbazole and its methyl derivatives in human keratinocytes. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2012 , 743, 91-8	3	3
15	Neuroendocrine response to clomipramine and desipramine--the evidence of partial determination by heredity and sex. <i>Neuropsychobiology</i> , 1989 , 21, 111-6	4	3
14	The genotoxic effects in the leukocytes of workers handling nanocomposite materials. <i>Mutagenesis</i> , 2020 , 35, 331-340	2.8	3
13	Individual DNA Methylation Pattern Shifts in Nanoparticles-Exposed Workers Analyzed in Four Consecutive Years. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
12	Markers of lipid oxidation and inflammation in bronchial cells exposed to complete gasoline emissions and their organic extracts. <i>Chemosphere</i> , 2021 , 281, 130833	8.4	3
11	Reduction of NiO-Mn ₂ O ₃ mixed oxides with hydrogen and its affecting by ionizing radiation. <i>Collection of Czechoslovak Chemical Communications</i> , 1980 , 45, 1754-1765		2
10	Reduction of mixed NiO-U ₃ O ₈ oxides by hydrogen and the effect of gamma radiation on the process. <i>Collection of Czechoslovak Chemical Communications</i> , 1981 , 46, 3198-3208		2
9	The effect of origin and physico-chemical properties on the kinetics of reduction of mixed NiO-Fe ₂ O ₃ oxides with hydrogen. <i>Collection of Czechoslovak Chemical Communications</i> , 1986 , 51, 2098-2108		2
8	Monitoring Genotoxic Exposure in Uranium Miners. <i>Environmental Health Perspectives</i> , 1993 , 99, 303	8.4	1
7	Assessing Exhaust Toxicity with Biological Detector: Configuration of Portable Air-Liquid Interface Human Lung Cell Model Exposure System, Sampling Train and Test Conditions		1
6	Relation between personal exposure and outdoor concentrations of carcinogenic polycyclic aromatic hydrocarbons during smog episode. <i>Central European Journal of Public Health</i> , 2019 , 27, 305-311 ^{1,2}		1

5	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	3	1
4	TUBE Project: Transport-Derived Ultrafines and the Brain Effects.. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 19,	4.6	1
3	A prolonged exposure of human lung carcinoma epithelial cells to benzo[a]pyrene induces p21-dependent epithelial-to-mesenchymal transition (EMT)-like phenotype. <i>Chemosphere</i> , 2021 , 263, 128126	8.4	0
2	Biomarkers of Air Pollution Exposure: Follow-Up Study in Policemen in Prague 2006 , 89-96		
1	New Knowledge about the Impact of Environmental Exposure to PAHs 2006 , 231-242		